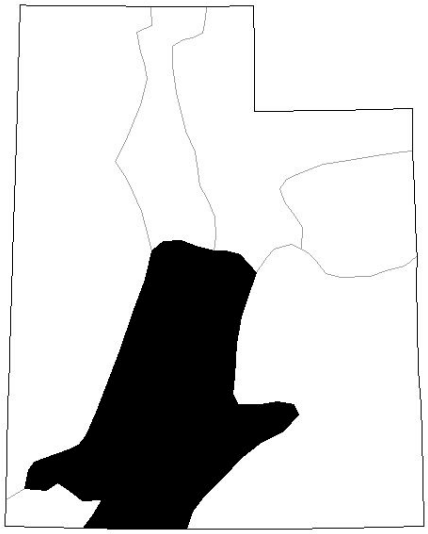
CLIMATOGRAPHY OF THE UNITED STATES NO. 84

# Daily Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971 - 2000



Division 04 South Central

## 42
## UTAH

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ALTON UTAH Station Number: 420086

Latitude: 37° 26* 26 ( Longitude: -112° 28* 57 ( Elevation (feet): 7040

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 2 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 3 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 4 | 44 | 19 | 31 | 34 | 0 | 0.04 |
| 5 | 44 | 18 | 31 | 34 | 0 | 0.04 |
| 6 | 44 | 18 | 31 | 34 | 0 | 0.04 |
| 7 | 44 | 18 | 31 | 34 | 0 | 0.04 |
| 8 | 44 | 18 | 31 | 34 | 0 | 0.04 |
| 9 | 44 | 17 | 30 | 35 | 0 | 0.04 |
| 10 | 44 | 17 | 30 | 35 | 0 | 0.04 |
| 11 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 12 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 13 | 42 | 17 | 30 | 35 | 0 | 0.03 |
| 14 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 15 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 16 | 42 | 16 | 29 | 36 | 0 | 0.04 |
| 17 | 42 | 16 | 29 | 36 | 0 | 0.04 |
| 18 | 42 | 16 | 29 | 36 | 0 | 0.04 |
| 19 | 41 | 16 | 29 | 36 | 0 | 0.04 |
| 20 | 41 | 16 | 29 | 36 | 0 | 0.04 |
| 21 | 41 | 16 | 29 | 36 | 0 | 0.04 |
| 22 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 23 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 24 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 25 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 26 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 27 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 28 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 29 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 30 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 31 | 40 | 15 | 28 | 37 | 0 | 0.04 |
| MTH | 42.1 | 16.8 | 29.5 | 1102 | 0 | 1.19 |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 2 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 3 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 4 | 40 | 15 | 28 | 37 | 0 | 0.05 |
| 5 | 40 | 15 | 28 | 37 | 0 | 0.05 |
| 6 | 40 | 15 | 28 | 37 | 0 | 0.05 |
| 7 | 40 | 15 | 27 | 38 | 0 | 0.05 |
| 8 | 40 | 15 | 27 | 38 | 0 | 0.05 |
| 9 | 40 | 15 | 27 | 38 | 0 | 0.05 |
| 10 | 40 | 15 | 27 | 38 | 0 | 0.05 |
| 11 | 40 | 15 | 27 | 38 | 0 | 0.05 |
| 12 | 39 | 16 | 28 | 37 | 0 | 0.05 |
| 13 | 39 | 16 | 28 | 37 | 0 | 0.06 |
| 14 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 15 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 16 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 17 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 18 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 19 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 20 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 21 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 22 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 23 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 24 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 25 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 26 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 27 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 28 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 29 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 30 | 40 | 16 | 28 | 37 | 0 | 0.07 |
| 31 | 41 | 16 | 29 | 36 | 0 | 0.07 |
| MTH | 40.0 | 15.7 | 27.9 | 1151 | 0 | 1.76 |
| WINTER SEASON: | 41.6 | 16.9 | 29.3 | 3219 | 0 | 4.85 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 2 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 3 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 4 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 5 | 41 | 17 | 29 | 36 | 0 | 0.07 |
| 6 | 41 | 18 | 29 | 36 | 0 | 0.07 |
| 7 | 41 | 18 | 29 | 36 | 0 | 0.07 |
| 8 | 42 | 18 | 30 | 35 | 0 | 0.07 |
| 9 | 42 | 18 | 30 | 35 | 0 | 0.07 |
| 10 | 42 | 18 | 30 | 35 | 0 | 0.07 |
| 11 | 43 | 18 | 30 | 35 | 0 | 0.07 |
| 12 | 43 | 18 | 30 | 35 | 0 | 0.07 |
| 13 | 43 | 18 | 30 | 35 | 0 | 0.07 |
| 14 | 43 | 18 | 30 | 35 | 0 | 0.07 |
| 15 | 43 | 18 | 31 | 34 | 0 | 0.07 |
| 16 | 43 | 18 | 31 | 34 | 0 | 0.07 |
| 17 | 43 | 18 | 31 | 34 | 0 | 0.07 |
| 18 | 43 | 18 | 31 | 34 | 0 | 0.07 |
| 19 | 44 | 18 | 31 | 34 | 0 | 0.07 |
| 20 | 44 | 18 | 31 | 34 | 0 | 0.07 |
| 21 | 44 | 18 | 31 | 34 | 0 | 0.07 |
| 22 | 44 | 19 | 32 | 33 | 0 | 0.07 |
| 23 | 44 | 19 | 32 | 33 | 0 | 0.07 |
| 24 | 44 | 19 | 32 | 33 | 0 | 0.07 |
| 25 | 44 | 19 | 32 | 33 | 0 | 0.07 |
| 26 | 45 | 19 | 32 | 33 | 0 | 0.07 |
| 27 | 45 | 19 | 32 | 33 | 0 | 0.06 |
| 28 | 45 | 19 | 32 | 33 | 0 | 0.06 |
| MTH | 42.9 | 18.1 | 30.5 | 966 | 0 | 1.90 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 21 | 33 | 32 | 0 | 0.07 |
| 2 | 45 | 21 | 33 | 32 | 0 | 0.07 |
| 3 | 46 | 21 | 33 | 32 | 0 | 0.07 |
| 4 | 46 | 21 | 33 | 32 | 0 | 0.07 |
| 5 | 46 | 21 | 33 | 32 | 0 | 0.06 |
| 6 | 46 | 21 | 34 | 31 | 0 | 0.06 |
| 7 | 46 | 21 | 34 | 31 | 0 | 0.06 |
| 8 | 46 | 21 | 34 | 31 | 0 | 0.06 |
| 9 | 47 | 21 | 34 | 31 | 0 | 0.06 |
| 10 | 47 | 21 | 34 | 31 | 0 | 0.06 |
| 11 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 12 | 47 | 22 | 35 | 30 | 0 | 0.06 |
| 13 | 48 | 22 | 35 | 30 | 0 | 0.06 |
| 14 | 48 | 22 | 35 | 30 | 0 | 0.06 |
| 15 | 48 | 22 | 35 | 30 | 0 | 0.06 |
| 16 | 48 | 22 | 35 | 30 | 0 | 0.06 |
| 17 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| 18 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| 19 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| 20 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 21 | 50 | 23 | 37 | 28 | 0 | 0.05 |
| 22 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 23 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 24 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 25 | 51 | 24 | 38 | 27 | 0 | 0.05 |
| 26 | 51 | 24 | 38 | 27 | 0 | 0.05 |
| 27 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 28 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 29 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 30 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 31 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| MTH | 48.6 | 22.6 | 35.6 | 911 | 0 | 1.75 |
| SPRING SEASON: | 58.2 | 28.2 | 43.3 | 2000 | 1 | 3.67 |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 53 | 26 | 39 | 26 | 0 | 0.04 |
| 2 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 3 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 4 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 5 | 55 | 26 | 40 | 25 | 0 | 0.04 |
| 6 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 7 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 8 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 9 | 56 | 27 | 41 | 24 | 0 | 0.03 |
| 10 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 11 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 12 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 13 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 14 | 58 | 27 | 43 | 22 | 0 | 0.03 |
| 15 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 16 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 17 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 18 | 59 | 28 | 44 | 21 | 0 | 0.03 |
| 19 | 59 | 28 | 44 | 21 | 0 | 0.03 |
| 20 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 21 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 22 | 60 | 29 | 45 | 20 | 0 | 0.03 |
| 23 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 24 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 25 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 26 | 61 | 30 | 46 | 19 | 0 | 0.03 |
| 27 | 62 | 30 | 46 | 19 | 0 | 0.03 |
| 28 | 62 | 30 | 46 | 19 | 0 | 0.03 |
| 29 | 62 | 30 | 46 | 19 | 0 | 0.03 |
| 30 | 63 | 31 | 47 | 18 | 0 | 0.03 |
| MTH | 58.1 | 27.8 | 43.0 | 660 | 0 | 0.95 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 32 | 47 | 18 | 0 | 0.03 |
| 2 | 63 | 32 | 47 | 18 | 0 | 0.03 |
| 3 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| 4 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| 5 | 65 | 32 | 48 | 17 | 0 | 0.03 |
| 6 | 65 | 32 | 48 | 17 | 0 | 0.03 |
| 7 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 8 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 9 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 10 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 11 | 66 | 33 | 50 | 15 | 0 | 0.04 |
| 12 | 66 | 33 | 50 | 15 | 0 | 0.04 |
| 13 | 67 | 33 | 50 | 15 | 0 | 0.04 |
| 14 | 67 | 34 | 51 | 14 | 0 | 0.03 |
| 15 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 16 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 17 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 18 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 19 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 20 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 21 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 22 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 23 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 24 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 25 | 71 | 36 | 54 | 11 | 0 | 0.03 |
| 26 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 27 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 28 | 72 | 37 | 55 | 10 | 0 | 0.03 |
| 29 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 30 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 31 | 73 | 38 | 56 | 10 | 1 | 0.02 |
| MTH | 68.0 | 34.4 | 51.2 | 429 | 1 | 0.97 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ALTON UTAH Station Number: 420086

Latitude: 37 B 26 * 26 ( Longitude: -112 B 28 * 57 ( Elevation (feet): 7040

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 39 | 56 | 9 | 0 | 0.02 |
| 2 | 75 | 39 | 57 | 9 | 1 | 0.02 |
| 3 | 75 | 39 | 57 | 8 | 0 | 0.02 |
| 4 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 5 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 6 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 7 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 8 | 77 | 40 | 58 | 8 | 1 | 0.02 |
| 9 | 77 | 40 | 59 | 7 | 1 | 0.01 |
| 10 | 78 | 40 | 59 | 7 | 1 | 0.01 |
| 11 | 78 | 40 | 59 | 7 | 1 | 0.01 |
| 12 | 78 | 40 | 59 | 7 | 1 | 0.01 |
| 13 | 78 | 41 | 60 | 6 | 1 | 0.01 |
| 14 | 78 | 41 | 60 | 6 | 1 | 0.01 |
| 15 | 79 | 41 | 60 | 6 | 1 | 0.01 |
| 16 | 79 | 41 | 60 | 6 | 1 | 0.01 |
| 17 | 79 | 42 | 61 | 5 | 1 | 0.01 |
| 18 | 80 | 42 | 61 | 5 | 1 | 0.01 |
| 19 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 20 | 80 | 43 | 62 | 4 | 1 | 0.02 |
| 21 | 80 | 43 | 62 | 4 | 1 | 0.02 |
| 22 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 23 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 24 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 25 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 26 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 27 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 28 | 82 | 45 | 64 | 3 | 2 | 0.02 |
| 29 | 82 | 46 | 64 | 3 | 2 | 0.02 |
| 30 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| MTH | 78.6 | 41.9 | 60.3 | 174 | 32 | 0.51 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 47 | 65 | 3 | 3 | 0.03 |
| 2 | 84 | 47 | 65 | 3 | 3 | 0.03 |
| 3 | 83 | 48 | 65 | 3 | 3 | 0.03 |
| 4 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 5 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 6 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 7 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 8 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 9 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 10 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 11 | 84 | 49 | 67 | 1 | 3 | 0.04 |
| 12 | 84 | 49 | 67 | 1 | 3 | 0.04 |
| 13 | 84 | 49 | 67 | 1 | 3 | 0.04 |
| 14 | 84 | 49 | 67 | 1 | 3 | 0.04 |
| 15 | 84 | 50 | 67 | 1 | 3 | 0.04 |
| 16 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 17 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 18 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 19 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 20 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 21 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 22 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 23 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 24 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 25 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 26 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 27 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 28 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 29 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 30 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 31 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| MTH | 84.0 | 49.2 | 66.6 | 44 | 93 | 1.34 |
| SUMMER SEASON: | 81.4 | 46.5 | 64.0 | 276 | 185 | 3.47 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 2 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 3 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 4 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 5 | 83 | 50 | 67 | 1 | 3 | 0.05 |
| 6 | 83 | 50 | 67 | 1 | 3 | 0.05 |
| 7 | 83 | 50 | 67 | 1 | 3 | 0.05 |
| 8 | 83 | 50 | 66 | 1 | 2 | 0.05 |
| 9 | 83 | 50 | 66 | 1 | 2 | 0.05 |
| 10 | 83 | 50 | 66 | 1 | 2 | 0.06 |
| 11 | 83 | 50 | 66 | 1 | 2 | 0.06 |
| 12 | 82 | 50 | 66 | 1 | 2 | 0.06 |
| 13 | 82 | 50 | 66 | 1 | 2 | 0.06 |
| 14 | 82 | 50 | 66 | 1 | 2 | 0.06 |
| 15 | 82 | 49 | 65 | 2 | 2 | 0.06 |
| 16 | 82 | 49 | 65 | 2 | 2 | 0.06 |
| 17 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 18 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 19 | 81 | 48 | 65 | 2 | 2 | 0.05 |
| 20 | 81 | 48 | 65 | 2 | 2 | 0.05 |
| 21 | 81 | 48 | 65 | 2 | 2 | 0.05 |
| 22 | 81 | 48 | 65 | 2 | 2 | 0.05 |
| 23 | 81 | 47 | 64 | 2 | 1 | 0.05 |
| 24 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 25 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 26 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 27 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 28 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 29 | 79 | 46 | 63 | 3 | 1 | 0.05 |
| 30 | 79 | 45 | 62 | 4 | 1 | 0.05 |
| 31 | 79 | 45 | 62 | 4 | 1 | 0.05 |
| MTH | 81.7 | 48.4 | 65.1 | 58 | 60 | 1.62 |

**SEPTEMBER**

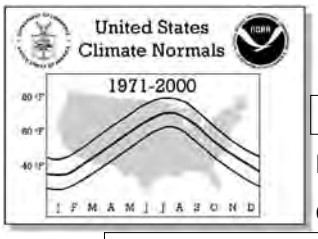
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 45 | 62 | 4 | 1 | 0.06 |
| 2 | 78 | 45 | 62 | 4 | 1 | 0.06 |
| 3 | 78 | 45 | 62 | 5 | 2 | 0.06 |
| 4 | 78 | 45 | 61 | 5 | 1 | 0.05 |
| 5 | 78 | 45 | 61 | 5 | 1 | 0.05 |
| 6 | 77 | 45 | 61 | 5 | 1 | 0.05 |
| 7 | 77 | 44 | 60 | 5 | 0 | 0.05 |
| 8 | 77 | 44 | 60 | 5 | 0 | 0.05 |
| 9 | 77 | 44 | 60 | 5 | 0 | 0.05 |
| 10 | 76 | 43 | 60 | 5 | 0 | 0.05 |
| 11 | 76 | 42 | 59 | 6 | 0 | 0.05 |
| 12 | 76 | 42 | 59 | 6 | 0 | 0.05 |
| 13 | 76 | 42 | 59 | 6 | 0 | 0.05 |
| 14 | 75 | 42 | 59 | 6 | * | 0.05 |
| 15 | 75 | 41 | 58 | 7 | * | 0.05 |
| 16 | 75 | 41 | 58 | 7 | * | 0.05 |
| 17 | 75 | 41 | 58 | 7 | * | 0.05 |
| 18 | 74 | 41 | 58 | 8 | * | 0.05 |
| 19 | 74 | 40 | 57 | 8 | * | 0.05 |
| 20 | 74 | 40 | 57 | 8 | * | 0.05 |
| 21 | 73 | 40 | 57 | 8 | * | 0.05 |
| 22 | 73 | 39 | 56 | 9 | * | 0.05 |
| 23 | 73 | 39 | 56 | 9 | 0 | 0.05 |
| 24 | 73 | 39 | 56 | 9 | 0 | 0.05 |
| 25 | 72 | 39 | 56 | 9 | 0 | 0.05 |
| 26 | 72 | 38 | 55 | 10 | 0 | 0.05 |
| 27 | 72 | 38 | 55 | 10 | 0 | 0.05 |
| 28 | 71 | 38 | 55 | 10 | 0 | 0.05 |
| 29 | 71 | 37 | 54 | 11 | 0 | 0.05 |
| 30 | 71 | 37 | 54 | 11 | 0 | 0.05 |
| MTH | 74.9 | 41.4 | 58.2 | 213 | 8 | 1.53 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 71 | 37 | 54 | 11 | 0 | 0.05 |
| 2 | 70 | 37 | 53 | 12 | 0 | 0.05 |
| 3 | 70 | 37 | 53 | 12 | 0 | 0.05 |
| 4 | 70 | 37 | 53 | 12 | 0 | 0.05 |
| 5 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 6 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 7 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 8 | 68 | 35 | 52 | 13 | 0 | 0.05 |
| 9 | 67 | 35 | 51 | 14 | 0 | 0.05 |
| 10 | 67 | 35 | 51 | 14 | 0 | 0.05 |
| 11 | 66 | 34 | 50 | 15 | 0 | 0.06 |
| 12 | 66 | 34 | 50 | 15 | 0 | 0.06 |
| 13 | 66 | 34 | 50 | 15 | 0 | 0.06 |
| 14 | 65 | 33 | 49 | 16 | 0 | 0.06 |
| 15 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 16 | 64 | 33 | 49 | 16 | 0 | 0.05 |
| 17 | 64 | 32 | 48 | 17 | 0 | 0.05 |
| 18 | 64 | 32 | 48 | 17 | 0 | 0.05 |
| 19 | 63 | 31 | 47 | 18 | 0 | 0.05 |
| 20 | 63 | 31 | 47 | 18 | 0 | 0.05 |
| 21 | 62 | 31 | 47 | 18 | 0 | 0.05 |
| 22 | 62 | 30 | 46 | 19 | 0 | 0.05 |
| 23 | 61 | 30 | 46 | 19 | 0 | 0.05 |
| 24 | 60 | 30 | 45 | 20 | 0 | 0.05 |
| 25 | 60 | 30 | 45 | 20 | 0 | 0.05 |
| 26 | 60 | 29 | 45 | 20 | 0 | 0.05 |
| 27 | 59 | 29 | 44 | 21 | 0 | 0.05 |
| 28 | 59 | 29 | 44 | 21 | 0 | 0.05 |
| 29 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 30 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 31 | 57 | 27 | 42 | 23 | 0 | 0.05 |
| MTH | 64.2 | 32.6 | 48.4 | 515 | 0 | 1.59 |
| AUTUMN SEASON: | 63.1 | 32.2 | 47.7 | 1586 | 8 | 4.52 |
| *ANNUAL:* | 61.1 | 31.0 | 46.1 | 7081 | 194 | 16.51 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 27 | 42 | 23 | 0 | 0.05 |
| 2 | 56 | 27 | 41 | 24 | 0 | 0.05 |
| 3 | 56 | 27 | 41 | 24 | 0 | 0.05 |
| 4 | 56 | 26 | 41 | 24 | 0 | 0.05 |
| 5 | 55 | 26 | 40 | 25 | 0 | 0.05 |
| 6 | 55 | 25 | 40 | 25 | 0 | 0.05 |
| 7 | 54 | 25 | 39 | 26 | 0 | 0.05 |
| 8 | 53 | 25 | 39 | 26 | 0 | 0.05 |
| 9 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 10 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 11 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 12 | 51 | 23 | 37 | 28 | 0 | 0.05 |
| 13 | 51 | 23 | 37 | 28 | 0 | 0.05 |
| 14 | 50 | 23 | 37 | 28 | 0 | 0.05 |
| 15 | 50 | 22 | 36 | 29 | 0 | 0.05 |
| 16 | 50 | 22 | 36 | 29 | 0 | 0.05 |
| 17 | 49 | 22 | 36 | 29 | 0 | 0.05 |
| 18 | 49 | 21 | 35 | 30 | 0 | 0.05 |
| 19 | 48 | 21 | 35 | 30 | 0 | 0.05 |
| 20 | 48 | 21 | 35 | 30 | 0 | 0.05 |
| 21 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 22 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 23 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 24 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 25 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 26 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 27 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 28 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 29 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 30 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| MTH | 50.2 | 22.6 | 36.4 | 858 | 0 | 1.40 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ALTON UTAH Station Number: 420086

Latitude: 37° 26* 26( Longitude: -112° 28* 57( Elevation (feet): 7040

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 7.97 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 | 8.60 |
| 0.050 | 0.00 | 0.05 | 0.05 | 0.03 | 0.07 | 0.00 | 0.08 | 0.21 | 0.07 | 0.00 | 0.07 | 0.01 | 10.48 |
| 0.100 | 0.17 | 0.18 | 0.17 | 0.08 | 0.13 | 0.00 | 0.21 | 0.42 | 0.15 | 0.14 | 0.15 | 0.07 | 11.59 |
| 0.200 | 0.48 | 0.43 | 0.40 | 0.18 | 0.25 | 0.05 | 0.42 | 0.69 | 0.32 | 0.40 | 0.32 | 0.20 | 13.05 |
| 0.300 | 0.75 | 0.70 | 0.65 | 0.30 | 0.38 | 0.11 | 0.62 | 0.92 | 0.52 | 0.65 | 0.51 | 0.36 | 14.17 |
| 0.400 | 1.05 | 1.01 | 0.93 | 0.45 | 0.53 | 0.19 | 0.83 | 1.15 | 0.76 | 0.92 | 0.72 | 0.55 | 15.18 |
| 0.500 | 1.37 | 1.36 | 1.25 | 0.62 | 0.70 | 0.30 | 1.06 | 1.39 | 1.04 | 1.21 | 0.98 | 0.77 | 16.16 |
| 0.600 | 1.74 | 1.78 | 1.64 | 0.84 | 0.91 | 0.43 | 1.32 | 1.67 | 1.39 | 1.56 | 1.29 | 1.06 | 17.19 |
| 0.700 | 2.19 | 2.31 | 2.13 | 1.13 | 1.17 | 0.60 | 1.65 | 1.99 | 1.84 | 1.97 | 1.69 | 1.42 | 18.34 |
| 0.800 | 2.81 | 3.06 | 2.82 | 1.54 | 1.54 | 0.85 | 2.09 | 2.42 | 2.48 | 2.55 | 2.25 | 1.95 | 19.74 |
| 0.900 | 3.83 | 4.32 | 3.97 | 2.25 | 2.16 | 1.28 | 2.82 | 3.10 | 3.57 | 3.51 | 3.21 | 2.85 | 21.80 |
| 0.950 | 4.82 | 5.57 | 5.12 | 2.97 | 2.78 | 1.72 | 3.53 | 3.75 | 4.67 | 4.44 | 4.17 | 3.77 | 23.61 |
| 0.990 | 7.06 | 8.44 | 7.76 | 4.66 | 4.20 | 2.77 | 5.11 | 5.16 | 7.24 | 6.56 | 6.39 | 5.91 | 27.24 |
| 0.995 | 8.01 | 9.67 | 8.89 | 5.39 | 4.81 | 3.22 | 5.79 | 5.75 | 8.34 | 7.46 | 7.35 | 6.83 | 28.66 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ANGLE UTAH Station Number: 420168

Latitude: 38° 14* 57( Longitude: -111° 57* 37( Elevation (feet): 6400

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 11 | 28 | 37 | 0 | 0.01 |
| 2 | 45 | 11 | 28 | 37 | 0 | 0.01 |
| 3 | 45 | 11 | 28 | 37 | 0 | 0.01 |
| 4 | 45 | 10 | 28 | 37 | 0 | 0.00 |
| 5 | 45 | 10 | 28 | 37 | 0 | 0.00 |
| 6 | 45 | 10 | 27 | 38 | 0 | 0.01 |
| 7 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 8 | 44 | 9 | 26 | 39 | 0 | 0.01 |
| 9 | 44 | 8 | 26 | 39 | 0 | 0.01 |
| 10 | 44 | 8 | 26 | 39 | 0 | 0.01 |
| 11 | 43 | 8 | 26 | 39 | 0 | 0.01 |
| 12 | 43 | 7 | 25 | 40 | 0 | 0.01 |
| 13 | 43 | 7 | 25 | 40 | 0 | 0.01 |
| 14 | 43 | 7 | 25 | 40 | 0 | 0.01 |
| 15 | 43 | 7 | 25 | 40 | 0 | 0.01 |
| 16 | 43 | 7 | 25 | 40 | 0 | 0.01 |
| 17 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 18 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 19 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 20 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 21 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 22 | 42 | 6 | 24 | 41 | 0 | 0.01 |
| 23 | 41 | 6 | 24 | 41 | 0 | 0.01 |
| 24 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 25 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 26 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 27 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 28 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 29 | 41 | 5 | 23 | 42 | 0 | 0.01 |
| 30 | 40 | 5 | 23 | 42 | 0 | 0.01 |
| 31 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| MTH | 42.7 | 7.2 | 25.0 | 1241 | 0 | 0.29 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 2 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 3 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 4 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 5 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 6 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 7 | 40 | 4 | 22 | 43 | 0 | 0.01 |
| 8 | 40 | 4 | 22 | 43 | 0 | 0.02 |
| 9 | 40 | 4 | 22 | 43 | 0 | 0.02 |
| 10 | 40 | 4 | 22 | 43 | 0 | 0.02 |
| 11 | 40 | 4 | 22 | 43 | 0 | 0.02 |
| 12 | 40 | 5 | 22 | 43 | 0 | 0.02 |
| 13 | 40 | 5 | 22 | 43 | 0 | 0.02 |
| 14 | 40 | 5 | 22 | 43 | 0 | 0.02 |
| 15 | 40 | 5 | 22 | 43 | 0 | 0.02 |
| 16 | 40 | 5 | 23 | 42 | 0 | 0.02 |
| 17 | 40 | 5 | 23 | 42 | 0 | 0.02 |
| 18 | 40 | 5 | 23 | 42 | 0 | 0.02 |
| 19 | 40 | 5 | 23 | 42 | 0 | 0.02 |
| 20 | 40 | 5 | 23 | 42 | 0 | 0.02 |
| 21 | 40 | 6 | 23 | 42 | 0 | 0.02 |
| 22 | 40 | 6 | 23 | 42 | 0 | 0.02 |
| 23 | 40 | 6 | 23 | 42 | 0 | 0.02 |
| 24 | 41 | 6 | 24 | 41 | 0 | 0.02 |
| 25 | 41 | 7 | 24 | 41 | 0 | 0.01 |
| 26 | 41 | 7 | 24 | 41 | 0 | 0.01 |
| 27 | 41 | 7 | 24 | 41 | 0 | 0.01 |
| 28 | 41 | 8 | 25 | 40 | 0 | 0.01 |
| 29 | 42 | 8 | 25 | 40 | 0 | 0.01 |
| 30 | 42 | 8 | 25 | 40 | 0 | 0.01 |
| 31 | 42 | 8 | 25 | 40 | 0 | 0.01 |
| MTH | 40.4 | 5.4 | 22.9 | 1305 | 0 | 0.48 |
| | 42.8 | 8.4 | 25.7 | 3551 | 0 | 1.12 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 9 | 26 | 39 | 0 | 0.01 |
| 2 | 43 | 10 | 26 | 39 | 0 | 0.01 |
| 3 | 43 | 10 | 26 | 39 | 0 | 0.01 |
| 4 | 43 | 10 | 26 | 39 | 0 | 0.01 |
| 5 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 6 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 7 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 8 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 9 | 44 | 11 | 28 | 37 | 0 | 0.01 |
| 10 | 45 | 11 | 28 | 37 | 0 | 0.01 |
| 11 | 45 | 11 | 28 | 37 | 0 | 0.01 |
| 12 | 45 | 12 | 29 | 36 | 0 | 0.01 |
| 13 | 45 | 12 | 29 | 36 | 0 | 0.01 |
| 14 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 15 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 16 | 46 | 13 | 30 | 35 | 0 | 0.01 |
| 17 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 18 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 19 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 20 | 47 | 14 | 31 | 34 | 0 | 0.01 |
| 21 | 47 | 15 | 31 | 34 | 0 | 0.01 |
| 22 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 23 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 24 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 25 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 26 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 27 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 28 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| MTH | 45.5 | 12.7 | 29.1 | 1005 | 0 | 0.35 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 48 | 17 | 32 | 33 | 0 | 0.02 |
| 2 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 3 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 4 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 5 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 6 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 7 | 49 | 18 | 34 | 31 | 0 | 0.02 |
| 8 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 9 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 10 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 11 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 12 | 50 | 19 | 35 | 30 | 0 | 0.02 |
| 13 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 14 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 15 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 16 | 51 | 20 | 36 | 29 | 0 | 0.03 |
| 17 | 51 | 20 | 36 | 29 | 0 | 0.03 |
| 18 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 19 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 20 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 21 | 52 | 21 | 37 | 28 | 0 | 0.03 |
| 22 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 23 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 24 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 25 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 26 | 54 | 21 | 38 | 27 | 0 | 0.03 |
| 27 | 54 | 22 | 38 | 27 | 0 | 0.03 |
| 28 | 54 | 22 | 38 | 27 | 0 | 0.03 |
| 29 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 30 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 31 | 55 | 22 | 39 | 26 | 0 | 0.02 |
| MTH | 51.4 | 19.6 | 35.5 | 914 | 0 | 0.75 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 22 | 39 | 26 | 0 | 0.03 |
| 2 | 56 | 23 | 39 | 26 | 0 | 0.03 |
| 3 | 56 | 23 | 39 | 26 | 0 | 0.03 |
| 4 | 56 | 23 | 39 | 26 | 0 | 0.03 |
| 5 | 56 | 23 | 40 | 25 | 0 | 0.02 |
| 6 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 7 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 8 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 9 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 10 | 58 | 24 | 41 | 24 | 0 | 0.02 |
| 11 | 58 | 24 | 41 | 24 | 0 | 0.02 |
| 12 | 58 | 24 | 41 | 24 | 0 | 0.02 |
| 13 | 58 | 24 | 41 | 24 | 0 | 0.02 |
| 14 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| 15 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| 16 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| 17 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| 18 | 60 | 25 | 43 | 22 | 0 | 0.02 |
| 19 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 20 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 21 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 22 | 61 | 26 | 44 | 21 | 0 | 0.02 |
| 23 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 24 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 25 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 26 | 62 | 27 | 45 | 20 | 0 | 0.03 |
| 27 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 28 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 29 | 63 | 28 | 46 | 19 | 0 | 0.03 |
| 30 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| MTH | 59.1 | 25.1 | 42.1 | 687 | 0 | 0.69 |
| | 59.7 | 25.7 | 42.7 | 2047 | 0 | 2.24 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 64 | 29 | 46 | 19 | 0 | 0.02 |
| 2 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 3 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 4 | 65 | 30 | 47 | 18 | 0 | 0.02 |
| 5 | 65 | 30 | 47 | 18 | 0 | 0.03 |
| 6 | 65 | 30 | 48 | 17 | 0 | 0.03 |
| 7 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 8 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 9 | 66 | 31 | 49 | 16 | 0 | 0.03 |
| 10 | 66 | 31 | 49 | 16 | 0 | 0.03 |
| 11 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 12 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 13 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 14 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 15 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 16 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 17 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 18 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 19 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 20 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 21 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 22 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 23 | 71 | 34 | 53 | 12 | 0 | 0.02 |
| 24 | 71 | 34 | 53 | 12 | 0 | 0.02 |
| 25 | 72 | 34 | 53 | 12 | 0 | 0.02 |
| 26 | 72 | 35 | 54 | 11 | 0 | 0.02 |
| 27 | 73 | 35 | 54 | 11 | 0 | 0.02 |
| 28 | 73 | 35 | 54 | 11 | 0 | 0.02 |
| 29 | 73 | 35 | 54 | 11 | 0 | 0.02 |
| 30 | 74 | 35 | 55 | 10 | 0 | 0.02 |
| 31 | 74 | 36 | 55 | 10 | 0 | 0.02 |
| MTH | 68.7 | 32.5 | 50.6 | 446 | 0 | 0.80 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ANGLE UTAH Station Number: 420168

Latitude: 38° 14* 57 ( Longitude: -111° 57* 37 ( Elevation (feet): 6400

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 37 | 55 | 10 | 0 | 0.02 |
| 2 | 74 | 37 | 56 | 10 | 1 | 0.02 |
| 3 | 76 | 37 | 56 | 9 | 0 | 0.02 |
| 4 | 76 | 37 | 56 | 9 | 0 | 0.02 |
| 5 | 76 | 37 | 56 | 9 | 0 | 0.02 |
| 6 | 77 | 37 | 57 | 8 | 0 | 0.02 |
| 7 | 77 | 37 | 57 | 8 | 0 | 0.02 |
| 8 | 77 | 37 | 57 | 8 | 0 | 0.02 |
| 9 | 78 | 37 | 57 | 8 | 0 | 0.02 |
| 10 | 78 | 38 | 58 | 8 | 1 | 0.02 |
| 11 | 78 | 38 | 58 | 8 | 1 | 0.02 |
| 12 | 78 | 38 | 58 | 8 | 1 | 0.02 |
| 13 | 79 | 38 | 59 | 7 | 1 | 0.02 |
| 14 | 79 | 38 | 59 | 7 | 1 | 0.02 |
| 15 | 80 | 38 | 59 | 7 | 1 | 0.02 |
| 16 | 80 | 38 | 59 | 7 | 1 | 0.02 |
| 17 | 80 | 39 | 60 | 6 | 1 | 0.01 |
| 18 | 80 | 39 | 60 | 6 | 1 | 0.02 |
| 19 | 81 | 39 | 60 | 6 | 1 | 0.02 |
| 20 | 81 | 39 | 60 | 6 | 1 | 0.02 |
| 21 | 81 | 40 | 61 | 5 | 1 | 0.02 |
| 22 | 82 | 40 | 61 | 5 | 1 | 0.02 |
| 23 | 82 | 40 | 61 | 5 | 1 | 0.02 |
| 24 | 82 | 41 | 62 | 4 | 1 | 0.02 |
| 25 | 82 | 41 | 62 | 4 | 1 | 0.02 |
| 26 | 83 | 41 | 62 | 4 | 1 | 0.02 |
| 27 | 83 | 41 | 62 | 4 | 1 | 0.02 |
| 28 | 83 | 41 | 62 | 4 | 1 | 0.02 |
| 29 | 83 | 41 | 62 | 4 | 1 | 0.02 |
| 30 | 84 | 42 | 63 | 4 | 2 | 0.02 |
| MTH | 79.5 | 38.8 | 59.2 | 198 | 23 | 0.59 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 43 | 64 | 4 | 3 | 0.02 |
| 2 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 3 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 4 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 5 | 85 | 45 | 65 | 2 | 2 | 0.02 |
| 6 | 85 | 45 | 65 | 2 | 2 | 0.02 |
| 7 | 86 | 45 | 65 | 2 | 2 | 0.02 |
| 8 | 86 | 45 | 65 | 2 | 2 | 0.02 |
| 9 | 86 | 45 | 65 | 2 | 2 | 0.03 |
| 10 | 86 | 45 | 65 | 2 | 2 | 0.03 |
| 11 | 86 | 45 | 66 | 1 | 2 | 0.03 |
| 12 | 86 | 45 | 66 | 1 | 2 | 0.03 |
| 13 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 14 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 15 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 16 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 17 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 18 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 19 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 20 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 21 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 22 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 23 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 24 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 25 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 26 | 86 | 46 | 66 | 1 | 2 | 0.03 |
| 27 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 28 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 29 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 30 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 31 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| MTH | 85.8 | 45.5 | 65.7 | 46 | 66 | 0.90 |
| SUMMER SEASON: | 82.9 | 42.9 | 63.0 | 315 | 131 | 2.79 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 2 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 3 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 4 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 5 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 6 | 86 | 46 | 66 | 1 | 2 | 0.04 |
| 7 | 85 | 46 | 66 | 1 | 2 | 0.04 |
| 8 | 85 | 46 | 66 | 1 | 2 | 0.04 |
| 9 | 85 | 46 | 66 | 1 | 2 | 0.04 |
| 10 | 85 | 46 | 66 | 1 | 2 | 0.04 |
| 11 | 84 | 46 | 65 | 1 | 1 | 0.04 |
| 12 | 84 | 46 | 65 | 1 | 1 | 0.04 |
| 13 | 84 | 46 | 65 | 1 | 1 | 0.05 |
| 14 | 83 | 46 | 65 | 2 | 2 | 0.05 |
| 15 | 83 | 46 | 64 | 2 | 1 | 0.05 |
| 16 | 83 | 46 | 64 | 2 | 1 | 0.05 |
| 17 | 83 | 46 | 64 | 2 | 1 | 0.05 |
| 18 | 83 | 46 | 64 | 2 | 1 | 0.05 |
| 19 | 83 | 46 | 64 | 2 | 1 | 0.04 |
| 20 | 83 | 44 | 63 | 3 | 1 | 0.04 |
| 21 | 83 | 43 | 63 | 3 | 1 | 0.04 |
| 22 | 83 | 43 | 63 | 3 | 1 | 0.04 |
| 23 | 82 | 43 | 63 | 3 | 1 | 0.04 |
| 24 | 82 | 43 | 63 | 3 | 1 | 0.04 |
| 25 | 82 | 42 | 62 | 4 | 1 | 0.04 |
| 26 | 82 | 42 | 62 | 4 | 1 | 0.04 |
| 27 | 81 | 42 | 62 | 4 | 1 | 0.04 |
| 28 | 81 | 42 | 62 | 4 | 1 | 0.04 |
| 29 | 81 | 41 | 61 | 5 | 1 | 0.04 |
| 30 | 81 | 41 | 61 | 5 | 1 | 0.04 |
| 31 | 80 | 41 | 61 | 5 | 1 | 0.04 |
| MTH | 83.5 | 44.6 | 64.1 | 71 | 42 | 1.30 |

**SEPTEMBER**

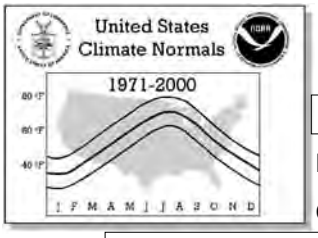
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 80 | 41 | 61 | 6 | 2 | 0.04 |
| 2 | 80 | 41 | 61 | 6 | 2 | 0.04 |
| 3 | 80 | 40 | 60 | 6 | 1 | 0.04 |
| 4 | 80 | 40 | 60 | 6 | 1 | 0.04 |
| 5 | 80 | 39 | 59 | 6 | 0 | 0.04 |
| 6 | 80 | 39 | 59 | 6 | 0 | 0.04 |
| 7 | 79 | 39 | 59 | 6 | 0 | 0.04 |
| 8 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 9 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 10 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 11 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| 12 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| 13 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| 14 | 76 | 36 | 56 | 9 | 0 | 0.03 |
| 15 | 76 | 36 | 56 | 9 | 0 | 0.03 |
| 16 | 76 | 36 | 56 | 9 | 0 | 0.03 |
| 17 | 75 | 35 | 55 | 10 | 0 | 0.03 |
| 18 | 75 | 35 | 55 | 10 | 0 | 0.03 |
| 19 | 75 | 35 | 55 | 10 | 0 | 0.03 |
| 20 | 75 | 34 | 55 | 10 | 0 | 0.03 |
| 21 | 74 | 34 | 54 | 11 | 0 | 0.03 |
| 22 | 74 | 34 | 54 | 11 | 0 | 0.03 |
| 23 | 74 | 33 | 54 | 11 | 0 | 0.03 |
| 24 | 73 | 33 | 53 | 12 | 0 | 0.03 |
| 25 | 73 | 33 | 53 | 12 | 0 | 0.03 |
| 26 | 73 | 32 | 53 | 12 | 0 | 0.03 |
| 27 | 72 | 32 | 52 | 13 | 0 | 0.03 |
| 28 | 72 | 32 | 52 | 13 | 0 | 0.03 |
| 29 | 71 | 31 | 51 | 14 | 0 | 0.03 |
| 30 | 71 | 31 | 51 | 14 | 0 | 0.03 |
| MTH | 76.0 | 35.9 | 56.0 | 277 | 6 | 0.97 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 71 | 31 | 51 | 14 | 0 | 0.03 |
| 2 | 71 | 30 | 50 | 15 | 0 | 0.03 |
| 3 | 71 | 30 | 50 | 15 | 0 | 0.03 |
| 4 | 71 | 29 | 50 | 15 | 0 | 0.03 |
| 5 | 70 | 29 | 49 | 16 | 0 | 0.03 |
| 6 | 70 | 29 | 49 | 16 | 0 | 0.03 |
| 7 | 69 | 28 | 49 | 16 | 0 | 0.03 |
| 8 | 68 | 28 | 48 | 17 | 0 | 0.03 |
| 9 | 68 | 28 | 48 | 17 | 0 | 0.03 |
| 10 | 67 | 27 | 47 | 18 | 0 | 0.03 |
| 11 | 67 | 27 | 47 | 18 | 0 | 0.03 |
| 12 | 67 | 27 | 47 | 18 | 0 | 0.03 |
| 13 | 66 | 26 | 46 | 19 | 0 | 0.03 |
| 14 | 66 | 26 | 46 | 19 | 0 | 0.03 |
| 15 | 66 | 26 | 46 | 19 | 0 | 0.03 |
| 16 | 65 | 25 | 45 | 20 | 0 | 0.03 |
| 17 | 65 | 25 | 45 | 20 | 0 | 0.03 |
| 18 | 64 | 24 | 44 | 21 | 0 | 0.03 |
| 19 | 64 | 24 | 44 | 21 | 0 | 0.03 |
| 20 | 63 | 24 | 44 | 21 | 0 | 0.03 |
| 21 | 63 | 23 | 43 | 22 | 0 | 0.03 |
| 22 | 62 | 23 | 43 | 22 | 0 | 0.03 |
| 23 | 61 | 23 | 42 | 23 | 0 | 0.03 |
| 24 | 61 | 23 | 42 | 23 | 0 | 0.03 |
| 25 | 61 | 22 | 42 | 23 | 0 | 0.03 |
| 26 | 60 | 22 | 41 | 24 | 0 | 0.03 |
| 27 | 60 | 21 | 41 | 24 | 0 | 0.03 |
| 28 | 59 | 21 | 40 | 25 | 0 | 0.02 |
| 29 | 59 | 21 | 40 | 25 | 0 | 0.02 |
| 30 | 58 | 21 | 40 | 25 | 0 | 0.02 |
| 31 | 58 | 20 | 39 | 26 | 0 | 0.02 |
| MTH | 64.9 | 25.3 | 45.1 | 617 | 0 | 0.89 |
| AUTUMN SEASON: | 63.9 | 25.5 | 44.8 | 1848 | 6 | 2.24 |
| *ANNUAL:* | 62.3 | 25.6 | 44.0 | 7761 | 137 | 8.39 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 20 | 39 | 26 | 0 | 0.02 |
| 2 | 57 | 20 | 38 | 27 | 0 | 0.02 |
| 3 | 56 | 20 | 38 | 27 | 0 | 0.02 |
| 4 | 55 | 20 | 37 | 28 | 0 | 0.02 |
| 5 | 55 | 20 | 37 | 28 | 0 | 0.02 |
| 6 | 55 | 19 | 37 | 28 | 0 | 0.02 |
| 7 | 54 | 18 | 36 | 29 | 0 | 0.02 |
| 8 | 54 | 18 | 36 | 29 | 0 | 0.02 |
| 9 | 53 | 17 | 35 | 30 | 0 | 0.01 |
| 10 | 53 | 17 | 35 | 30 | 0 | 0.01 |
| 11 | 53 | 17 | 35 | 30 | 0 | 0.01 |
| 12 | 52 | 16 | 34 | 31 | 0 | 0.01 |
| 13 | 52 | 16 | 34 | 31 | 0 | 0.01 |
| 14 | 51 | 16 | 34 | 31 | 0 | 0.01 |
| 15 | 51 | 15 | 33 | 32 | 0 | 0.01 |
| 16 | 50 | 15 | 33 | 32 | 0 | 0.01 |
| 17 | 50 | 14 | 32 | 33 | 0 | 0.01 |
| 18 | 50 | 14 | 32 | 33 | 0 | 0.01 |
| 19 | 49 | 14 | 32 | 33 | 0 | 0.01 |
| 20 | 49 | 13 | 31 | 34 | 0 | 0.01 |
| 21 | 49 | 13 | 31 | 34 | 0 | 0.01 |
| 22 | 48 | 13 | 31 | 34 | 0 | 0.01 |
| 23 | 48 | 13 | 31 | 34 | 0 | 0.01 |
| 24 | 48 | 12 | 30 | 35 | 0 | 0.01 |
| 25 | 47 | 12 | 30 | 35 | 0 | 0.01 |
| 26 | 47 | 12 | 30 | 35 | 0 | 0.01 |
| 27 | 47 | 11 | 29 | 36 | 0 | 0.01 |
| 28 | 47 | 11 | 29 | 36 | 0 | 0.01 |
| 29 | 46 | 11 | 29 | 36 | 0 | 0.01 |
| 30 | 46 | 11 | 28 | 37 | 0 | 0.01 |
| MTH | 51.0 | 15.3 | 33.2 | 954 | 0 | 0.38 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ANGLE UTAH Station Number: 420168

Latitude: 38° 14' 57" Longitude: -111° 57' 37" Elevation (feet): 6400

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 | 0.01 | 0.06 | 0.06 | 0.02 | 0.00 | 0.01 | 0.00 | 3.88 |
| 0.010 | 0.01 | 0.02 | 0.03 | 0.03 | 0.03 | 0.01 | 0.08 | 0.09 | 0.03 | 0.00 | 0.02 | 0.00 | 4.21 |
| 0.050 | 0.03 | 0.05 | 0.09 | 0.09 | 0.09 | 0.05 | 0.18 | 0.23 | 0.09 | 0.03 | 0.05 | 0.02 | 5.20 |
| 0.100 | 0.06 | 0.07 | 0.15 | 0.15 | 0.15 | 0.09 | 0.27 | 0.34 | 0.16 | 0.10 | 0.08 | 0.05 | 5.78 |
| 0.200 | 0.12 | 0.12 | 0.25 | 0.25 | 0.26 | 0.17 | 0.40 | 0.53 | 0.30 | 0.23 | 0.13 | 0.09 | 6.55 |
| 0.300 | 0.19 | 0.17 | 0.36 | 0.35 | 0.37 | 0.25 | 0.52 | 0.71 | 0.43 | 0.35 | 0.19 | 0.14 | 7.15 |
| 0.400 | 0.26 | 0.22 | 0.47 | 0.45 | 0.49 | 0.34 | 0.64 | 0.89 | 0.58 | 0.50 | 0.24 | 0.18 | 7.69 |
| 0.500 | 0.35 | 0.28 | 0.59 | 0.56 | 0.63 | 0.44 | 0.77 | 1.09 | 0.74 | 0.66 | 0.31 | 0.23 | 8.21 |
| 0.600 | 0.45 | 0.34 | 0.74 | 0.69 | 0.79 | 0.56 | 0.92 | 1.32 | 0.94 | 0.85 | 0.38 | 0.28 | 8.76 |
| 0.700 | 0.58 | 0.42 | 0.92 | 0.85 | 0.98 | 0.72 | 1.10 | 1.59 | 1.18 | 1.09 | 0.47 | 0.35 | 9.38 |
| 0.800 | 0.77 | 0.53 | 1.16 | 1.06 | 1.25 | 0.92 | 1.34 | 1.95 | 1.52 | 1.43 | 0.59 | 0.44 | 10.14 |
| 0.900 | 1.07 | 0.71 | 1.56 | 1.41 | 1.69 | 1.27 | 1.71 | 2.54 | 2.08 | 1.99 | 0.79 | 0.59 | 11.25 |
| 0.950 | 1.38 | 0.88 | 1.95 | 1.75 | 2.12 | 1.61 | 2.07 | 3.11 | 2.62 | 2.54 | 0.98 | 0.74 | 12.22 |
| 0.990 | 2.07 | 1.26 | 2.83 | 2.51 | 3.09 | 2.39 | 2.86 | 4.36 | 3.86 | 3.80 | 1.41 | 1.06 | 14.20 |
| 0.995 | 2.37 | 1.42 | 3.21 | 2.83 | 3.50 | 2.72 | 3.19 | 4.88 | 4.39 | 4.34 | 1.59 | 1.20 | 14.97 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BEAVER UTAH Station Number: 420519

Latitude: 38° 18* 00( Longitude: -112° 39* 00( Elevation (feet): 5940

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 2 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 3 | 46 | 17 | 31 | 34 | 0 | 0.03 |
| 4 | 45 | 17 | 31 | 34 | 0 | 0.03 |
| 5 | 45 | 17 | 31 | 34 | 0 | 0.03 |
| 6 | 45 | 17 | 31 | 34 | 0 | 0.03 |
| 7 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 8 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 9 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 10 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 11 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 12 | 44 | 15 | 30 | 35 | 0 | 0.02 |
| 13 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 14 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 15 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 16 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 17 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 18 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 19 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 20 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 21 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 22 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 23 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 24 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 25 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 26 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 27 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 28 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 29 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 30 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 31 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| MTH | 43.3 | 15.3 | 29.3 | 1107 | 0 | 0.73 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 2 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 3 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 4 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 5 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 6 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 7 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 8 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 9 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 10 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 11 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 12 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 13 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 14 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 15 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 16 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 17 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 18 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 19 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 20 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 21 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 22 | 43 | 16 | 29 | 36 | 0 | 0.03 |
| 23 | 43 | 16 | 29 | 36 | 0 | 0.03 |
| 24 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 25 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 26 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 27 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 28 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 29 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 30 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 31 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| MTH | 42.4 | 15.4 | 28.9 | 1119 | 0 | 0.82 |
| | 44.1 | 16.7 | 30.5 | 3116 | 0 | 2.37 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 2 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 3 | 45 | 18 | 31 | 34 | 0 | 0.03 |
| 4 | 45 | 18 | 31 | 34 | 0 | 0.03 |
| 5 | 45 | 18 | 31 | 34 | 0 | 0.03 |
| 6 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 7 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 8 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 9 | 46 | 19 | 32 | 33 | 0 | 0.03 |
| 10 | 46 | 19 | 32 | 33 | 0 | 0.03 |
| 11 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 12 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 13 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 14 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 15 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 16 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 17 | 47 | 20 | 34 | 31 | 0 | 0.03 |
| 18 | 47 | 20 | 34 | 31 | 0 | 0.03 |
| 19 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 20 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 21 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 22 | 48 | 21 | 35 | 30 | 0 | 0.03 |
| 23 | 48 | 21 | 35 | 30 | 0 | 0.03 |
| 24 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 25 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 26 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 27 | 49 | 22 | 36 | 29 | 0 | 0.03 |
| 28 | 49 | 22 | 36 | 29 | 0 | 0.03 |
| MTH | 46.7 | 19.6 | 33.2 | 890 | 0 | 0.82 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 23 | 36 | 29 | 0 | 0.03 |
| 2 | 50 | 23 | 36 | 29 | 0 | 0.03 |
| 3 | 50 | 23 | 36 | 29 | 0 | 0.03 |
| 4 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 5 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 6 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 7 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 8 | 51 | 24 | 38 | 27 | 0 | 0.04 |
| 9 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 10 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 11 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 12 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 13 | 52 | 25 | 39 | 26 | 0 | 0.04 |
| 14 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 15 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 16 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 17 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 18 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 19 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 20 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 21 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 22 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 23 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 24 | 55 | 26 | 41 | 24 | 0 | 0.04 |
| 25 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 26 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 27 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 28 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 29 | 56 | 27 | 42 | 23 | 0 | 0.04 |
| 30 | 56 | 27 | 42 | 23 | 0 | 0.04 |
| 31 | 57 | 27 | 42 | 23 | 0 | 0.04 |
| MTH | 53.1 | 25.1 | 39.1 | 803 | 0 | 1.17 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 2 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 3 | 58 | 28 | 43 | 22 | 0 | 0.04 |
| 4 | 58 | 28 | 43 | 22 | 0 | 0.04 |
| 5 | 58 | 28 | 43 | 22 | 0 | 0.04 |
| 6 | 58 | 28 | 43 | 22 | 0 | 0.04 |
| 7 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 8 | 59 | 29 | 44 | 21 | * | 0.04 |
| 9 | 59 | 29 | 44 | 21 | * | 0.04 |
| 10 | 59 | 29 | 44 | 21 | * | 0.04 |
| 11 | 59 | 29 | 44 | 21 | * | 0.04 |
| 12 | 59 | 30 | 45 | 21 | * | 0.04 |
| 13 | 60 | 30 | 45 | 20 | * | 0.04 |
| 14 | 60 | 30 | 45 | 20 | * | 0.04 |
| 15 | 60 | 30 | 45 | 20 | * | 0.04 |
| 16 | 60 | 30 | 45 | 20 | * | 0.04 |
| 17 | 61 | 30 | 46 | 19 | 0 | 0.04 |
| 18 | 61 | 30 | 46 | 19 | 0 | 0.04 |
| 19 | 62 | 30 | 46 | 19 | 0 | 0.04 |
| 20 | 62 | 30 | 46 | 19 | 0 | 0.04 |
| 21 | 62 | 31 | 47 | 18 | 0 | 0.04 |
| 22 | 63 | 31 | 47 | 18 | 0 | 0.04 |
| 23 | 63 | 31 | 47 | 18 | 0 | 0.04 |
| 24 | 63 | 31 | 47 | 18 | 0 | 0.04 |
| 25 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 26 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 27 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 28 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 29 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 30 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| MTH | 60.8 | 30.1 | 45.5 | 587 | 1 | 1.21 |
| | 61.6 | 30.7 | 46.2 | 1736 | 5 | 3.52 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 65 | 34 | 49 | 16 | 0 | 0.04 |
| 2 | 66 | 34 | 50 | 15 | 0 | 0.04 |
| 3 | 67 | 34 | 50 | 15 | 0 | 0.04 |
| 4 | 67 | 34 | 50 | 15 | 0 | 0.04 |
| 5 | 67 | 34 | 50 | 15 | 0 | 0.04 |
| 6 | 67 | 35 | 51 | 14 | 0 | 0.04 |
| 7 | 68 | 35 | 51 | 14 | 0 | 0.04 |
| 8 | 68 | 35 | 51 | 14 | 0 | 0.04 |
| 9 | 68 | 35 | 52 | 13 | 0 | 0.04 |
| 10 | 69 | 35 | 52 | 13 | 0 | 0.04 |
| 11 | 69 | 35 | 52 | 13 | 0 | 0.04 |
| 12 | 69 | 36 | 53 | 12 | 0 | 0.04 |
| 13 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 14 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 15 | 70 | 37 | 54 | 11 | 0 | 0.04 |
| 16 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 17 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 18 | 72 | 37 | 55 | 10 | 0 | 0.04 |
| 19 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 20 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 21 | 73 | 38 | 56 | 9 | 0 | 0.04 |
| 22 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 23 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 24 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 25 | 74 | 39 | 57 | 8 | 0 | 0.03 |
| 26 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 27 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 28 | 76 | 40 | 58 | 8 | 1 | 0.03 |
| 29 | 76 | 40 | 58 | 8 | 1 | 0.03 |
| 30 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 31 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| MTH | 71.0 | 37.0 | 54.0 | 346 | 4 | 1.14 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: BEAVER UTAH Station Number: 420519

Latitude: 38° 18* 00( Longitude: -112° 39* 00( Elevation (feet): 5940

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 42 | 59 | 7 | 1 | 0.03 |
| 2 | 79 | 42 | 60 | 6 | 1 | 0.03 |
| 3 | 79 | 42 | 60 | 6 | 1 | 0.02 |
| 4 | 79 | 42 | 60 | 6 | 1 | 0.02 |
| 5 | 79 | 42 | 61 | 5 | 1 | 0.02 |
| 6 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 7 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 8 | 80 | 43 | 62 | 4 | 1 | 0.02 |
| 9 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 10 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 11 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 12 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 13 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 14 | 82 | 45 | 64 | 3 | 2 | 0.02 |
| 15 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 16 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 17 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 18 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 19 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 20 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 21 | 85 | 46 | 66 | 2 | 3 | 0.02 |
| 22 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 23 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 24 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 25 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 26 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 27 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 28 | 87 | 48 | 68 | 1 | 4 | 0.02 |
| 29 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 30 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| MTH | 82.7 | 45.0 | 63.9 | 102 | 68 | 0.62 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 2 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 3 | 89 | 50 | 69 | 1 | 5 | 0.02 |
| 4 | 89 | 50 | 69 | 1 | 5 | 0.03 |
| 5 | 89 | 50 | 69 | 1 | 5 | 0.03 |
| 6 | 89 | 50 | 69 | 1 | 5 | 0.03 |
| 7 | 89 | 50 | 70 | 1 | 6 | 0.03 |
| 8 | 89 | 51 | 70 | 1 | 6 | 0.03 |
| 9 | 89 | 51 | 70 | 1 | 6 | 0.03 |
| 10 | 89 | 51 | 70 | 1 | 6 | 0.03 |
| 11 | 89 | 51 | 70 | 1 | 6 | 0.03 |
| 12 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 13 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 14 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 15 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 16 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 17 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 18 | 90 | 52 | 71 | 0 | 6 | 0.04 |
| 19 | 90 | 52 | 71 | 0 | 6 | 0.04 |
| 20 | 90 | 52 | 71 | 0 | 6 | 0.04 |
| 21 | 90 | 52 | 71 | 0 | 6 | 0.04 |
| 22 | 90 | 52 | 71 | 0 | 6 | 0.04 |
| 23 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 24 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 25 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 26 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 27 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 28 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 29 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 30 | 89 | 53 | 71 | 0 | 6 | 0.04 |
| 31 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| MTH | 89.2 | 51.7 | 70.5 | 11 | 180 | 1.05 |
| SUMMER SEASON: | 86.3 | 49.1 | 67.7 | 129 | 381 | 3.20 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 2 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 3 | 89 | 52 | 71 | 0 | 6 | 0.05 |
| 4 | 89 | 52 | 71 | 0 | 6 | 0.05 |
| 5 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 6 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 7 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 8 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 9 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 10 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 11 | 89 | 52 | 70 | 0 | 5 | 0.05 |
| 12 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 13 | 88 | 51 | 70 | 0 | 5 | 0.05 |
| 14 | 88 | 51 | 70 | 0 | 5 | 0.05 |
| 15 | 87 | 51 | 69 | 0 | 4 | 0.05 |
| 16 | 87 | 51 | 69 | 0 | 4 | 0.05 |
| 17 | 87 | 51 | 69 | 0 | 4 | 0.05 |
| 18 | 87 | 51 | 69 | 0 | 4 | 0.05 |
| 19 | 87 | 50 | 69 | 0 | 4 | 0.05 |
| 20 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 21 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 22 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 23 | 85 | 50 | 68 | 1 | 4 | 0.05 |
| 24 | 85 | 49 | 67 | 1 | 3 | 0.05 |
| 25 | 85 | 49 | 67 | 1 | 3 | 0.05 |
| 26 | 85 | 49 | 67 | 1 | 3 | 0.05 |
| 27 | 85 | 49 | 67 | 1 | 3 | 0.05 |
| 28 | 84 | 48 | 66 | 2 | 3 | 0.05 |
| 29 | 84 | 48 | 66 | 2 | 3 | 0.05 |
| 30 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 31 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| MTH | 87.0 | 50.6 | 68.8 | 16 | 133 | 1.53 |

**SEPTEMBER**

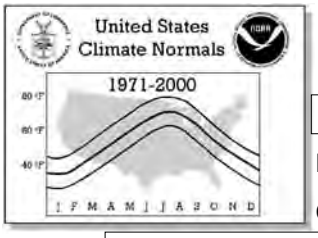
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 2 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 3 | 83 | 46 | 65 | 2 | 2 | 0.04 |
| 4 | 83 | 46 | 64 | 3 | 2 | 0.04 |
| 5 | 83 | 46 | 64 | 3 | 2 | 0.04 |
| 6 | 83 | 45 | 64 | 3 | 2 | 0.04 |
| 7 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 8 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 9 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 10 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 11 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 12 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 13 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 14 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 15 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 16 | 78 | 43 | 61 | 5 | 1 | 0.03 |
| 17 | 78 | 42 | 60 | 5 | 0 | 0.03 |
| 18 | 78 | 42 | 60 | 5 | 0 | 0.03 |
| 19 | 77 | 41 | 59 | 6 | 0 | 0.03 |
| 20 | 77 | 41 | 59 | 6 | 0 | 0.03 |
| 21 | 77 | 41 | 59 | 6 | 0 | 0.03 |
| 22 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 23 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 24 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 25 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 26 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 27 | 75 | 38 | 57 | 8 | 0 | 0.03 |
| 28 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 29 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 30 | 73 | 38 | 56 | 9 | 0 | 0.03 |
| MTH | 78.6 | 42.4 | 60.5 | 156 | 22 | 1.02 |
| AUTUMN SEASON: | 65.6 | 32.0 | 48.9 | 1491 | 23 | 2.96 |
| *ANNUAL:* | 64.4 | 32.1 | 48.3 | 6472 | 409 | 12.05 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 38 | 55 | 10 | 0 | 0.03 |
| 2 | 73 | 38 | 55 | 10 | 0 | 0.03 |
| 3 | 72 | 37 | 54 | 11 | 0 | 0.03 |
| 4 | 72 | 37 | 54 | 11 | 0 | 0.03 |
| 5 | 71 | 36 | 54 | 11 | 0 | 0.03 |
| 6 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 7 | 70 | 35 | 53 | 12 | 0 | 0.03 |
| 8 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 9 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 10 | 69 | 34 | 52 | 13 | 0 | 0.03 |
| 11 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 12 | 68 | 33 | 51 | 14 | 0 | 0.03 |
| 13 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 14 | 67 | 32 | 50 | 15 | 0 | 0.03 |
| 15 | 67 | 32 | 50 | 15 | * | 0.04 |
| 16 | 66 | 32 | 49 | 16 | * | 0.04 |
| 17 | 66 | 31 | 49 | 16 | * | 0.04 |
| 18 | 65 | 31 | 48 | 17 | * | 0.04 |
| 19 | 65 | 31 | 48 | 18 | * | 0.04 |
| 20 | 64 | 30 | 47 | 18 | * | 0.04 |
| 21 | 64 | 30 | 47 | 18 | * | 0.04 |
| 22 | 64 | 30 | 47 | 18 | * | 0.04 |
| 23 | 63 | 29 | 46 | 19 | * | 0.04 |
| 24 | 63 | 29 | 46 | 19 | 0 | 0.04 |
| 25 | 62 | 28 | 45 | 20 | 0 | 0.04 |
| 26 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 27 | 61 | 28 | 45 | 20 | 0 | 0.03 |
| 28 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 29 | 60 | 27 | 44 | 21 | 0 | 0.03 |
| 30 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 31 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| MTH | 66.3 | 31.8 | 49.1 | 494 | 1 | 1.04 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 2 | 58 | 27 | 42 | 23 | 0 | 0.03 |
| 3 | 58 | 27 | 42 | 23 | 0 | 0.03 |
| 4 | 57 | 26 | 41 | 24 | 0 | 0.03 |
| 5 | 57 | 26 | 41 | 24 | 0 | 0.03 |
| 6 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 7 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 8 | 55 | 24 | 40 | 25 | 0 | 0.03 |
| 9 | 55 | 23 | 39 | 26 | 0 | 0.03 |
| 10 | 54 | 23 | 39 | 26 | 0 | 0.03 |
| 11 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 12 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 13 | 53 | 22 | 38 | 27 | 0 | 0.03 |
| 14 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 15 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 16 | 52 | 21 | 37 | 28 | 0 | 0.03 |
| 17 | 51 | 21 | 36 | 29 | 0 | 0.03 |
| 18 | 51 | 21 | 36 | 29 | 0 | 0.03 |
| 19 | 50 | 20 | 35 | 30 | 0 | 0.03 |
| 20 | 50 | 20 | 35 | 30 | 0 | 0.03 |
| 21 | 50 | 20 | 35 | 30 | 0 | 0.03 |
| 22 | 49 | 20 | 35 | 30 | 0 | 0.03 |
| 23 | 49 | 19 | 34 | 31 | 0 | 0.03 |
| 24 | 49 | 19 | 34 | 31 | 0 | 0.03 |
| 25 | 48 | 19 | 34 | 31 | 0 | 0.03 |
| 26 | 48 | 18 | 33 | 32 | 0 | 0.03 |
| 27 | 48 | 18 | 33 | 32 | 0 | 0.03 |
| 28 | 47 | 18 | 33 | 32 | 0 | 0.03 |
| 29 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 30 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| MTH | 52.1 | 21.8 | 37.0 | 841 | 0 | 0.90 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BEAVER UTAH Station Number: 420519

Latitude: 38° 18* 00( Longitude: -112° 39* 00( Elevation (feet): 5940

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.05 | 0.00 | 0.12 | 0.00 | 0.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.06 | 0.00 | 6.36 |
| 0.010 | 0.01 | 0.07 | 0.00 | 0.15 | 0.00 | 0.00 | 0.05 | 0.07 | 0.00 | 0.00 | 0.08 | 0.00 | 6.80 |
| 0.050 | 0.06 | 0.16 | 0.17 | 0.30 | 0.10 | 0.00 | 0.14 | 0.20 | 0.05 | 0.11 | 0.18 | 0.09 | 8.08 |
| 0.100 | 0.11 | 0.23 | 0.32 | 0.41 | 0.22 | 0.00 | 0.22 | 0.33 | 0.13 | 0.23 | 0.26 | 0.18 | 8.83 |
| 0.200 | 0.22 | 0.35 | 0.52 | 0.59 | 0.41 | 0.15 | 0.37 | 0.55 | 0.28 | 0.40 | 0.39 | 0.30 | 9.80 |
| 0.300 | 0.33 | 0.46 | 0.68 | 0.75 | 0.58 | 0.25 | 0.51 | 0.76 | 0.43 | 0.55 | 0.51 | 0.41 | 10.54 |
| 0.400 | 0.46 | 0.58 | 0.85 | 0.90 | 0.75 | 0.36 | 0.67 | 0.98 | 0.59 | 0.71 | 0.63 | 0.51 | 11.20 |
| 0.500 | 0.60 | 0.70 | 1.02 | 1.06 | 0.94 | 0.48 | 0.84 | 1.23 | 0.77 | 0.87 | 0.76 | 0.62 | 11.85 |
| 0.600 | 0.78 | 0.84 | 1.21 | 1.25 | 1.15 | 0.62 | 1.03 | 1.51 | 0.99 | 1.06 | 0.91 | 0.75 | 12.52 |
| 0.700 | 1.00 | 1.00 | 1.44 | 1.46 | 1.41 | 0.79 | 1.28 | 1.86 | 1.25 | 1.29 | 1.09 | 0.89 | 13.26 |
| 0.800 | 1.31 | 1.22 | 1.74 | 1.75 | 1.76 | 1.01 | 1.61 | 2.34 | 1.62 | 1.59 | 1.33 | 1.09 | 14.17 |
| 0.900 | 1.83 | 1.57 | 2.21 | 2.19 | 2.33 | 1.39 | 2.14 | 3.11 | 2.22 | 2.07 | 1.71 | 1.40 | 15.49 |
| 0.950 | 2.34 | 1.91 | 2.65 | 2.61 | 2.88 | 1.75 | 2.66 | 3.86 | 2.81 | 2.54 | 2.07 | 1.70 | 16.64 |
| 0.990 | 3.53 | 2.65 | 3.63 | 3.53 | 4.09 | 2.57 | 3.84 | 5.54 | 4.15 | 3.56 | 2.86 | 2.35 | 18.94 |
| 0.995 | 4.03 | 2.96 | 4.04 | 3.91 | 4.60 | 2.92 | 4.33 | 6.25 | 4.72 | 3.99 | 3.19 | 2.62 | 19.84 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BEAVER CANYON PH UTAH Station Number: 420527

Latitude: 38° 16* 05( Longitude: -112° 28* 53( Elevation (feet): 7275

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.05 |
| 7 | | | | | | 0.05 |
| 8 | | | | | | 0.05 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.53 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.06 |
| 5 | | | | | | 0.06 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.06 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.06 |
| 16 | | | | | | 0.06 |
| 17 | | | | | | 0.06 |
| 18 | | | | | | 0.06 |
| 19 | | | | | | 0.06 |
| 20 | | | | | | 0.06 |
| 21 | | | | | | 0.06 |
| 22 | | | | | | 0.06 |
| 23 | | | | | | 0.06 |
| 24 | | | | | | 0.06 |
| 25 | | | | | | 0.06 |
| 26 | | | | | | 0.06 |
| 27 | | | | | | 0.06 |
| 28 | | | | | | 0.06 |
| 29 | | | | | | 0.06 |
| 30 | | | | | | 0.06 |
| 31 | | | | | | 0.06 |
| MTH | | | | | | 1.86 |
| | | | | | | 5.23 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.06 |
| 5 | | | | | | 0.06 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.06 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.06 |
| 16 | | | | | | 0.07 |
| 17 | | | | | | 0.07 |
| 18 | | | | | | 0.07 |
| 19 | | | | | | 0.07 |
| 20 | | | | | | 0.07 |
| 21 | | | | | | 0.07 |
| 22 | | | | | | 0.07 |
| 23 | | | | | | 0.07 |
| 24 | | | | | | 0.07 |
| 25 | | | | | | 0.07 |
| 26 | | | | | | 0.08 |
| 27 | | | | | | 0.08 |
| 28 | | | | | | 0.08 |
| MTH | | | | | | 1.84 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.08 |
| 2 | | | | | | 0.08 |
| 3 | | | | | | 0.08 |
| 4 | | | | | | 0.08 |
| 5 | | | | | | 0.08 |
| 6 | | | | | | 0.09 |
| 7 | | | | | | 0.09 |
| 8 | | | | | | 0.09 |
| 9 | | | | | | 0.09 |
| 10 | | | | | | 0.09 |
| 11 | | | | | | 0.09 |
| 12 | | | | | | 0.09 |
| 13 | | | | | | 0.09 |
| 14 | | | | | | 0.09 |
| 15 | | | | | | 0.09 |
| 16 | | | | | | 0.09 |
| 17 | | | | | | 0.09 |
| 18 | | | | | | 0.09 |
| 19 | | | | | | 0.09 |
| 20 | | | | | | 0.09 |
| 21 | | | | | | 0.09 |
| 22 | | | | | | 0.09 |
| 23 | | | | | | 0.09 |
| 24 | | | | | | 0.09 |
| 25 | | | | | | 0.09 |
| 26 | | | | | | 0.09 |
| 27 | | | | | | 0.08 |
| 28 | | | | | | 0.08 |
| 29 | | | | | | 0.08 |
| 30 | | | | | | 0.08 |
| 31 | | | | | | 0.08 |
| MTH | | | | | | 2.69 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.08 |
| 2 | | | | | | 0.08 |
| 3 | | | | | | 0.08 |
| 4 | | | | | | 0.07 |
| 5 | | | | | | 0.07 |
| 6 | | | | | | 0.07 |
| 7 | | | | | | 0.07 |
| 8 | | | | | | 0.07 |
| 9 | | | | | | 0.07 |
| 10 | | | | | | 0.07 |
| 11 | | | | | | 0.07 |
| 12 | | | | | | 0.07 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.06 |
| 16 | | | | | | 0.06 |
| 17 | | | | | | 0.06 |
| 18 | | | | | | 0.06 |
| 19 | | | | | | 0.06 |
| 20 | | | | | | 0.06 |
| 21 | | | | | | 0.06 |
| 22 | | | | | | 0.06 |
| 23 | | | | | | 0.06 |
| 24 | | | | | | 0.06 |
| 25 | | | | | | 0.06 |
| 26 | | | | | | 0.06 |
| 27 | | | | | | 0.06 |
| 28 | | | | | | 0.06 |
| 29 | | | | | | 0.06 |
| 30 | | | | | | 0.06 |
| MTH | | | | | | 1.95 |
| | | | | | | 6.43 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.06 |
| 5 | | | | | | 0.06 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.07 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.06 |
| 16 | | | | | | 0.06 |
| 17 | | | | | | 0.06 |
| 18 | | | | | | 0.06 |
| 19 | | | | | | 0.06 |
| 20 | | | | | | 0.06 |
| 21 | | | | | | 0.06 |
| 22 | | | | | | 0.06 |
| 23 | | | | | | 0.06 |
| 24 | | | | | | 0.06 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.79 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BEAVER CANYON PH UTAH Station Number: 420527

Latitude: 38° 16* 05 ( Longitude: -112° 28* 53 ( Elevation (feet): 7275

Climate Division: UT 04 South Central



| JUNE | | | | | | | JULY | | | | | | | AUGUST | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.04 | 1 | | | | | | 0.04 | 1 | | | | | | 0.07 |
| 2 | | | | | | 0.04 | 2 | | | | | | 0.04 | 2 | | | | | | 0.07 |
| 3 | | | | | | 0.04 | 3 | | | | | | 0.04 | 3 | | | | | | 0.07 |
| 4 | | | | | | 0.04 | 4 | | | | | | 0.04 | 4 | | | | | | 0.07 |
| 5 | | | | | | 0.04 | 5 | | | | | | 0.04 | 5 | | | | | | 0.07 |
| 6 | | | | | | 0.03 | 6 | | | | | | 0.04 | 6 | | | | | | 0.07 |
| 7 | | | | | | 0.03 | 7 | | | | | | 0.04 | 7 | | | | | | 0.07 |
| 8 | | | | | | 0.03 | 8 | | | | | | 0.05 | 8 | | | | | | 0.07 |
| 9 | | | | | | 0.03 | 9 | | | | | | 0.05 | 9 | | | | | | 0.07 |
| 10 | | | | | | 0.03 | 10 | | | | | | 0.05 | 10 | | | | | | 0.07 |
| 11 | | | | | | 0.03 | 11 | | | | | | 0.05 | 11 | | | | | | 0.07 |
| 12 | | | | | | 0.03 | 12 | | | | | | 0.05 | 12 | | | | | | 0.07 |
| 13 | | | | | | 0.03 | 13 | | | | | | 0.05 | 13 | | | | | | 0.07 |
| 14 | | | | | | 0.03 | 14 | | | | | | 0.05 | 14 | | | | | | 0.07 |
| 15 | | | | | | 0.03 | 15 | | | | | | 0.05 | 15 | | | | | | 0.07 |
| 16 | | | | | | 0.03 | 16 | | | | | | 0.05 | 16 | | | | | | 0.07 |
| 17 | | | | | | 0.03 | 17 | | | | | | 0.05 | 17 | | | | | | 0.07 |
| 18 | | | | | | 0.03 | 18 | | | | | | 0.06 | 18 | | | | | | 0.07 |
| 19 | | | | | | 0.03 | 19 | | | | | | 0.06 | 19 | | | | | | 0.07 |
| 20 | | | | | | 0.03 | 20 | | | | | | 0.06 | 20 | | | | | | 0.07 |
| 21 | | | | | | 0.03 | 21 | | | | | | 0.06 | 21 | | | | | | 0.07 |
| 22 | | | | | | 0.03 | 22 | | | | | | 0.06 | 22 | | | | | | 0.07 |
| 23 | | | | | | 0.03 | 23 | | | | | | 0.06 | 23 | | | | | | 0.07 |
| 24 | | | | | | 0.03 | 24 | | | | | | 0.06 | 24 | | | | | | 0.07 |
| 25 | | | | | | 0.03 | 25 | | | | | | 0.06 | 25 | | | | | | 0.07 |
| 26 | | | | | | 0.03 | 26 | | | | | | 0.06 | 26 | | | | | | 0.07 |
| 27 | | | | | | 0.03 | 27 | | | | | | 0.06 | 27 | | | | | | 0.07 |
| 28 | | | | | | 0.03 | 28 | | | | | | 0.06 | 28 | | | | | | 0.06 |
| 29 | | | | | | 0.03 | 29 | | | | | | 0.07 | 29 | | | | | | 0.06 |
| 30 | | | | | | 0.03 | 30 | | | | | | 0.07 | 30 | | | | | | 0.06 |
| | | | | | | | 31 | | | | | | 0.07 | 31 | | | | | | 0.06 |
| MTH | | | | | | 0.95 | MTH | | | | | | 1.65 | MTH | | | | | | 2.13 |
| | | | | | SUMMER SEASON: | | | | | | | | 4.73 | | | | | | | |

| SEPTEMBER | | | | | | | OCTOBER | | | | | | | NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.06 | 1 | | | | | | 0.05 | 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 | 2 | | | | | | 0.05 | 2 | | | | | | 0.06 |
| 3 | | | | | | 0.05 | 3 | | | | | | 0.05 | 3 | | | | | | 0.06 |
| 4 | | | | | | 0.05 | 4 | | | | | | 0.06 | 4 | | | | | | 0.06 |
| 5 | | | | | | 0.05 | 5 | | | | | | 0.06 | 5 | | | | | | 0.06 |
| 6 | | | | | | 0.05 | 6 | | | | | | 0.06 | 6 | | | | | | 0.06 |
| 7 | | | | | | 0.05 | 7 | | | | | | 0.06 | 7 | | | | | | 0.06 |
| 8 | | | | | | 0.05 | 8 | | | | | | 0.06 | 8 | | | | | | 0.06 |
| 9 | | | | | | 0.05 | 9 | | | | | | 0.06 | 9 | | | | | | 0.06 |
| 10 | | | | | | 0.05 | 10 | | | | | | 0.06 | 10 | | | | | | 0.06 |
| 11 | | | | | | 0.05 | 11 | | | | | | 0.06 | 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 | 12 | | | | | | 0.06 | 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 | 13 | | | | | | 0.06 | 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 | 14 | | | | | | 0.06 | 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 | 15 | | | | | | 0.06 | 15 | | | | | | 0.05 |
| 16 | | | | | | 0.04 | 16 | | | | | | 0.06 | 16 | | | | | | 0.05 |
| 17 | | | | | | 0.04 | 17 | | | | | | 0.06 | 17 | | | | | | 0.05 |
| 18 | | | | | | 0.04 | 18 | | | | | | 0.06 | 18 | | | | | | 0.05 |
| 19 | | | | | | 0.04 | 19 | | | | | | 0.06 | 19 | | | | | | 0.05 |
| 20 | | | | | | 0.04 | 20 | | | | | | 0.06 | 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 | 21 | | | | | | 0.06 | 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 | 22 | | | | | | 0.06 | 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 | 23 | | | | | | 0.06 | 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 | 24 | | | | | | 0.06 | 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 | 25 | | | | | | 0.06 | 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 | 26 | | | | | | 0.06 | 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 | 27 | | | | | | 0.06 | 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 | 28 | | | | | | 0.06 | 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 | 29 | | | | | | 0.06 | 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 | 30 | | | | | | 0.06 | 30 | | | | | | 0.05 |
| | | | | | | | 31 | | | | | | 0.06 | | | | | | | |
| MTH | | | | | | 1.47 | MTH | | | | | | 1.83 | MTH | | | | | | 1.60 |
| | | | | | AUTUMN SEASON: | | | | | | | | 4.90 | | | | | | | |
| | | | | | *ANNUAL:* | | | | | | | | 21.29 | | | | | | | |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BEAVER CANYON PH UTAH Station Number: 420527

Latitude: 38° 16* 05( Longitude: -112° 28* 53( Elevation (feet): 7275

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.05 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 | 0.00 | 0.00 | 0.11 | 0.00 | 10.71 |
| 0.010 | 0.08 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.06 | 0.00 | 0.00 | 0.15 | 0.00 | 11.50 |
| 0.050 | 0.24 | 0.36 | 0.29 | 0.30 | 0.33 | 0.00 | 0.29 | 0.20 | 0.07 | 0.20 | 0.33 | 0.16 | 13.86 |
| 0.100 | 0.39 | 0.53 | 0.61 | 0.56 | 0.58 | 0.03 | 0.43 | 0.35 | 0.20 | 0.43 | 0.47 | 0.34 | 15.25 |
| 0.200 | 0.66 | 0.80 | 1.06 | 0.89 | 0.88 | 0.13 | 0.67 | 0.64 | 0.42 | 0.73 | 0.71 | 0.59 | 17.05 |
| 0.300 | 0.91 | 1.05 | 1.45 | 1.16 | 1.12 | 0.26 | 0.90 | 0.94 | 0.64 | 1.00 | 0.92 | 0.81 | 18.44 |
| 0.400 | 1.19 | 1.30 | 1.84 | 1.43 | 1.36 | 0.42 | 1.13 | 1.26 | 0.87 | 1.27 | 1.14 | 1.04 | 19.69 |
| 0.500 | 1.49 | 1.56 | 2.27 | 1.71 | 1.60 | 0.60 | 1.38 | 1.63 | 1.13 | 1.55 | 1.37 | 1.28 | 20.90 |
| 0.600 | 1.84 | 1.87 | 2.75 | 2.02 | 1.87 | 0.84 | 1.67 | 2.06 | 1.43 | 1.87 | 1.63 | 1.56 | 22.17 |
| 0.700 | 2.27 | 2.24 | 3.32 | 2.40 | 2.19 | 1.14 | 2.01 | 2.60 | 1.81 | 2.26 | 1.94 | 1.89 | 23.57 |
| 0.800 | 2.85 | 2.72 | 4.09 | 2.88 | 2.60 | 1.57 | 2.48 | 3.34 | 2.33 | 2.78 | 2.36 | 2.33 | 25.29 |
| 0.900 | 3.81 | 3.50 | 5.32 | 3.65 | 3.25 | 2.32 | 3.22 | 4.58 | 3.19 | 3.60 | 3.02 | 3.04 | 27.81 |
| 0.950 | 4.73 | 4.24 | 6.49 | 4.37 | 3.85 | 3.08 | 3.94 | 5.79 | 4.02 | 4.39 | 3.65 | 3.72 | 30.01 |
| 0.990 | 6.81 | 5.87 | 9.08 | 5.95 | 5.14 | 4.85 | 5.52 | 8.55 | 5.92 | 6.12 | 5.04 | 5.23 | 34.43 |
| 0.995 | 7.68 | 6.55 | 10.17 | 6.60 | 5.68 | 5.62 | 6.18 | 9.72 | 6.72 | 6.84 | 5.61 | 5.85 | 36.15 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BLOWHARD MTN RADAR UTAH Station Number: 420757

Latitude: 37° 35* 34( Longitude: -112° 51* 50( Elevation (feet): 10694

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 34 | 16 | 25 | 40 | 0 | 0.08 |
| 2 | 34 | 16 | 25 | 40 | 0 | 0.07 |
| 3 | 33 | 16 | 25 | 40 | 0 | 0.07 |
| 4 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 5 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 6 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 7 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 8 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 9 | 33 | 15 | 24 | 41 | 0 | 0.07 |
| 10 | 32 | 15 | 24 | 41 | 0 | 0.07 |
| 11 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 12 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 13 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 14 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 15 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 16 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 17 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 18 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 19 | 32 | 14 | 23 | 42 | 0 | 0.07 |
| 20 | 31 | 14 | 23 | 42 | 0 | 0.07 |
| 21 | 31 | 13 | 22 | 43 | 0 | 0.07 |
| 22 | 31 | 13 | 22 | 43 | 0 | 0.07 |
| 23 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 24 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 25 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 26 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 27 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 28 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 29 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 30 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| 31 | 31 | 13 | 22 | 43 | 0 | 0.08 |
| MTH | 32.0 | 14.1 | 23.1 | 1300 | 0 | 2.27 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 2 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 3 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 4 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 5 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 6 | 31 | 14 | 22 | 43 | 0 | 0.08 |
| 7 | 31 | 14 | 22 | 43 | 0 | 0.09 |
| 8 | 31 | 14 | 22 | 43 | 0 | 0.09 |
| 9 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 10 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 11 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 12 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 13 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 14 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 15 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 16 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 17 | 30 | 13 | 22 | 43 | 0 | 0.09 |
| 18 | 31 | 13 | 22 | 43 | 0 | 0.09 |
| 19 | 31 | 13 | 22 | 43 | 0 | 0.09 |
| 20 | 31 | 13 | 22 | 43 | 0 | 0.09 |
| 21 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 22 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 23 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 24 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 25 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 26 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 27 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 28 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 29 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 30 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 31 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| MTH | 30.7 | 13.3 | 22.0 | 1333 | 0 | 2.84 |
| | 31.5 | 13.8 | 22.7 | 3809 | 0 | 8.29 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 2 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 3 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 4 | 31 | 13 | 22 | 43 | 0 | 0.10 |
| 5 | 31 | 14 | 22 | 43 | 0 | 0.10 |
| 6 | 31 | 14 | 22 | 43 | 0 | 0.10 |
| 7 | 31 | 14 | 23 | 42 | 0 | 0.11 |
| 8 | 31 | 14 | 23 | 42 | 0 | 0.11 |
| 9 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 10 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 11 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 12 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 13 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 14 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 15 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 16 | 32 | 14 | 23 | 42 | 0 | 0.11 |
| 17 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 18 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 19 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 20 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 21 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 22 | 32 | 14 | 23 | 42 | 0 | 0.12 |
| 23 | 32 | 15 | 24 | 41 | 0 | 0.12 |
| 24 | 33 | 15 | 24 | 41 | 0 | 0.12 |
| 25 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| 26 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| 27 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| 28 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| MTH | 31.9 | 14.1 | 23.0 | 1176 | 0 | 3.18 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| 2 | 33 | 15 | 24 | 41 | 0 | 0.13 |
| 3 | 33 | 15 | 24 | 41 | 0 | 0.14 |
| 4 | 33 | 15 | 24 | 41 | 0 | 0.14 |
| 5 | 33 | 16 | 24 | 41 | 0 | 0.14 |
| 6 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 7 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 8 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 9 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 10 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 11 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 12 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 13 | 34 | 16 | 25 | 40 | 0 | 0.14 |
| 14 | 35 | 16 | 26 | 39 | 0 | 0.14 |
| 15 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 16 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 17 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 18 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 19 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 20 | 35 | 17 | 26 | 39 | 0 | 0.14 |
| 21 | 36 | 17 | 27 | 38 | 0 | 0.14 |
| 22 | 36 | 18 | 27 | 38 | 0 | 0.14 |
| 23 | 36 | 18 | 27 | 38 | 0 | 0.13 |
| 24 | 36 | 18 | 27 | 38 | 0 | 0.13 |
| 25 | 36 | 18 | 27 | 38 | 0 | 0.13 |
| 26 | 37 | 18 | 28 | 37 | 0 | 0.13 |
| 27 | 37 | 18 | 28 | 37 | 0 | 0.13 |
| 28 | 37 | 18 | 28 | 37 | 0 | 0.13 |
| 29 | 38 | 18 | 28 | 37 | 0 | 0.12 |
| 30 | 38 | 18 | 28 | 37 | 0 | 0.12 |
| 31 | 38 | 19 | 29 | 36 | 0 | 0.12 |
| MTH | 35.1 | 16.8 | 26.0 | 1209 | 0 | 4.20 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 19 | 29 | 36 | 0 | 0.12 |
| 2 | 39 | 19 | 29 | 36 | 0 | 0.11 |
| 3 | 39 | 19 | 29 | 36 | 0 | 0.11 |
| 4 | 39 | 20 | 29 | 36 | 0 | 0.11 |
| 5 | 39 | 20 | 29 | 36 | 0 | 0.11 |
| 6 | 40 | 20 | 30 | 35 | 0 | 0.10 |
| 7 | 40 | 20 | 30 | 35 | 0 | 0.10 |
| 8 | 41 | 20 | 30 | 35 | 0 | 0.10 |
| 9 | 41 | 20 | 31 | 34 | 0 | 0.10 |
| 10 | 41 | 21 | 31 | 34 | 0 | 0.10 |
| 11 | 41 | 21 | 31 | 34 | 0 | 0.09 |
| 12 | 41 | 21 | 31 | 34 | 0 | 0.09 |
| 13 | 42 | 21 | 32 | 33 | 0 | 0.09 |
| 14 | 42 | 21 | 32 | 33 | 0 | 0.09 |
| 15 | 42 | 22 | 32 | 33 | 0 | 0.09 |
| 16 | 42 | 22 | 32 | 33 | 0 | 0.08 |
| 17 | 43 | 22 | 33 | 32 | 0 | 0.08 |
| 18 | 43 | 22 | 33 | 32 | 0 | 0.08 |
| 19 | 43 | 23 | 33 | 32 | 0 | 0.08 |
| 20 | 43 | 23 | 33 | 32 | 0 | 0.08 |
| 21 | 43 | 23 | 33 | 32 | 0 | 0.08 |
| 22 | 44 | 23 | 34 | 31 | 0 | 0.08 |
| 23 | 44 | 23 | 34 | 31 | 0 | 0.08 |
| 24 | 44 | 24 | 34 | 31 | 0 | 0.08 |
| 25 | 44 | 24 | 34 | 31 | 0 | 0.07 |
| 26 | 45 | 24 | 35 | 30 | 0 | 0.07 |
| 27 | 45 | 25 | 35 | 30 | 0 | 0.07 |
| 28 | 45 | 25 | 35 | 30 | 0 | 0.07 |
| 29 | 45 | 25 | 35 | 30 | 0 | 0.07 |
| 30 | 46 | 25 | 36 | 29 | 0 | 0.07 |
| MTH | 42.2 | 21.9 | 32.1 | 986 | 0 | 2.65 |
| | 42.7 | 23.1 | 32.9 | 2950 | 0 | 8.59 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 26 | 36 | 29 | 0 | 0.07 |
| 2 | 47 | 26 | 36 | 29 | 0 | 0.07 |
| 3 | 47 | 26 | 36 | 29 | 0 | 0.07 |
| 4 | 47 | 26 | 37 | 28 | 0 | 0.07 |
| 5 | 48 | 27 | 37 | 28 | 0 | 0.07 |
| 6 | 48 | 27 | 37 | 28 | 0 | 0.07 |
| 7 | 48 | 27 | 38 | 27 | 0 | 0.07 |
| 8 | 48 | 28 | 38 | 27 | 0 | 0.07 |
| 9 | 48 | 28 | 38 | 27 | 0 | 0.07 |
| 10 | 48 | 29 | 39 | 26 | 0 | 0.06 |
| 11 | 49 | 29 | 39 | 26 | 0 | 0.06 |
| 12 | 49 | 29 | 39 | 26 | 0 | 0.06 |
| 13 | 49 | 29 | 39 | 26 | 0 | 0.06 |
| 14 | 50 | 30 | 40 | 25 | 0 | 0.06 |
| 15 | 50 | 30 | 40 | 25 | 0 | 0.06 |
| 16 | 50 | 30 | 40 | 25 | 0 | 0.06 |
| 17 | 51 | 31 | 41 | 24 | 0 | 0.06 |
| 18 | 51 | 31 | 41 | 24 | 0 | 0.06 |
| 19 | 51 | 31 | 41 | 24 | 0 | 0.05 |
| 20 | 52 | 32 | 42 | 23 | 0 | 0.05 |
| 21 | 52 | 32 | 42 | 23 | 0 | 0.05 |
| 22 | 53 | 32 | 43 | 22 | 0 | 0.05 |
| 23 | 53 | 33 | 43 | 22 | 0 | 0.05 |
| 24 | 53 | 33 | 43 | 22 | 0 | 0.05 |
| 25 | 54 | 34 | 44 | 21 | 0 | 0.04 |
| 26 | 54 | 34 | 44 | 21 | 0 | 0.04 |
| 27 | 55 | 34 | 45 | 20 | 0 | 0.04 |
| 28 | 55 | 35 | 45 | 20 | 0 | 0.04 |
| 29 | 55 | 35 | 45 | 20 | 0 | 0.04 |
| 30 | 56 | 36 | 46 | 19 | 0 | 0.04 |
| 31 | 56 | 36 | 46 | 19 | 0 | 0.03 |
| MTH | 50.8 | 30.5 | 40.7 | 755 | 0 | 1.74 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BLOWHARD MTN RADAR UTAH Station Number: 420757

Latitude: 37 B 35 * 34 ( Longitude: -112 B 51* 50 ( Elevation (feet): 10694

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 36 | 46 | 19 | 0 | 0.03 |
| 2 | 58 | 36 | 47 | 18 | 0 | 0.03 |
| 3 | 58 | 37 | 47 | 18 | 0 | 0.03 |
| 4 | 58 | 38 | 48 | 17 | 0 | 0.03 |
| 5 | 58 | 38 | 48 | 17 | 0 | 0.03 |
| 6 | 59 | 38 | 49 | 16 | 0 | 0.02 |
| 7 | 59 | 39 | 49 | 16 | 0 | 0.02 |
| 8 | 59 | 39 | 49 | 16 | 0 | 0.02 |
| 9 | 60 | 40 | 50 | 15 | 0 | 0.02 |
| 10 | 60 | 40 | 50 | 15 | 0 | 0.02 |
| 11 | 60 | 40 | 50 | 15 | 0 | 0.02 |
| 12 | 61 | 41 | 51 | 14 | 0 | 0.02 |
| 13 | 61 | 41 | 51 | 14 | 0 | 0.02 |
| 14 | 62 | 41 | 52 | 13 | 0 | 0.02 |
| 15 | 62 | 42 | 52 | 13 | 0 | 0.02 |
| 16 | 62 | 42 | 52 | 13 | 0 | 0.02 |
| 17 | 62 | 42 | 52 | 13 | 0 | 0.02 |
| 18 | 63 | 43 | 53 | 12 | 0 | 0.02 |
| 19 | 63 | 43 | 53 | 12 | 0 | 0.02 |
| 20 | 63 | 43 | 53 | 12 | 0 | 0.02 |
| 21 | 64 | 44 | 54 | 11 | 0 | 0.02 |
| 22 | 64 | 44 | 54 | 11 | 0 | 0.02 |
| 23 | 64 | 44 | 54 | 11 | 0 | 0.02 |
| 24 | 64 | 44 | 54 | 11 | 0 | 0.03 |
| 25 | 65 | 45 | 55 | 10 | 0 | 0.03 |
| 26 | 65 | 45 | 55 | 10 | 0 | 0.03 |
| 27 | 65 | 46 | 56 | 10 | 1 | 0.03 |
| 28 | 65 | 46 | 56 | 10 | 1 | 0.03 |
| 29 | 66 | 46 | 56 | 10 | 1 | 0.03 |
| 30 | 66 | 46 | 56 | 10 | 1 | 0.04 |
| MTH | 61.8 | 41.6 | 51.7 | 402 | 4 | 0.73 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 66 | 47 | 56 | 9 | 0 | 0.04 |
| 2 | 66 | 47 | 56 | 9 | 0 | 0.04 |
| 3 | 66 | 47 | 56 | 9 | 0 | 0.04 |
| 4 | 67 | 47 | 57 | 9 | * | 0.05 |
| 5 | 67 | 48 | 58 | 8 | * | 0.05 |
| 6 | 67 | 48 | 58 | 8 | * | 0.05 |
| 7 | 67 | 48 | 58 | 8 | * | 0.05 |
| 8 | 67 | 48 | 58 | 8 | * | 0.06 |
| 9 | 68 | 48 | 58 | 7 | 0 | 0.06 |
| 10 | 68 | 48 | 58 | 7 | 0 | 0.06 |
| 11 | 68 | 48 | 58 | 7 | 0 | 0.06 |
| 12 | 68 | 48 | 58 | 7 | 0 | 0.06 |
| 13 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 14 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 15 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 16 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 17 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 18 | 68 | 48 | 58 | 7 | 0 | 0.07 |
| 19 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 20 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 21 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 22 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 23 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 24 | 68 | 48 | 58 | 7 | 0 | 0.08 |
| 25 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 26 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 27 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 28 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 29 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 30 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 31 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| MTH | 67.7 | 47.9 | 57.8 | 229 | 5 | 2.15 |
| SUMMER SEASON: | 65.1 | 45.3 | 55.2 | 907 | 9 | 5.76 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 2 | 68 | 48 | 58 | 7 | 0 | 0.09 |
| 3 | 68 | 48 | 58 | 7 | 0 | 0.10 |
| 4 | 68 | 48 | 58 | 7 | 0 | 0.10 |
| 5 | 67 | 48 | 58 | 7 | 0 | 0.10 |
| 6 | 67 | 48 | 58 | 7 | 0 | 0.10 |
| 7 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 8 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 9 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 10 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 11 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 12 | 67 | 48 | 57 | 8 | 0 | 0.10 |
| 13 | 66 | 48 | 57 | 8 | 0 | 0.10 |
| 14 | 66 | 47 | 57 | 8 | 0 | 0.10 |
| 15 | 66 | 46 | 56 | 9 | 0 | 0.10 |
| 16 | 66 | 46 | 56 | 9 | 0 | 0.10 |
| 17 | 66 | 46 | 56 | 9 | 0 | 0.10 |
| 18 | 66 | 46 | 56 | 9 | 0 | 0.10 |
| 19 | 65 | 46 | 56 | 9 | 0 | 0.09 |
| 20 | 65 | 46 | 56 | 9 | 0 | 0.09 |
| 21 | 65 | 45 | 55 | 10 | 0 | 0.09 |
| 22 | 65 | 45 | 55 | 10 | 0 | 0.09 |
| 23 | 65 | 45 | 55 | 10 | 0 | 0.09 |
| 24 | 65 | 45 | 55 | 10 | 0 | 0.09 |
| 25 | 64 | 45 | 55 | 10 | 0 | 0.09 |
| 26 | 64 | 45 | 55 | 10 | 0 | 0.08 |
| 27 | 64 | 44 | 54 | 11 | 0 | 0.08 |
| 28 | 64 | 44 | 54 | 11 | 0 | 0.08 |
| 29 | 64 | 44 | 54 | 11 | 0 | 0.08 |
| 30 | 63 | 44 | 54 | 11 | 0 | 0.08 |
| 31 | 63 | 44 | 53 | 12 | 0 | 0.07 |
| MTH | 65.8 | 46.4 | 56.1 | 276 | 0 | 2.88 |

**SEPTEMBER**

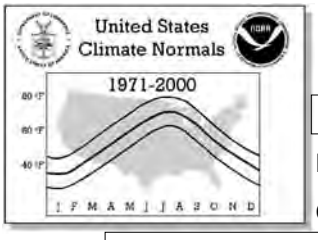
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 44 | 53 | 12 | 0 | 0.07 |
| 2 | 63 | 44 | 53 | 12 | 0 | 0.07 |
| 3 | 63 | 44 | 53 | 12 | 0 | 0.07 |
| 4 | 62 | 44 | 53 | 12 | 0 | 0.07 |
| 5 | 62 | 43 | 52 | 13 | 0 | 0.07 |
| 6 | 62 | 43 | 52 | 13 | 0 | 0.06 |
| 7 | 62 | 42 | 52 | 13 | 0 | 0.06 |
| 8 | 61 | 42 | 52 | 13 | 0 | 0.06 |
| 9 | 61 | 41 | 51 | 14 | 0 | 0.06 |
| 10 | 61 | 41 | 51 | 14 | 0 | 0.06 |
| 11 | 61 | 41 | 51 | 14 | 0 | 0.06 |
| 12 | 60 | 41 | 51 | 14 | 0 | 0.06 |
| 13 | 60 | 40 | 50 | 15 | 0 | 0.05 |
| 14 | 60 | 40 | 50 | 15 | 0 | 0.05 |
| 15 | 60 | 40 | 50 | 15 | 0 | 0.05 |
| 16 | 59 | 40 | 50 | 15 | 0 | 0.05 |
| 17 | 59 | 39 | 49 | 16 | 0 | 0.05 |
| 18 | 59 | 39 | 49 | 16 | 0 | 0.05 |
| 19 | 58 | 39 | 49 | 16 | * | 0.05 |
| 20 | 58 | 38 | 48 | 17 | * | 0.05 |
| 21 | 58 | 38 | 48 | 17 | * | 0.05 |
| 22 | 58 | 38 | 48 | 17 | * | 0.05 |
| 23 | 57 | 38 | 48 | 18 | * | 0.05 |
| 24 | 57 | 37 | 47 | 18 | * | 0.05 |
| 25 | 57 | 37 | 47 | 18 | * | 0.05 |
| 26 | 56 | 37 | 47 | 19 | * | 0.05 |
| 27 | 56 | 36 | 46 | 19 | * | 0.05 |
| 28 | 56 | 36 | 46 | 19 | * | 0.05 |
| 29 | 55 | 36 | 46 | 19 | * | 0.05 |
| 30 | 55 | 35 | 45 | 20 | 0 | 0.05 |
| MTH | 59.3 | 39.8 | 49.6 | 465 | 2 | 1.67 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 55 | 35 | 45 | 20 | 0 | 0.05 |
| 2 | 54 | 35 | 45 | 20 | 0 | 0.06 |
| 3 | 54 | 35 | 44 | 21 | 0 | 0.06 |
| 4 | 54 | 35 | 44 | 21 | 0 | 0.06 |
| 5 | 53 | 34 | 43 | 22 | 0 | 0.06 |
| 6 | 53 | 34 | 43 | 22 | 0 | 0.06 |
| 7 | 52 | 34 | 43 | 22 | 0 | 0.06 |
| 8 | 52 | 33 | 42 | 23 | 0 | 0.06 |
| 9 | 52 | 33 | 42 | 23 | 0 | 0.06 |
| 10 | 51 | 33 | 42 | 23 | 0 | 0.06 |
| 11 | 51 | 32 | 41 | 24 | 0 | 0.06 |
| 12 | 51 | 32 | 41 | 24 | 0 | 0.06 |
| 13 | 50 | 31 | 41 | 24 | 0 | 0.06 |
| 14 | 50 | 30 | 40 | 25 | 0 | 0.07 |
| 15 | 49 | 30 | 40 | 25 | 0 | 0.07 |
| 16 | 49 | 29 | 39 | 26 | 0 | 0.07 |
| 17 | 49 | 29 | 39 | 26 | 0 | 0.07 |
| 18 | 48 | 29 | 39 | 26 | 0 | 0.07 |
| 19 | 48 | 28 | 38 | 27 | 0 | 0.07 |
| 20 | 48 | 28 | 38 | 27 | 0 | 0.07 |
| 21 | 47 | 28 | 38 | 27 | 0 | 0.07 |
| 22 | 47 | 27 | 37 | 28 | 0 | 0.07 |
| 23 | 46 | 27 | 37 | 28 | 0 | 0.07 |
| 24 | 46 | 26 | 36 | 29 | 0 | 0.07 |
| 25 | 46 | 26 | 36 | 29 | 0 | 0.07 |
| 26 | 45 | 26 | 36 | 29 | 0 | 0.07 |
| 27 | 45 | 25 | 35 | 30 | 0 | 0.07 |
| 28 | 44 | 25 | 35 | 30 | 0 | 0.07 |
| 29 | 43 | 25 | 34 | 31 | 0 | 0.07 |
| 30 | 43 | 25 | 34 | 31 | 0 | 0.08 |
| 31 | 43 | 24 | 34 | 31 | 0 | 0.08 |
| MTH | 49.0 | 29.8 | 39.4 | 794 | 0 | 2.05 |
| AUTUMN SEASON: | 48.7 | 29.6 | 39.2 | 2354 | 2 | 6.04 |
| *ANNUAL:* | 47.0 | 27.9 | 37.5 | 10020 | 11 | 28.68 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 23 | 33 | 32 | 0 | 0.07 |
| 2 | 43 | 23 | 33 | 32 | 0 | 0.07 |
| 3 | 42 | 23 | 32 | 33 | 0 | 0.08 |
| 4 | 42 | 23 | 32 | 33 | 0 | 0.08 |
| 5 | 42 | 22 | 32 | 33 | 0 | 0.08 |
| 6 | 41 | 22 | 31 | 34 | 0 | 0.08 |
| 7 | 41 | 22 | 31 | 34 | 0 | 0.08 |
| 8 | 41 | 21 | 31 | 34 | 0 | 0.08 |
| 9 | 39 | 21 | 30 | 35 | 0 | 0.08 |
| 10 | 39 | 21 | 30 | 35 | 0 | 0.08 |
| 11 | 39 | 20 | 30 | 35 | 0 | 0.08 |
| 12 | 38 | 20 | 29 | 36 | 0 | 0.08 |
| 13 | 38 | 20 | 29 | 36 | 0 | 0.08 |
| 14 | 38 | 19 | 29 | 36 | 0 | 0.08 |
| 15 | 37 | 19 | 28 | 37 | 0 | 0.08 |
| 16 | 37 | 19 | 28 | 37 | 0 | 0.08 |
| 17 | 37 | 18 | 28 | 37 | 0 | 0.08 |
| 18 | 37 | 18 | 28 | 37 | 0 | 0.08 |
| 19 | 36 | 18 | 27 | 38 | 0 | 0.08 |
| 20 | 36 | 18 | 27 | 38 | 0 | 0.08 |
| 21 | 36 | 17 | 27 | 38 | 0 | 0.08 |
| 22 | 35 | 17 | 26 | 39 | 0 | 0.08 |
| 23 | 35 | 17 | 26 | 39 | 0 | 0.08 |
| 24 | 35 | 17 | 26 | 39 | 0 | 0.08 |
| 25 | 35 | 17 | 26 | 39 | 0 | 0.07 |
| 26 | 35 | 16 | 26 | 39 | 0 | 0.07 |
| 27 | 34 | 16 | 25 | 40 | 0 | 0.07 |
| 28 | 34 | 16 | 25 | 40 | 0 | 0.07 |
| 29 | 34 | 16 | 25 | 40 | 0 | 0.07 |
| 30 | 34 | 16 | 25 | 40 | 0 | 0.07 |
| MTH | 37.8 | 19.2 | 28.5 | 1095 | 0 | 2.32 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BLOWHARD MTN RADAR UTAH Station Number: 420757

Latitude: 37° 35* 34( Longitude: -112° 51* 50( Elevation (feet): 10694

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.20 | 0.16 | 0.10 | 0.14 | 0.00 | 0.00 | 0.03 | 0.11 | 0.01 | 0.00 | 0.05 | 0.00 | 14.35 |
| 0.010 | 0.27 | 0.23 | 0.16 | 0.20 | 0.00 | 0.00 | 0.05 | 0.16 | 0.02 | 0.00 | 0.08 | 0.00 | 15.41 |
| 0.050 | 0.59 | 0.56 | 0.49 | 0.47 | 0.00 | 0.00 | 0.20 | 0.43 | 0.09 | 0.20 | 0.25 | 0.23 | 18.61 |
| 0.100 | 0.85 | 0.83 | 0.82 | 0.71 | 0.21 | 0.00 | 0.35 | 0.67 | 0.19 | 0.44 | 0.43 | 0.50 | 20.49 |
| 0.200 | 1.27 | 1.30 | 1.40 | 1.09 | 0.53 | 0.13 | 0.64 | 1.08 | 0.39 | 0.78 | 0.75 | 0.88 | 22.94 |
| 0.300 | 1.65 | 1.73 | 1.99 | 1.45 | 0.81 | 0.27 | 0.93 | 1.48 | 0.61 | 1.08 | 1.08 | 1.21 | 24.82 |
| 0.400 | 2.03 | 2.18 | 2.61 | 1.82 | 1.09 | 0.40 | 1.26 | 1.90 | 0.87 | 1.39 | 1.42 | 1.54 | 26.51 |
| 0.500 | 2.44 | 2.66 | 3.31 | 2.22 | 1.40 | 0.55 | 1.63 | 2.35 | 1.17 | 1.71 | 1.81 | 1.90 | 28.15 |
| 0.600 | 2.90 | 3.21 | 4.12 | 2.68 | 1.75 | 0.72 | 2.07 | 2.87 | 1.54 | 2.09 | 2.27 | 2.31 | 29.86 |
| 0.700 | 3.45 | 3.88 | 5.13 | 3.23 | 2.17 | 0.93 | 2.62 | 3.51 | 2.01 | 2.54 | 2.84 | 2.81 | 31.77 |
| 0.800 | 4.18 | 4.77 | 6.50 | 3.96 | 2.74 | 1.21 | 3.37 | 4.37 | 2.67 | 3.14 | 3.61 | 3.46 | 34.11 |
| 0.900 | 5.35 | 6.21 | 8.75 | 5.15 | 3.68 | 1.67 | 4.63 | 5.78 | 3.80 | 4.10 | 4.89 | 4.52 | 37.52 |
| 0.950 | 6.46 | 7.58 | 10.94 | 6.27 | 4.58 | 2.12 | 5.87 | 7.12 | 4.92 | 5.02 | 6.14 | 5.54 | 40.51 |
| 0.990 | 8.90 | 10.63 | 15.89 | 8.78 | 6.60 | 3.13 | 8.68 | 10.14 | 7.53 | 7.07 | 8.96 | 7.78 | 46.52 |
| 0.995 | 9.91 | 11.90 | 17.98 | 9.82 | 7.44 | 3.56 | 9.88 | 11.40 | 8.65 | 7.93 | 10.16 | 8.72 | 48.85 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BOULDER UTAH Station Number: 420849

Latitude: 37° 54* 19( Longitude: -111° 25* 11( Elevation (feet): 6680

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 22 | 34 | 31 | 0 | 0.02 |
| 2 | 45 | 22 | 34 | 31 | 0 | 0.02 |
| 3 | 45 | 22 | 34 | 31 | 0 | 0.02 |
| 4 | 45 | 22 | 33 | 32 | 0 | 0.02 |
| 5 | 45 | 21 | 33 | 32 | 0 | 0.02 |
| 6 | 44 | 21 | 32 | 33 | 0 | 0.02 |
| 7 | 44 | 21 | 32 | 33 | 0 | 0.02 |
| 8 | 44 | 21 | 32 | 33 | 0 | 0.02 |
| 9 | 44 | 21 | 32 | 33 | 0 | 0.02 |
| 10 | 43 | 21 | 32 | 33 | 0 | 0.01 |
| 11 | 42 | 20 | 31 | 34 | 0 | 0.01 |
| 12 | 42 | 20 | 31 | 34 | 0 | 0.01 |
| 13 | 42 | 20 | 31 | 34 | 0 | 0.01 |
| 14 | 42 | 20 | 31 | 34 | 0 | 0.02 |
| 15 | 42 | 20 | 31 | 34 | 0 | 0.02 |
| 16 | 42 | 20 | 31 | 34 | 0 | 0.02 |
| 17 | 42 | 19 | 31 | 34 | 0 | 0.02 |
| 18 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 19 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 20 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 21 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 22 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 23 | 41 | 19 | 30 | 35 | 0 | 0.02 |
| 24 | 41 | 18 | 30 | 35 | 0 | 0.02 |
| 25 | 41 | 18 | 30 | 35 | 0 | 0.02 |
| 26 | 41 | 18 | 30 | 35 | 0 | 0.02 |
| 27 | 40 | 18 | 29 | 36 | 0 | 0.02 |
| 28 | 40 | 18 | 29 | 36 | 0 | 0.02 |
| 29 | 40 | 18 | 29 | 36 | 0 | 0.02 |
| 30 | 40 | 18 | 29 | 36 | 0 | 0.02 |
| 31 | 40 | 18 | 29 | 36 | 0 | 0.02 |
| MTH | 42.2 | 19.7 | 31.0 | 1055 | 0 | 0.58 |
| WINTER SEASON: | | | | | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 2 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 3 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 4 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 5 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 6 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 7 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 8 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 9 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 10 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 11 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 12 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 13 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 14 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 15 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 16 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 17 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 18 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 19 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 20 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 21 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 22 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 23 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 24 | 41 | 18 | 30 | 35 | 0 | 0.04 |
| 25 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 26 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 27 | 41 | 19 | 30 | 35 | 0 | 0.03 |
| 28 | 41 | 19 | 30 | 35 | 0 | 0.03 |
| 29 | 41 | 19 | 30 | 35 | 0 | 0.03 |
| 30 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| 31 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| MTH | 40.7 | 18.1 | 29.4 | 1104 | 0 | 0.96 |
| | 42.7 | 20.0 | 31.4 | 3033 | 0 | 2.45 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 2 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 3 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 4 | 43 | 21 | 32 | 33 | 0 | 0.03 |
| 5 | 43 | 21 | 32 | 33 | 0 | 0.03 |
| 6 | 44 | 21 | 32 | 33 | 0 | 0.03 |
| 7 | 44 | 21 | 32 | 33 | 0 | 0.03 |
| 8 | 44 | 21 | 32 | 33 | 0 | 0.03 |
| 9 | 44 | 21 | 33 | 32 | 0 | 0.03 |
| 10 | 44 | 21 | 33 | 32 | 0 | 0.03 |
| 11 | 44 | 21 | 33 | 32 | 0 | 0.03 |
| 12 | 45 | 22 | 33 | 32 | 0 | 0.03 |
| 13 | 45 | 22 | 33 | 32 | 0 | 0.03 |
| 14 | 45 | 22 | 34 | 31 | 0 | 0.03 |
| 15 | 45 | 22 | 34 | 31 | 0 | 0.03 |
| 16 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 17 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 18 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 19 | 46 | 23 | 35 | 30 | 0 | 0.03 |
| 20 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 21 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 22 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 23 | 47 | 24 | 36 | 29 | 0 | 0.04 |
| 24 | 47 | 24 | 36 | 29 | 0 | 0.04 |
| 25 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 26 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 27 | 48 | 25 | 37 | 28 | 0 | 0.04 |
| 28 | 48 | 25 | 37 | 28 | 0 | 0.04 |
| MTH | 45.3 | 22.3 | 33.8 | 874 | 0 | 0.91 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 49 | 26 | 37 | 28 | 0 | 0.03 |
| 2 | 49 | 26 | 37 | 28 | 0 | 0.03 |
| 3 | 49 | 26 | 38 | 27 | 0 | 0.04 |
| 4 | 50 | 26 | 38 | 27 | 0 | 0.04 |
| 5 | 50 | 26 | 38 | 27 | 0 | 0.04 |
| 6 | 50 | 27 | 38 | 27 | 0 | 0.04 |
| 7 | 50 | 27 | 39 | 26 | 0 | 0.04 |
| 8 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 9 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 10 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 11 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 12 | 52 | 28 | 40 | 25 | 0 | 0.04 |
| 13 | 52 | 28 | 40 | 25 | 0 | 0.04 |
| 14 | 52 | 28 | 40 | 25 | 0 | 0.04 |
| 15 | 52 | 28 | 40 | 25 | 0 | 0.03 |
| 16 | 53 | 29 | 41 | 24 | 0 | 0.03 |
| 17 | 53 | 29 | 41 | 24 | 0 | 0.03 |
| 18 | 53 | 29 | 41 | 24 | 0 | 0.03 |
| 19 | 53 | 29 | 41 | 24 | 0 | 0.03 |
| 20 | 54 | 29 | 42 | 23 | 0 | 0.03 |
| 21 | 54 | 30 | 42 | 23 | 0 | 0.03 |
| 22 | 54 | 30 | 42 | 23 | 0 | 0.03 |
| 23 | 54 | 30 | 42 | 23 | 0 | 0.03 |
| 24 | 54 | 30 | 42 | 23 | 0 | 0.03 |
| 25 | 55 | 30 | 43 | 22 | 0 | 0.03 |
| 26 | 55 | 30 | 43 | 22 | 0 | 0.03 |
| 27 | 56 | 30 | 43 | 22 | 0 | 0.03 |
| 28 | 56 | 30 | 43 | 22 | 0 | 0.03 |
| 29 | 56 | 31 | 44 | 21 | 0 | 0.02 |
| 30 | 56 | 31 | 44 | 21 | 0 | 0.02 |
| 31 | 57 | 31 | 44 | 21 | 0 | 0.02 |
| MTH | 52.7 | 28.5 | 40.6 | 756 | 0 | 1.02 |
| SPRING SEASON: | | | | | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 31 | 44 | 21 | 0 | 0.02 |
| 2 | 57 | 32 | 44 | 21 | 0 | 0.02 |
| 3 | 58 | 32 | 45 | 20 | 0 | 0.02 |
| 4 | 58 | 32 | 45 | 20 | 0 | 0.02 |
| 5 | 59 | 32 | 45 | 20 | 0 | 0.02 |
| 6 | 59 | 32 | 45 | 20 | 0 | 0.02 |
| 7 | 59 | 33 | 46 | 19 | 0 | 0.02 |
| 8 | 59 | 33 | 46 | 19 | 0 | 0.02 |
| 9 | 59 | 33 | 46 | 19 | 0 | 0.02 |
| 10 | 59 | 33 | 46 | 19 | 0 | 0.02 |
| 11 | 60 | 33 | 47 | 18 | 0 | 0.01 |
| 12 | 60 | 34 | 47 | 18 | 0 | 0.01 |
| 13 | 60 | 34 | 47 | 18 | 0 | 0.01 |
| 14 | 60 | 34 | 47 | 18 | 0 | 0.01 |
| 15 | 60 | 34 | 47 | 18 | 0 | 0.01 |
| 16 | 61 | 34 | 48 | 17 | 0 | 0.01 |
| 17 | 61 | 35 | 48 | 17 | 0 | 0.01 |
| 18 | 61 | 35 | 48 | 17 | 0 | 0.01 |
| 19 | 61 | 35 | 48 | 17 | 0 | 0.01 |
| 20 | 62 | 35 | 49 | 16 | 0 | 0.01 |
| 21 | 62 | 36 | 49 | 16 | 0 | 0.01 |
| 22 | 62 | 36 | 49 | 16 | 0 | 0.02 |
| 23 | 62 | 36 | 49 | 16 | 0 | 0.02 |
| 24 | 63 | 36 | 50 | 15 | 0 | 0.02 |
| 25 | 63 | 37 | 50 | 15 | 0 | 0.02 |
| 26 | 63 | 37 | 50 | 15 | 0 | 0.02 |
| 27 | 63 | 37 | 50 | 15 | 0 | 0.02 |
| 28 | 64 | 37 | 51 | 14 | 0 | 0.02 |
| 29 | 64 | 38 | 51 | 14 | 0 | 0.02 |
| 30 | 64 | 38 | 51 | 14 | 0 | 0.02 |
| MTH | 60.7 | 34.5 | 47.6 | 522 | 0 | 0.49 |
| | 60.8 | 35.1 | 48.0 | 1576 | 12 | 2.28 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 65 | 38 | 51 | 14 | 0 | 0.02 |
| 2 | 66 | 38 | 52 | 13 | 0 | 0.02 |
| 3 | 66 | 39 | 52 | 13 | 0 | 0.02 |
| 4 | 66 | 39 | 52 | 13 | 0 | 0.02 |
| 5 | 66 | 39 | 52 | 13 | 0 | 0.02 |
| 6 | 67 | 39 | 53 | 12 | 0 | 0.02 |
| 7 | 67 | 40 | 53 | 12 | 0 | 0.03 |
| 8 | 67 | 40 | 53 | 12 | 0 | 0.03 |
| 9 | 67 | 40 | 54 | 11 | 0 | 0.03 |
| 10 | 67 | 41 | 54 | 11 | 0 | 0.03 |
| 11 | 67 | 41 | 54 | 11 | 0 | 0.03 |
| 12 | 68 | 41 | 54 | 11 | 0 | 0.03 |
| 13 | 68 | 41 | 55 | 10 | 0 | 0.03 |
| 14 | 68 | 42 | 55 | 10 | 0 | 0.03 |
| 15 | 68 | 42 | 55 | 10 | 0 | 0.03 |
| 16 | 69 | 42 | 56 | 9 | 0 | 0.03 |
| 17 | 69 | 43 | 56 | 9 | 0 | 0.03 |
| 18 | 69 | 43 | 56 | 9 | 0 | 0.03 |
| 19 | 69 | 43 | 56 | 9 | 0 | 0.03 |
| 20 | 70 | 44 | 57 | 9 | 1 | 0.03 |
| 21 | 70 | 44 | 57 | 9 | 1 | 0.03 |
| 22 | 71 | 44 | 58 | 8 | 1 | 0.02 |
| 23 | 71 | 45 | 58 | 8 | 1 | 0.02 |
| 24 | 71 | 45 | 58 | 8 | 1 | 0.02 |
| 25 | 72 | 45 | 59 | 7 | 1 | 0.02 |
| 26 | 72 | 46 | 59 | 7 | 1 | 0.02 |
| 27 | 72 | 46 | 59 | 7 | 1 | 0.02 |
| 28 | 73 | 46 | 60 | 6 | 1 | 0.02 |
| 29 | 73 | 47 | 60 | 6 | 1 | 0.02 |
| 30 | 73 | 47 | 60 | 6 | 1 | 0.02 |
| 31 | 74 | 47 | 61 | 5 | 1 | 0.02 |
| MTH | 69.1 | 42.5 | 55.8 | 298 | 12 | 0.77 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BOULDER UTAH Station Number: 420849

Latitude: 37 B 54 * 19 ( Longitude: -111 B 25 * 11 ( Elevation (feet): 6680

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 49 | 62 | 5 | 2 | 0.02 |
| 2 | 76 | 49 | 62 | 5 | 2 | 0.01 |
| 3 | 76 | 49 | 62 | 5 | 2 | 0.01 |
| 4 | 76 | 49 | 62 | 5 | 2 | 0.01 |
| 5 | 76 | 49 | 63 | 4 | 2 | 0.01 |
| 6 | 77 | 49 | 63 | 4 | 2 | 0.01 |
| 7 | 77 | 50 | 63 | 4 | 2 | 0.01 |
| 8 | 77 | 50 | 63 | 4 | 2 | 0.01 |
| 9 | 78 | 50 | 64 | 4 | 3 | 0.01 |
| 10 | 78 | 51 | 65 | 3 | 3 | 0.01 |
| 11 | 78 | 51 | 65 | 3 | 3 | 0.01 |
| 12 | 79 | 51 | 65 | 3 | 3 | 0.01 |
| 13 | 79 | 51 | 65 | 3 | 3 | 0.01 |
| 14 | 79 | 52 | 66 | 2 | 3 | 0.01 |
| 15 | 80 | 52 | 66 | 2 | 3 | 0.01 |
| 16 | 80 | 52 | 66 | 2 | 3 | 0.01 |
| 17 | 80 | 53 | 67 | 2 | 4 | 0.01 |
| 18 | 80 | 53 | 67 | 2 | 4 | 0.01 |
| 19 | 81 | 53 | 67 | 2 | 4 | 0.01 |
| 20 | 81 | 54 | 68 | 1 | 4 | 0.01 |
| 21 | 81 | 54 | 68 | 1 | 4 | 0.01 |
| 22 | 82 | 54 | 68 | 1 | 4 | 0.01 |
| 23 | 82 | 55 | 69 | 1 | 5 | 0.01 |
| 24 | 82 | 55 | 69 | 1 | 5 | 0.01 |
| 25 | 82 | 55 | 69 | 1 | 5 | 0.01 |
| 26 | 82 | 56 | 69 | 1 | 5 | 0.01 |
| 27 | 82 | 56 | 69 | 1 | 5 | 0.01 |
| 28 | 82 | 56 | 69 | 1 | 5 | 0.01 |
| 29 | 83 | 56 | 70 | 1 | 6 | 0.02 |
| 30 | 83 | 57 | 70 | 1 | 6 | 0.02 |
| MTH | 79.5 | 52.4 | 66.0 | 75 | 106 | 0.33 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 57 | 70 | 1 | 6 | 0.02 |
| 2 | 84 | 57 | 70 | 1 | 6 | 0.02 |
| 3 | 84 | 57 | 70 | 1 | 6 | 0.02 |
| 4 | 84 | 57 | 71 | 1 | 7 | 0.02 |
| 5 | 84 | 58 | 71 | 1 | 7 | 0.02 |
| 6 | 84 | 58 | 71 | 1 | 7 | 0.02 |
| 7 | 84 | 58 | 71 | 1 | 7 | 0.03 |
| 8 | 85 | 58 | 72 | 0 | 7 | 0.03 |
| 9 | 85 | 58 | 72 | 0 | 7 | 0.03 |
| 10 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 11 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 12 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 13 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 14 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 15 | 85 | 59 | 72 | 0 | 7 | 0.03 |
| 16 | 85 | 59 | 72 | 0 | 7 | 0.04 |
| 17 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 18 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 19 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 20 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 21 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 22 | 85 | 60 | 73 | 0 | 8 | 0.04 |
| 23 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 24 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 25 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 26 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 27 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 28 | 85 | 60 | 72 | 0 | 7 | 0.04 |
| 29 | 85 | 60 | 72 | 0 | 7 | 0.05 |
| 30 | 85 | 60 | 72 | 0 | 7 | 0.05 |
| 31 | 85 | 59 | 72 | 0 | 7 | 0.05 |
| MTH | 84.8 | 59.0 | 71.9 | 7 | 220 | 1.06 |
| SUMMER SEASON: | 82.1 | 56.3 | 69.2 | 90 | 482 | 2.89 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 85 | 59 | 72 | 0 | 7 | 0.04 |
| 2 | 85 | 59 | 72 | 0 | 7 | 0.05 |
| 3 | 85 | 59 | 72 | 0 | 7 | 0.05 |
| 4 | 85 | 59 | 72 | 0 | 7 | 0.05 |
| 5 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 6 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 7 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 8 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 9 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 10 | 84 | 59 | 71 | 0 | 6 | 0.05 |
| 11 | 84 | 58 | 71 | 0 | 6 | 0.05 |
| 12 | 84 | 58 | 71 | 0 | 6 | 0.05 |
| 13 | 82 | 58 | 70 | 0 | 5 | 0.05 |
| 14 | 82 | 58 | 70 | 0 | 5 | 0.05 |
| 15 | 82 | 58 | 70 | 0 | 5 | 0.05 |
| 16 | 82 | 58 | 70 | 0 | 5 | 0.05 |
| 17 | 82 | 57 | 70 | 0 | 5 | 0.05 |
| 18 | 82 | 57 | 70 | 0 | 5 | 0.05 |
| 19 | 82 | 57 | 70 | 0 | 5 | 0.05 |
| 20 | 82 | 57 | 70 | 0 | 5 | 0.05 |
| 21 | 81 | 57 | 69 | 0 | 4 | 0.05 |
| 22 | 81 | 57 | 69 | 0 | 4 | 0.05 |
| 23 | 81 | 56 | 69 | 0 | 4 | 0.05 |
| 24 | 80 | 56 | 68 | 1 | 4 | 0.05 |
| 25 | 80 | 56 | 68 | 1 | 4 | 0.05 |
| 26 | 80 | 56 | 68 | 1 | 4 | 0.05 |
| 27 | 80 | 55 | 68 | 1 | 4 | 0.05 |
| 28 | 79 | 55 | 67 | 1 | 3 | 0.04 |
| 29 | 79 | 55 | 67 | 1 | 3 | 0.04 |
| 30 | 79 | 55 | 67 | 1 | 3 | 0.04 |
| 31 | 79 | 54 | 67 | 1 | 3 | 0.04 |
| MTH | 82.2 | 57.4 | 69.8 | 8 | 156 | 1.50 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 54 | 67 | 1 | 3 | 0.04 |
| 2 | 79 | 54 | 66 | 2 | 3 | 0.04 |
| 3 | 79 | 54 | 66 | 2 | 3 | 0.04 |
| 4 | 78 | 53 | 65 | 2 | 2 | 0.04 |
| 5 | 78 | 53 | 65 | 2 | 2 | 0.04 |
| 6 | 78 | 53 | 65 | 2 | 2 | 0.04 |
| 7 | 77 | 53 | 65 | 2 | 2 | 0.04 |
| 8 | 77 | 53 | 65 | 2 | 2 | 0.04 |
| 9 | 76 | 53 | 64 | 3 | 2 | 0.04 |
| 10 | 76 | 53 | 64 | 3 | 2 | 0.04 |
| 11 | 76 | 52 | 64 | 3 | 2 | 0.04 |
| 12 | 76 | 51 | 63 | 3 | 1 | 0.04 |
| 13 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 14 | 75 | 50 | 63 | 3 | 1 | 0.04 |
| 15 | 75 | 50 | 63 | 3 | 1 | 0.04 |
| 16 | 74 | 50 | 62 | 4 | 1 | 0.04 |
| 17 | 74 | 50 | 62 | 4 | 1 | 0.04 |
| 18 | 74 | 49 | 62 | 4 | 1 | 0.04 |
| 19 | 74 | 48 | 61 | 5 | 1 | 0.04 |
| 20 | 74 | 48 | 61 | 5 | 1 | 0.04 |
| 21 | 73 | 48 | 61 | 5 | 1 | 0.04 |
| 22 | 73 | 48 | 61 | 5 | 1 | 0.04 |
| 23 | 73 | 47 | 60 | 6 | 1 | 0.04 |
| 24 | 72 | 47 | 60 | 6 | 1 | 0.04 |
| 25 | 72 | 47 | 60 | 6 | 1 | 0.04 |
| 26 | 72 | 47 | 60 | 6 | 1 | 0.04 |
| 27 | 71 | 46 | 59 | 6 | 0 | 0.04 |
| 28 | 71 | 45 | 58 | 7 | 0 | 0.04 |
| 29 | 71 | 45 | 58 | 7 | 0 | 0.04 |
| 30 | 70 | 45 | 58 | 7 | 0 | 0.04 |
| MTH | 74.8 | 49.9 | 62.4 | 119 | 40 | 1.20 |
| AUTUMN SEASON: | 62.8 | 38.9 | 50.9 | 1332 | 50 | 3.20 |
| *ANNUAL:* | 62.1 | 37.6 | 49.9 | 6031 | 544 | 10.82 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 70 | 45 | 58 | 8 | 1 | 0.04 |
| 2 | 70 | 45 | 58 | 9 | 2 | 0.04 |
| 3 | 70 | 45 | 58 | 9 | 2 | 0.04 |
| 4 | 70 | 45 | 57 | 9 | 1 | 0.04 |
| 5 | 69 | 44 | 56 | 10 | 1 | 0.04 |
| 6 | 68 | 44 | 56 | 10 | 1 | 0.04 |
| 7 | 68 | 43 | 55 | 10 | 0 | 0.04 |
| 8 | 68 | 42 | 55 | 10 | 0 | 0.04 |
| 9 | 67 | 42 | 55 | 10 | 0 | 0.04 |
| 10 | 66 | 42 | 54 | 11 | 0 | 0.04 |
| 11 | 66 | 42 | 54 | 11 | 0 | 0.04 |
| 12 | 66 | 41 | 54 | 11 | 0 | 0.04 |
| 13 | 65 | 41 | 53 | 12 | 0 | 0.04 |
| 14 | 65 | 41 | 53 | 12 | 0 | 0.04 |
| 15 | 64 | 40 | 52 | 13 | 0 | 0.04 |
| 16 | 64 | 40 | 52 | 13 | 0 | 0.04 |
| 17 | 64 | 39 | 52 | 13 | 0 | 0.04 |
| 18 | 63 | 39 | 51 | 14 | 0 | 0.04 |
| 19 | 63 | 39 | 51 | 14 | 0 | 0.04 |
| 20 | 62 | 38 | 50 | 15 | 0 | 0.04 |
| 21 | 62 | 38 | 50 | 15 | 0 | 0.04 |
| 22 | 61 | 37 | 49 | 16 | 0 | 0.04 |
| 23 | 61 | 37 | 49 | 16 | 0 | 0.04 |
| 24 | 60 | 36 | 48 | 17 | 0 | 0.04 |
| 25 | 60 | 36 | 48 | 17 | 0 | 0.04 |
| 26 | 59 | 35 | 47 | 18 | 0 | 0.04 |
| 27 | 59 | 35 | 47 | 18 | 0 | 0.04 |
| 28 | 58 | 34 | 46 | 19 | 0 | 0.04 |
| 29 | 58 | 34 | 46 | 19 | 0 | 0.03 |
| 30 | 57 | 34 | 46 | 19 | 0 | 0.03 |
| 31 | 57 | 33 | 45 | 20 | 0 | 0.03 |
| MTH | 63.9 | 39.6 | 51.8 | 418 | 8 | 1.21 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 33 | 45 | 21 | 1 | 0.03 |
| 2 | 56 | 33 | 45 | 21 | 1 | 0.03 |
| 3 | 55 | 32 | 43 | 22 | 0 | 0.03 |
| 4 | 55 | 32 | 43 | 22 | 0 | 0.03 |
| 5 | 55 | 31 | 43 | 22 | 0 | 0.03 |
| 6 | 55 | 30 | 42 | 23 | 0 | 0.03 |
| 7 | 55 | 30 | 42 | 23 | 0 | 0.03 |
| 8 | 54 | 29 | 41 | 24 | 0 | 0.03 |
| 9 | 52 | 29 | 41 | 24 | 0 | 0.03 |
| 10 | 51 | 29 | 40 | 25 | 0 | 0.03 |
| 11 | 51 | 29 | 40 | 25 | 0 | 0.03 |
| 12 | 51 | 28 | 40 | 25 | 0 | 0.03 |
| 13 | 50 | 28 | 39 | 26 | 0 | 0.03 |
| 14 | 50 | 27 | 39 | 26 | 0 | 0.03 |
| 15 | 49 | 27 | 38 | 27 | 0 | 0.03 |
| 16 | 49 | 27 | 38 | 27 | 0 | 0.03 |
| 17 | 49 | 26 | 38 | 27 | 0 | 0.03 |
| 18 | 48 | 26 | 37 | 28 | 0 | 0.03 |
| 19 | 48 | 26 | 37 | 28 | 0 | 0.03 |
| 20 | 48 | 25 | 37 | 28 | 0 | 0.02 |
| 21 | 47 | 25 | 36 | 29 | 0 | 0.02 |
| 22 | 47 | 25 | 36 | 29 | 0 | 0.02 |
| 23 | 47 | 24 | 36 | 29 | 0 | 0.02 |
| 24 | 46 | 24 | 35 | 30 | 0 | 0.02 |
| 25 | 46 | 24 | 35 | 30 | 0 | 0.02 |
| 26 | 46 | 24 | 35 | 30 | 0 | 0.02 |
| 27 | 45 | 23 | 34 | 31 | 0 | 0.02 |
| 28 | 45 | 23 | 34 | 31 | 0 | 0.02 |
| 29 | 45 | 23 | 34 | 31 | 0 | 0.02 |
| 30 | 45 | 23 | 34 | 31 | 0 | 0.02 |
| MTH | 49.9 | 27.2 | 38.6 | 795 | 2 | 0.79 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BOULDER UTAH Station Number: 420849

Latitude: 37° 54* 19( Longitude: -111° 25* 11( Elevation (feet): 6680

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 4.86 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 5.28 |
| 0.050 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.21 | 0.06 | 0.00 | 0.00 | 0.00 | 6.57 |
| 0.100 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.33 | 0.13 | 0.00 | 0.00 | 0.00 | 7.35 |
| 0.200 | 0.19 | 0.22 | 0.09 | 0.02 | 0.14 | 0.05 | 0.31 | 0.55 | 0.27 | 0.23 | 0.06 | 0.07 | 8.36 |
| 0.300 | 0.32 | 0.36 | 0.24 | 0.10 | 0.27 | 0.10 | 0.46 | 0.75 | 0.43 | 0.43 | 0.18 | 0.16 | 9.15 |
| 0.400 | 0.47 | 0.51 | 0.42 | 0.19 | 0.40 | 0.17 | 0.62 | 0.97 | 0.62 | 0.64 | 0.32 | 0.27 | 9.87 |
| 0.500 | 0.65 | 0.68 | 0.64 | 0.30 | 0.55 | 0.24 | 0.80 | 1.21 | 0.83 | 0.88 | 0.48 | 0.39 | 10.57 |
| 0.600 | 0.88 | 0.89 | 0.90 | 0.43 | 0.73 | 0.32 | 1.02 | 1.49 | 1.10 | 1.16 | 0.69 | 0.54 | 11.30 |
| 0.700 | 1.16 | 1.13 | 1.24 | 0.60 | 0.96 | 0.42 | 1.29 | 1.83 | 1.45 | 1.51 | 0.95 | 0.73 | 12.12 |
| 0.800 | 1.56 | 1.47 | 1.73 | 0.84 | 1.26 | 0.56 | 1.66 | 2.29 | 1.93 | 1.98 | 1.34 | 0.99 | 13.13 |
| 0.900 | 2.25 | 2.04 | 2.56 | 1.24 | 1.78 | 0.79 | 2.29 | 3.04 | 2.76 | 2.77 | 1.99 | 1.42 | 14.62 |
| 0.950 | 2.94 | 2.60 | 3.39 | 1.65 | 2.29 | 1.02 | 2.91 | 3.76 | 3.59 | 3.55 | 2.64 | 1.85 | 15.92 |
| 0.990 | 4.55 | 3.87 | 5.34 | 2.58 | 3.45 | 1.54 | 4.31 | 5.38 | 5.51 | 5.33 | 4.18 | 2.84 | 18.58 |
| 0.995 | 5.24 | 4.41 | 6.18 | 2.98 | 3.94 | 1.76 | 4.91 | 6.06 | 6.34 | 6.08 | 4.85 | 3.27 | 19.62 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BRYCE CANYON NATL PK HDQ UTAH Station Number: 421008

Latitude: 37° 38* 28( Longitude: -112° 10* 08( Elevation (feet): 7915

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 2 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 3 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 4 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 5 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 6 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 7 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 8 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 9 | 36 | 10 | 23 | 42 | 0 | 0.03 |
| 10 | 36 | 10 | 23 | 42 | 0 | 0.03 |
| 11 | 36 | 10 | 23 | 42 | 0 | 0.03 |
| 12 | 35 | 10 | 23 | 42 | 0 | 0.03 |
| 13 | 35 | 10 | 23 | 42 | 0 | 0.03 |
| 14 | 35 | 10 | 23 | 42 | 0 | 0.03 |
| 15 | 35 | 9 | 22 | 43 | 0 | 0.03 |
| 16 | 35 | 9 | 22 | 43 | 0 | 0.03 |
| 17 | 35 | 9 | 22 | 43 | 0 | 0.03 |
| 18 | 35 | 9 | 22 | 43 | 0 | 0.03 |
| 19 | 35 | 9 | 22 | 43 | 0 | 0.03 |
| 20 | 34 | 9 | 22 | 43 | 0 | 0.03 |
| 21 | 34 | 9 | 22 | 43 | 0 | 0.03 |
| 22 | 34 | 9 | 22 | 43 | 0 | 0.03 |
| 23 | 34 | 9 | 22 | 43 | 0 | 0.03 |
| 24 | 34 | 9 | 22 | 43 | 0 | 0.03 |
| 25 | 34 | 9 | 21 | 44 | 0 | 0.03 |
| 26 | 34 | 9 | 21 | 44 | 0 | 0.03 |
| 27 | 34 | 9 | 21 | 44 | 0 | 0.03 |
| 28 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 29 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 30 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 31 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| MTH | 35.1 | 10.0 | 22.6 | 1315 | 0 | 0.97 |
| WINTER SEASON: | | | | | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 2 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 3 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 4 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 5 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 6 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 7 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 8 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 9 | 34 | 9 | 21 | 44 | 0 | 0.04 |
| 10 | 34 | 9 | 21 | 44 | 0 | 0.05 |
| 11 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 12 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 13 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 14 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 15 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 16 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 17 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 18 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 19 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 20 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 21 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 22 | 34 | 9 | 22 | 43 | 0 | 0.05 |
| 23 | 34 | 10 | 22 | 43 | 0 | 0.05 |
| 24 | 34 | 10 | 22 | 43 | 0 | 0.05 |
| 25 | 34 | 10 | 22 | 43 | 0 | 0.05 |
| 26 | 34 | 10 | 22 | 43 | 0 | 0.05 |
| 27 | 34 | 10 | 22 | 43 | 0 | 0.05 |
| 28 | 34 | 10 | 22 | 43 | 0 | 0.06 |
| 29 | 34 | 10 | 22 | 43 | 0 | 0.06 |
| 30 | 35 | 10 | 22 | 43 | 0 | 0.06 |
| 31 | 35 | 10 | 22 | 43 | 0 | 0.06 |
| MTH | 34.1 | 9.3 | 21.7 | 1343 | 0 | 1.50 |
| WINTER SEASON: | 35.2 | 10.4 | 22.9 | 3798 | 0 | 4.13 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 35 | 10 | 23 | 42 | 0 | 0.05 |
| 2 | 35 | 10 | 23 | 42 | 0 | 0.05 |
| 3 | 36 | 10 | 23 | 42 | 0 | 0.06 |
| 4 | 36 | 10 | 23 | 42 | 0 | 0.06 |
| 5 | 36 | 10 | 23 | 42 | 0 | 0.06 |
| 6 | 36 | 11 | 23 | 42 | 0 | 0.06 |
| 7 | 36 | 11 | 23 | 42 | 0 | 0.06 |
| 8 | 36 | 11 | 23 | 42 | 0 | 0.06 |
| 9 | 36 | 11 | 23 | 42 | 0 | 0.06 |
| 10 | 36 | 11 | 23 | 42 | 0 | 0.06 |
| 11 | 36 | 11 | 24 | 41 | 0 | 0.06 |
| 12 | 36 | 11 | 24 | 41 | 0 | 0.06 |
| 13 | 36 | 12 | 24 | 41 | 0 | 0.06 |
| 14 | 36 | 12 | 24 | 41 | 0 | 0.06 |
| 15 | 36 | 12 | 24 | 41 | 0 | 0.06 |
| 16 | 36 | 12 | 24 | 41 | 0 | 0.06 |
| 17 | 36 | 12 | 24 | 41 | 0 | 0.06 |
| 18 | 37 | 12 | 25 | 40 | 0 | 0.06 |
| 19 | 37 | 13 | 25 | 40 | 0 | 0.06 |
| 20 | 37 | 13 | 25 | 40 | 0 | 0.06 |
| 21 | 37 | 13 | 25 | 40 | 0 | 0.06 |
| 22 | 37 | 13 | 25 | 40 | 0 | 0.06 |
| 23 | 38 | 13 | 26 | 39 | 0 | 0.06 |
| 24 | 38 | 14 | 26 | 39 | 0 | 0.06 |
| 25 | 38 | 14 | 26 | 39 | 0 | 0.06 |
| 26 | 38 | 14 | 26 | 39 | 0 | 0.06 |
| 27 | 38 | 14 | 26 | 39 | 0 | 0.06 |
| 28 | 39 | 15 | 27 | 38 | 0 | 0.06 |
| MTH | 36.6 | 12.0 | 24.3 | 1140 | 0 | 1.66 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 16 | 27 | 38 | 0 | 0.06 |
| 2 | 39 | 16 | 27 | 38 | 0 | 0.06 |
| 3 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 4 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 5 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 6 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 7 | 40 | 16 | 28 | 37 | 0 | 0.06 |
| 8 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 9 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 10 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 11 | 41 | 17 | 29 | 36 | 0 | 0.06 |
| 12 | 41 | 18 | 30 | 35 | 0 | 0.06 |
| 13 | 42 | 18 | 30 | 35 | 0 | 0.06 |
| 14 | 42 | 18 | 30 | 35 | 0 | 0.06 |
| 15 | 42 | 18 | 30 | 35 | 0 | 0.06 |
| 16 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 17 | 42 | 19 | 31 | 34 | 0 | 0.05 |
| 18 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 19 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 20 | 43 | 20 | 32 | 33 | 0 | 0.05 |
| 21 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 22 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 23 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 24 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 25 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 26 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 27 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 28 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 29 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 30 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 31 | 46 | 21 | 34 | 31 | 0 | 0.04 |
| MTH | 42.4 | 18.5 | 30.5 | 1071 | 0 | 1.64 |
| SPRING SEASON: | | | | | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 22 | 34 | 31 | 0 | 0.04 |
| 2 | 47 | 22 | 34 | 31 | 0 | 0.04 |
| 3 | 47 | 22 | 34 | 31 | 0 | 0.03 |
| 4 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 5 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 6 | 48 | 23 | 35 | 30 | 0 | 0.03 |
| 7 | 48 | 23 | 36 | 29 | 0 | 0.03 |
| 8 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 9 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 10 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 11 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 12 | 49 | 24 | 37 | 28 | 0 | 0.03 |
| 13 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 14 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 15 | 50 | 24 | 37 | 28 | 0 | 0.02 |
| 16 | 51 | 24 | 38 | 27 | 0 | 0.02 |
| 17 | 51 | 24 | 38 | 27 | 0 | 0.02 |
| 18 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 19 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 20 | 52 | 25 | 39 | 26 | 0 | 0.02 |
| 21 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 22 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 23 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 24 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 25 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 26 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 27 | 54 | 27 | 41 | 24 | 0 | 0.03 |
| 28 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 29 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 30 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| MTH | 50.9 | 24.2 | 37.6 | 823 | 0 | 0.84 |
| SPRING SEASON: | 51.5 | 24.8 | 38.2 | 2468 | 0 | 3.53 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 2 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 3 | 56 | 29 | 42 | 23 | 0 | 0.03 |
| 4 | 57 | 29 | 43 | 22 | 0 | 0.03 |
| 5 | 58 | 29 | 43 | 22 | 0 | 0.03 |
| 6 | 58 | 29 | 43 | 22 | 0 | 0.03 |
| 7 | 58 | 29 | 44 | 21 | 0 | 0.03 |
| 8 | 58 | 30 | 44 | 21 | 0 | 0.03 |
| 9 | 58 | 30 | 44 | 21 | 0 | 0.04 |
| 10 | 59 | 30 | 45 | 20 | 0 | 0.04 |
| 11 | 59 | 30 | 45 | 20 | 0 | 0.04 |
| 12 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 13 | 60 | 31 | 46 | 19 | 0 | 0.04 |
| 14 | 60 | 31 | 46 | 19 | 0 | 0.04 |
| 15 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 16 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 17 | 61 | 32 | 47 | 18 | 0 | 0.04 |
| 18 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 19 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 20 | 63 | 33 | 48 | 17 | 0 | 0.04 |
| 21 | 63 | 33 | 48 | 17 | 0 | 0.03 |
| 22 | 63 | 33 | 48 | 17 | 0 | 0.03 |
| 23 | 64 | 34 | 49 | 16 | 0 | 0.03 |
| 24 | 64 | 34 | 49 | 16 | 0 | 0.03 |
| 25 | 64 | 34 | 49 | 16 | 0 | 0.03 |
| 26 | 65 | 34 | 50 | 15 | 0 | 0.03 |
| 27 | 65 | 35 | 50 | 15 | 0 | 0.03 |
| 28 | 65 | 35 | 50 | 15 | 0 | 0.03 |
| 29 | 66 | 35 | 51 | 14 | 0 | 0.03 |
| 30 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 31 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| MTH | 61.2 | 31.7 | 46.5 | 574 | 0 | 1.05 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BRYCE CANYON NATL PK HDQ UTAH Station Number: 421008

Latitude: 37 B 38 * 28 ( Longitude: -112 B 10* 08 ( Elevation (feet): 7915

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 68 | 37 | 52 | 13 | 0 | 0.02 |
| 2 | 68 | 37 | 52 | 13 | 0 | 0.02 |
| 3 | 68 | 37 | 52 | 13 | 0 | 0.02 |
| 4 | 69 | 37 | 53 | 12 | 0 | 0.02 |
| 5 | 70 | 37 | 53 | 12 | 0 | 0.02 |
| 6 | 70 | 37 | 53 | 12 | 0 | 0.02 |
| 7 | 70 | 38 | 54 | 11 | 0 | 0.02 |
| 8 | 70 | 38 | 54 | 11 | 0 | 0.02 |
| 9 | 70 | 38 | 54 | 11 | 0 | 0.02 |
| 10 | 71 | 38 | 55 | 10 | 0 | 0.02 |
| 11 | 71 | 39 | 55 | 10 | 0 | 0.02 |
| 12 | 71 | 39 | 55 | 10 | 0 | 0.02 |
| 13 | 71 | 39 | 55 | 10 | 0 | 0.02 |
| 14 | 72 | 39 | 56 | 9 | 0 | 0.02 |
| 15 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 16 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 17 | 73 | 40 | 57 | 8 | 0 | 0.02 |
| 18 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 19 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 20 | 74 | 41 | 58 | 8 | 1 | 0.02 |
| 21 | 74 | 41 | 58 | 8 | 1 | 0.02 |
| 22 | 75 | 41 | 58 | 8 | 1 | 0.02 |
| 23 | 75 | 42 | 59 | 7 | 1 | 0.02 |
| 24 | 75 | 42 | 59 | 7 | 1 | 0.02 |
| 25 | 75 | 42 | 59 | 7 | 1 | 0.02 |
| 26 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 27 | 76 | 43 | 60 | 6 | 1 | 0.02 |
| 28 | 76 | 43 | 60 | 6 | 1 | 0.02 |
| 29 | 76 | 44 | 60 | 6 | 1 | 0.02 |
| 30 | 76 | 44 | 60 | 6 | 1 | 0.02 |
| MTH | 72.5 | 39.8 | 56.2 | 275 | 11 | 0.60 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 44 | 60 | 5 | 0 | 0.03 |
| 2 | 77 | 44 | 60 | 5 | 0 | 0.03 |
| 3 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 4 | 78 | 45 | 61 | 5 | 1 | 0.03 |
| 5 | 78 | 45 | 61 | 5 | 1 | 0.03 |
| 6 | 78 | 45 | 62 | 4 | 1 | 0.03 |
| 7 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 8 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 9 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 10 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 11 | 78 | 47 | 63 | 3 | 1 | 0.04 |
| 12 | 78 | 47 | 63 | 3 | 1 | 0.04 |
| 13 | 78 | 47 | 63 | 3 | 1 | 0.04 |
| 14 | 79 | 47 | 63 | 3 | 1 | 0.04 |
| 15 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 16 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 17 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 18 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 19 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 20 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 21 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 22 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 23 | 79 | 47 | 63 | 3 | 1 | 0.05 |
| 24 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 25 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 26 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 27 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 28 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 29 | 78 | 48 | 63 | 2 | 0 | 0.06 |
| 30 | 78 | 47 | 63 | 2 | 0 | 0.06 |
| 31 | 78 | 47 | 63 | 2 | 0 | 0.06 |
| MTH | 78.3 | 46.6 | 62.5 | 100 | 21 | 1.43 |
| SUMMER SEASON: | 75.5 | 43.9 | 59.8 | 517 | 38 | 4.19 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 2 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 3 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 4 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 5 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 6 | 78 | 47 | 63 | 3 | 1 | 0.07 |
| 7 | 78 | 47 | 62 | 3 | 0 | 0.07 |
| 8 | 78 | 47 | 62 | 3 | 0 | 0.07 |
| 9 | 78 | 47 | 62 | 3 | 0 | 0.07 |
| 10 | 78 | 46 | 62 | 3 | 0 | 0.07 |
| 11 | 77 | 46 | 61 | 4 | 0 | 0.07 |
| 12 | 77 | 46 | 61 | 4 | 0 | 0.07 |
| 13 | 77 | 46 | 61 | 4 | 0 | 0.07 |
| 14 | 76 | 46 | 61 | 4 | 0 | 0.07 |
| 15 | 76 | 46 | 61 | 4 | 0 | 0.07 |
| 16 | 76 | 45 | 61 | 4 | 0 | 0.07 |
| 17 | 76 | 45 | 61 | 4 | 0 | 0.07 |
| 18 | 75 | 45 | 60 | 5 | 0 | 0.07 |
| 19 | 75 | 45 | 60 | 5 | 0 | 0.07 |
| 20 | 75 | 45 | 60 | 5 | 0 | 0.07 |
| 21 | 75 | 45 | 60 | 5 | 0 | 0.07 |
| 22 | 75 | 44 | 60 | 5 | 0 | 0.07 |
| 23 | 74 | 44 | 59 | 6 | 0 | 0.07 |
| 24 | 74 | 44 | 59 | 6 | 0 | 0.07 |
| 25 | 74 | 44 | 59 | 6 | 0 | 0.07 |
| 26 | 74 | 43 | 59 | 6 | 0 | 0.07 |
| 27 | 74 | 43 | 59 | 6 | 0 | 0.07 |
| 28 | 73 | 43 | 58 | 7 | 0 | 0.07 |
| 29 | 73 | 43 | 58 | 7 | 0 | 0.07 |
| 30 | 73 | 42 | 58 | 7 | 0 | 0.07 |
| 31 | 73 | 42 | 57 | 8 | 0 | 0.06 |
| MTH | 75.9 | 45.2 | 60.6 | 142 | 6 | 2.16 |

**SEPTEMBER**

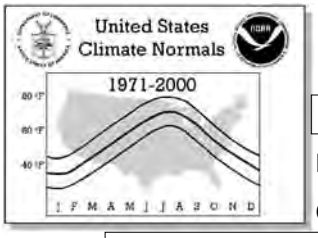
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 42 | 57 | 8 | 0 | 0.06 |
| 2 | 72 | 42 | 57 | 8 | 0 | 0.06 |
| 3 | 72 | 42 | 57 | 8 | 0 | 0.06 |
| 4 | 71 | 42 | 56 | 9 | 0 | 0.06 |
| 5 | 71 | 42 | 56 | 9 | 0 | 0.06 |
| 6 | 71 | 42 | 56 | 9 | 0 | 0.06 |
| 7 | 71 | 40 | 55 | 10 | 0 | 0.06 |
| 8 | 71 | 40 | 55 | 10 | 0 | 0.06 |
| 9 | 70 | 39 | 55 | 10 | 0 | 0.06 |
| 10 | 70 | 39 | 55 | 10 | 0 | 0.06 |
| 11 | 70 | 38 | 54 | 11 | 0 | 0.06 |
| 12 | 70 | 38 | 54 | 11 | 0 | 0.06 |
| 13 | 69 | 38 | 54 | 11 | 0 | 0.06 |
| 14 | 69 | 37 | 53 | 12 | 0 | 0.06 |
| 15 | 69 | 37 | 53 | 12 | 0 | 0.05 |
| 16 | 68 | 37 | 53 | 12 | 0 | 0.05 |
| 17 | 68 | 37 | 53 | 12 | 0 | 0.05 |
| 18 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 19 | 67 | 36 | 52 | 13 | 0 | 0.05 |
| 20 | 67 | 36 | 52 | 13 | 0 | 0.05 |
| 21 | 67 | 35 | 51 | 14 | 0 | 0.05 |
| 22 | 66 | 35 | 51 | 14 | 0 | 0.05 |
| 23 | 66 | 35 | 51 | 14 | 0 | 0.05 |
| 24 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 25 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 26 | 65 | 34 | 50 | 15 | 0 | 0.05 |
| 27 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 28 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 29 | 64 | 33 | 49 | 16 | 0 | 0.05 |
| 30 | 64 | 32 | 48 | 17 | 0 | 0.06 |
| MTH | 68.4 | 37.3 | 52.9 | 363 | 0 | 1.65 |
| AUTUMN SEASON: | 56.0 | 27.3 | 41.7 | 2117 | 0 | 4.55 |
| *ANNUAL:* | 54.5 | 26.6 | 40.6 | 8900 | 38 | 16.40 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 64 | 32 | 48 | 17 | 0 | 0.05 |
| 2 | 63 | 32 | 48 | 17 | 0 | 0.05 |
| 3 | 63 | 32 | 47 | 18 | 0 | 0.05 |
| 4 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 5 | 62 | 32 | 47 | 18 | 0 | 0.06 |
| 6 | 62 | 31 | 46 | 19 | 0 | 0.06 |
| 7 | 61 | 31 | 46 | 19 | 0 | 0.06 |
| 8 | 61 | 31 | 46 | 19 | 0 | 0.06 |
| 9 | 61 | 29 | 45 | 20 | 0 | 0.06 |
| 10 | 60 | 29 | 45 | 20 | 0 | 0.06 |
| 11 | 60 | 28 | 44 | 21 | 0 | 0.06 |
| 12 | 59 | 28 | 44 | 21 | 0 | 0.06 |
| 13 | 59 | 28 | 44 | 21 | 0 | 0.06 |
| 14 | 58 | 28 | 43 | 22 | 0 | 0.06 |
| 15 | 58 | 28 | 43 | 22 | 0 | 0.06 |
| 16 | 57 | 27 | 42 | 23 | 0 | 0.06 |
| 17 | 57 | 27 | 42 | 23 | 0 | 0.06 |
| 18 | 57 | 27 | 42 | 23 | 0 | 0.06 |
| 19 | 56 | 26 | 41 | 24 | 0 | 0.06 |
| 20 | 56 | 26 | 41 | 24 | 0 | 0.05 |
| 21 | 55 | 25 | 40 | 25 | 0 | 0.05 |
| 22 | 55 | 25 | 40 | 25 | 0 | 0.05 |
| 23 | 54 | 25 | 40 | 25 | 0 | 0.05 |
| 24 | 54 | 24 | 39 | 26 | 0 | 0.05 |
| 25 | 53 | 24 | 39 | 26 | 0 | 0.05 |
| 26 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 27 | 52 | 24 | 38 | 27 | 0 | 0.05 |
| 28 | 51 | 23 | 37 | 28 | 0 | 0.05 |
| 29 | 51 | 23 | 37 | 28 | 0 | 0.05 |
| 30 | 50 | 22 | 36 | 29 | 0 | 0.05 |
| 31 | 50 | 22 | 36 | 29 | 0 | 0.05 |
| MTH | 57.2 | 27.3 | 42.3 | 704 | 0 | 1.70 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 22 | 36 | 29 | 0 | 0.05 |
| 2 | 49 | 22 | 35 | 30 | 0 | 0.05 |
| 3 | 49 | 21 | 35 | 30 | 0 | 0.05 |
| 4 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 5 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 6 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 7 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 8 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| 9 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 10 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 11 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 12 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 13 | 43 | 18 | 31 | 34 | 0 | 0.04 |
| 14 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 15 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 16 | 42 | 17 | 30 | 35 | 0 | 0.04 |
| 17 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 18 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 19 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 20 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 21 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 22 | 40 | 15 | 28 | 37 | 0 | 0.04 |
| 23 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 24 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 25 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 26 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 27 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 28 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 29 | 38 | 13 | 26 | 39 | 0 | 0.03 |
| 30 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| MTH | 42.4 | 17.5 | 30.0 | 1050 | 0 | 1.20 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: BRYCE CANYON NATL PK HDQ UTAH Station Number: 421008

Latitude: 37° 38* 28( Longitude: -112° 10* 08( Elevation (feet): 7915

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.03 | 0.09 | 0.00 | 0.00 | 0.01 | 0.00 | 6.98 |
| 0.010 | 0.01 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | 7.64 |
| 0.050 | 0.07 | 0.06 | 0.11 | 0.02 | 0.00 | 0.00 | 0.16 | 0.33 | 0.03 | 0.00 | 0.07 | 0.00 | 9.65 |
| 0.100 | 0.15 | 0.20 | 0.21 | 0.07 | 0.00 | 0.00 | 0.26 | 0.51 | 0.13 | 0.11 | 0.14 | 0.05 | 10.86 |
| 0.200 | 0.32 | 0.44 | 0.42 | 0.18 | 0.20 | 0.06 | 0.46 | 0.83 | 0.33 | 0.36 | 0.28 | 0.19 | 12.47 |
| 0.300 | 0.52 | 0.68 | 0.64 | 0.30 | 0.38 | 0.15 | 0.66 | 1.12 | 0.56 | 0.62 | 0.45 | 0.33 | 13.72 |
| 0.400 | 0.75 | 0.94 | 0.90 | 0.43 | 0.56 | 0.26 | 0.88 | 1.43 | 0.82 | 0.90 | 0.63 | 0.49 | 14.85 |
| 0.500 | 1.02 | 1.24 | 1.19 | 0.59 | 0.77 | 0.38 | 1.12 | 1.77 | 1.13 | 1.23 | 0.85 | 0.68 | 15.97 |
| 0.600 | 1.36 | 1.59 | 1.54 | 0.78 | 1.01 | 0.54 | 1.40 | 2.16 | 1.51 | 1.61 | 1.11 | 0.90 | 17.14 |
| 0.700 | 1.80 | 2.04 | 1.99 | 1.02 | 1.32 | 0.74 | 1.75 | 2.64 | 1.99 | 2.09 | 1.45 | 1.18 | 18.46 |
| 0.800 | 2.43 | 2.65 | 2.61 | 1.36 | 1.73 | 1.02 | 2.23 | 3.27 | 2.68 | 2.76 | 1.93 | 1.58 | 20.08 |
| 0.900 | 3.50 | 3.67 | 3.67 | 1.94 | 2.42 | 1.49 | 3.02 | 4.31 | 3.85 | 3.88 | 2.74 | 2.25 | 22.48 |
| 0.950 | 4.57 | 4.67 | 4.71 | 2.51 | 3.10 | 1.97 | 3.79 | 5.30 | 5.02 | 4.99 | 3.54 | 2.91 | 24.59 |
| 0.990 | 7.07 | 6.96 | 7.12 | 3.84 | 4.65 | 3.08 | 5.53 | 7.53 | 7.74 | 7.54 | 5.41 | 4.44 | 28.90 |
| 0.995 | 8.15 | 7.93 | 8.15 | 4.41 | 5.31 | 3.56 | 6.27 | 8.46 | 8.90 | 8.62 | 6.21 | 5.10 | 30.59 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CEDAR CITY 5 E UTAH Station Number: 421260

Latitude: 37° 39* 23( Longitude: -112° 59* 31( Elevation (feet): 6450

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 0.92 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.16 |
| | | | | | | 3.37 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.06 |
| 28 | | | | | | 0.06 |
| MTH | | | | | | 1.29 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.06 |
| 5 | | | | | | 0.06 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.06 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.07 |
| 15 | | | | | | 0.07 |
| 16 | | | | | | 0.07 |
| 17 | | | | | | 0.07 |
| 18 | | | | | | 0.07 |
| 19 | | | | | | 0.07 |
| 20 | | | | | | 0.07 |
| 21 | | | | | | 0.06 |
| 22 | | | | | | 0.06 |
| 23 | | | | | | 0.06 |
| 24 | | | | | | 0.06 |
| 25 | | | | | | 0.06 |
| 26 | | | | | | 0.06 |
| 27 | | | | | | 0.06 |
| 28 | | | | | | 0.06 |
| 29 | | | | | | 0.06 |
| 30 | | | | | | 0.06 |
| 31 | | | | | | 0.06 |
| MTH | | | | | | 1.93 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.06 |
| 2 | | | | | | 0.06 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.05 |
| 7 | | | | | | 0.05 |
| 8 | | | | | | 0.05 |
| 9 | | | | | | 0.05 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| MTH | | | | | | 1.40 |
| | | | | | | 4.29 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.96 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CEDAR CITY 5 E UTAH Station Number: 421260

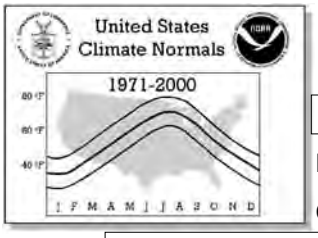
Latitude: 37° 39* 23 ( Longitude: -112° 59* 31 ( Elevation (feet): 6450

Climate Division: UT 04 South Central



| JUNE | | | | | | | JULY | | | | | | | AUGUST | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.02 | 1 | | | | | | 0.03 | 1 | | | | | | 0.05 |
| 2 | | | | | | 0.02 | 2 | | | | | | 0.03 | 2 | | | | | | 0.05 |
| 3 | | | | | | 0.02 | 3 | | | | | | 0.03 | 3 | | | | | | 0.05 |
| 4 | | | | | | 0.02 | 4 | | | | | | 0.03 | 4 | | | | | | 0.05 |
| 5 | | | | | | 0.02 | 5 | | | | | | 0.04 | 5 | | | | | | 0.05 |
| 6 | | | | | | 0.02 | 6 | | | | | | 0.04 | 6 | | | | | | 0.05 |
| 7 | | | | | | 0.02 | 7 | | | | | | 0.04 | 7 | | | | | | 0.05 |
| 8 | | | | | | 0.01 | 8 | | | | | | 0.04 | 8 | | | | | | 0.05 |
| 9 | | | | | | 0.01 | 9 | | | | | | 0.04 | 9 | | | | | | 0.05 |
| 10 | | | | | | 0.01 | 10 | | | | | | 0.04 | 10 | | | | | | 0.05 |
| 11 | | | | | | 0.01 | 11 | | | | | | 0.04 | 11 | | | | | | 0.05 |
| 12 | | | | | | 0.01 | 12 | | | | | | 0.04 | 12 | | | | | | 0.05 |
| 13 | | | | | | 0.01 | 13 | | | | | | 0.04 | 13 | | | | | | 0.05 |
| 14 | | | | | | 0.01 | 14 | | | | | | 0.04 | 14 | | | | | | 0.05 |
| 15 | | | | | | 0.01 | 15 | | | | | | 0.05 | 15 | | | | | | 0.05 |
| 16 | | | | | | 0.01 | 16 | | | | | | 0.05 | 16 | | | | | | 0.05 |
| 17 | | | | | | 0.02 | 17 | | | | | | 0.05 | 17 | | | | | | 0.05 |
| 18 | | | | | | 0.02 | 18 | | | | | | 0.05 | 18 | | | | | | 0.05 |
| 19 | | | | | | 0.02 | 19 | | | | | | 0.05 | 19 | | | | | | 0.05 |
| 20 | | | | | | 0.02 | 20 | | | | | | 0.05 | 20 | | | | | | 0.05 |
| 21 | | | | | | 0.02 | 21 | | | | | | 0.05 | 21 | | | | | | 0.05 |
| 22 | | | | | | 0.02 | 22 | | | | | | 0.05 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.02 | 23 | | | | | | 0.05 | 23 | | | | | | 0.04 |
| 24 | | | | | | 0.02 | 24 | | | | | | 0.05 | 24 | | | | | | 0.04 |
| 25 | | | | | | 0.02 | 25 | | | | | | 0.05 | 25 | | | | | | 0.04 |
| 26 | | | | | | 0.02 | 26 | | | | | | 0.05 | 26 | | | | | | 0.04 |
| 27 | | | | | | 0.02 | 27 | | | | | | 0.05 | 27 | | | | | | 0.04 |
| 28 | | | | | | 0.03 | 28 | | | | | | 0.05 | 28 | | | | | | 0.04 |
| 29 | | | | | | 0.03 | 29 | | | | | | 0.05 | 29 | | | | | | 0.04 |
| 30 | | | | | | 0.03 | 30 | | | | | | 0.05 | 30 | | | | | | 0.04 |
| | | | | | | | 31 | | | | | | 0.05 | 31 | | | | | | 0.04 |
| MTH | | | | | | 0.54 | MTH | | | | | | 1.37 | MTH | | | | | | 1.45 |
| | | | | | SUMMER SEASON: | | | | | | | | 3.36 | | | | | | | |

| SEPTEMBER | | | | | | | OCTOBER | | | | | | | NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.04 | 1 | | | | | | 0.04 | 1 | | | | | | 0.05 |
| 2 | | | | | | 0.04 | 2 | | | | | | 0.04 | 2 | | | | | | 0.05 |
| 3 | | | | | | 0.04 | 3 | | | | | | 0.04 | 3 | | | | | | 0.05 |
| 4 | | | | | | 0.04 | 4 | | | | | | 0.04 | 4 | | | | | | 0.05 |
| 5 | | | | | | 0.04 | 5 | | | | | | 0.04 | 5 | | | | | | 0.05 |
| 6 | | | | | | 0.04 | 6 | | | | | | 0.04 | 6 | | | | | | 0.05 |
| 7 | | | | | | 0.04 | 7 | | | | | | 0.05 | 7 | | | | | | 0.05 |
| 8 | | | | | | 0.03 | 8 | | | | | | 0.05 | 8 | | | | | | 0.04 |
| 9 | | | | | | 0.03 | 9 | | | | | | 0.05 | 9 | | | | | | 0.04 |
| 10 | | | | | | 0.03 | 10 | | | | | | 0.05 | 10 | | | | | | 0.04 |
| 11 | | | | | | 0.03 | 11 | | | | | | 0.05 | 11 | | | | | | 0.04 |
| 12 | | | | | | 0.03 | 12 | | | | | | 0.05 | 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 | 13 | | | | | | 0.05 | 13 | | | | | | 0.04 |
| 14 | | | | | | 0.03 | 14 | | | | | | 0.05 | 14 | | | | | | 0.04 |
| 15 | | | | | | 0.03 | 15 | | | | | | 0.05 | 15 | | | | | | 0.04 |
| 16 | | | | | | 0.03 | 16 | | | | | | 0.05 | 16 | | | | | | 0.04 |
| 17 | | | | | | 0.03 | 17 | | | | | | 0.05 | 17 | | | | | | 0.04 |
| 18 | | | | | | 0.03 | 18 | | | | | | 0.05 | 18 | | | | | | 0.04 |
| 19 | | | | | | 0.03 | 19 | | | | | | 0.05 | 19 | | | | | | 0.04 |
| 20 | | | | | | 0.03 | 20 | | | | | | 0.05 | 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 | 21 | | | | | | 0.05 | 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 | 22 | | | | | | 0.05 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 | 23 | | | | | | 0.05 | 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 | 24 | | | | | | 0.05 | 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 | 25 | | | | | | 0.05 | 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 | 26 | | | | | | 0.05 | 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 | 27 | | | | | | 0.05 | 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 | 28 | | | | | | 0.05 | 28 | | | | | | 0.03 |
| 29 | | | | | | 0.04 | 29 | | | | | | 0.05 | 29 | | | | | | 0.03 |
| 30 | | | | | | 0.04 | 30 | | | | | | 0.05 | 30 | | | | | | 0.03 |
| | | | | | | | 31 | | | | | | 0.05 | | | | | | | |
| MTH | | | | | | 1.07 | MTH | | | | | | 1.49 | MTH | | | | | | 1.24 |
| | | | | | AUTUMN SEASON: | | | | | | | | 3.80 | | | | | | | |
| | | | | | *ANNUAL:* | | | | | | | | 14.82 | | | | | | | |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CEDAR CITY 5 E UTAH Station Number: 421260

Latitude: 37° 39* 23( Longitude: -112° 59* 31( Elevation (feet): 6450

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.05 | 0.13 | 0.18 | 0.03 | 0.07 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.02 | 0.08 | 6.56 |
| 0.010 | 0.08 | 0.17 | 0.23 | 0.05 | 0.09 | 0.00 | 0.00 | 0.09 | 0.01 | 0.00 | 0.04 | 0.10 | 7.15 |
| 0.050 | 0.19 | 0.33 | 0.47 | 0.16 | 0.20 | 0.00 | 0.10 | 0.22 | 0.04 | 0.15 | 0.12 | 0.21 | 8.93 |
| 0.100 | 0.29 | 0.45 | 0.65 | 0.27 | 0.29 | 0.03 | 0.24 | 0.35 | 0.08 | 0.32 | 0.21 | 0.30 | 10.00 |
| 0.200 | 0.46 | 0.64 | 0.93 | 0.46 | 0.43 | 0.10 | 0.46 | 0.56 | 0.20 | 0.57 | 0.38 | 0.43 | 11.41 |
| 0.300 | 0.62 | 0.81 | 1.18 | 0.66 | 0.56 | 0.18 | 0.66 | 0.76 | 0.33 | 0.78 | 0.56 | 0.55 | 12.50 |
| 0.400 | 0.79 | 0.97 | 1.43 | 0.87 | 0.68 | 0.27 | 0.87 | 0.97 | 0.50 | 1.01 | 0.74 | 0.67 | 13.49 |
| 0.500 | 0.97 | 1.14 | 1.69 | 1.10 | 0.82 | 0.37 | 1.10 | 1.19 | 0.69 | 1.24 | 0.96 | 0.80 | 14.46 |
| 0.600 | 1.17 | 1.33 | 1.99 | 1.37 | 0.98 | 0.50 | 1.36 | 1.46 | 0.94 | 1.51 | 1.21 | 0.94 | 15.48 |
| 0.700 | 1.42 | 1.56 | 2.34 | 1.71 | 1.16 | 0.66 | 1.69 | 1.78 | 1.27 | 1.84 | 1.52 | 1.11 | 16.62 |
| 0.800 | 1.75 | 1.86 | 2.79 | 2.17 | 1.41 | 0.88 | 2.13 | 2.21 | 1.73 | 2.28 | 1.94 | 1.34 | 18.02 |
| 0.900 | 2.29 | 2.32 | 3.52 | 2.93 | 1.80 | 1.26 | 2.85 | 2.91 | 2.54 | 2.98 | 2.65 | 1.69 | 20.09 |
| 0.950 | 2.81 | 2.76 | 4.20 | 3.67 | 2.17 | 1.64 | 3.54 | 3.58 | 3.36 | 3.65 | 3.35 | 2.03 | 21.92 |
| 0.990 | 3.96 | 3.72 | 5.68 | 5.33 | 2.99 | 2.52 | 5.10 | 5.08 | 5.27 | 5.13 | 4.92 | 2.76 | 25.62 |
| 0.995 | 4.45 | 4.11 | 6.30 | 6.04 | 3.32 | 2.89 | 5.75 | 5.71 | 6.10 | 5.75 | 5.59 | 3.07 | 27.07 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: CEDAR CITY AP UTAH Station Number: 421267

Latitude: 37° 42* 06( Longitude: -113° 05* 50( Elevation (feet): 5587

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 21 | 34 | 31 | 0 | 0.03 |
| 2 | 46 | 21 | 34 | 31 | 0 | 0.03 |
| 3 | 45 | 21 | 33 | 32 | 0 | 0.02 |
| 4 | 45 | 21 | 33 | 32 | 0 | 0.02 |
| 5 | 44 | 20 | 32 | 33 | 0 | 0.02 |
| 6 | 44 | 20 | 32 | 33 | 0 | 0.02 |
| 7 | 44 | 20 | 32 | 33 | 0 | 0.02 |
| 8 | 44 | 20 | 32 | 33 | 0 | 0.02 |
| 9 | 44 | 19 | 32 | 33 | 0 | 0.02 |
| 10 | 43 | 19 | 31 | 34 | 0 | 0.02 |
| 11 | 43 | 19 | 31 | 34 | 0 | 0.02 |
| 12 | 43 | 19 | 31 | 34 | 0 | 0.02 |
| 13 | 43 | 19 | 31 | 34 | 0 | 0.02 |
| 14 | 43 | 19 | 31 | 34 | 0 | 0.02 |
| 15 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 16 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 17 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 18 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 19 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 20 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 21 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 22 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 23 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 24 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 25 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 26 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 27 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 28 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 29 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 30 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 31 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| MTH | 42.7 | 18.6 | 30.7 | 1065 | 0 | 0.65 |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| 2 | 41 | 18 | 29 | 36 | 0 | 0.02 |
| 3 | 41 | 18 | 29 | 36 | 0 | 0.02 |
| 4 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 5 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 6 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 7 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 8 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 9 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 10 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 11 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 12 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 13 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 14 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 15 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 16 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 17 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 18 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 19 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 20 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 21 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| 22 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| 23 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| 24 | 42 | 19 | 31 | 34 | 0 | 0.03 |
| 25 | 43 | 19 | 31 | 34 | 0 | 0.03 |
| 26 | 43 | 19 | 31 | 34 | 0 | 0.03 |
| 27 | 43 | 19 | 31 | 34 | 0 | 0.03 |
| 28 | 43 | 20 | 32 | 33 | 0 | 0.03 |
| 29 | 43 | 20 | 32 | 33 | 0 | 0.03 |
| 30 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| 31 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| MTH | 41.8 | 18.5 | 30.2 | 1079 | 0 | 0.90 |
| WINTER SEASON: | 43.7 | 19.9 | 31.9 | 2990 | 0 | 2.52 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| 2 | 44 | 21 | 32 | 33 | 0 | 0.03 |
| 3 | 44 | 21 | 33 | 32 | 0 | 0.03 |
| 4 | 44 | 21 | 33 | 32 | 0 | 0.03 |
| 5 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 6 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 7 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 8 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 9 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 10 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 11 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 12 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 13 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 14 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 15 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 16 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 17 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 18 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 19 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 20 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 21 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 22 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 23 | 49 | 24 | 37 | 28 | 0 | 0.04 |
| 24 | 49 | 25 | 37 | 28 | 0 | 0.04 |
| 25 | 49 | 25 | 37 | 28 | 0 | 0.04 |
| 26 | 49 | 25 | 37 | 28 | 0 | 0.04 |
| 27 | 49 | 25 | 37 | 28 | 0 | 0.04 |
| 28 | 50 | 25 | 38 | 27 | 0 | 0.04 |
| MTH | 46.7 | 22.8 | 34.8 | 846 | 0 | 0.97 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 26 | 38 | 27 | 0 | 0.04 |
| 2 | 51 | 26 | 38 | 27 | 0 | 0.04 |
| 3 | 51 | 26 | 38 | 27 | 0 | 0.04 |
| 4 | 51 | 26 | 39 | 26 | 0 | 0.04 |
| 5 | 51 | 26 | 39 | 26 | 0 | 0.04 |
| 6 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 7 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 8 | 51 | 27 | 39 | 26 | 0 | 0.04 |
| 9 | 52 | 27 | 40 | 25 | 0 | 0.04 |
| 10 | 52 | 27 | 40 | 25 | 0 | 0.04 |
| 11 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 12 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 13 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 14 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 15 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 16 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 17 | 54 | 29 | 41 | 24 | 0 | 0.05 |
| 18 | 54 | 29 | 41 | 24 | 0 | 0.05 |
| 19 | 54 | 29 | 42 | 23 | 0 | 0.05 |
| 20 | 54 | 29 | 42 | 23 | 0 | 0.05 |
| 21 | 55 | 29 | 42 | 23 | 0 | 0.04 |
| 22 | 55 | 29 | 42 | 23 | 0 | 0.04 |
| 23 | 55 | 29 | 42 | 23 | 0 | 0.04 |
| 24 | 55 | 30 | 43 | 22 | 0 | 0.04 |
| 25 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 26 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 27 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 28 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 29 | 57 | 31 | 44 | 21 | 0 | 0.04 |
| 30 | 57 | 31 | 44 | 21 | 0 | 0.04 |
| 31 | 57 | 31 | 44 | 21 | 0 | 0.04 |
| MTH | 53.5 | 28.4 | 41.0 | 744 | 0 | 1.34 |
| SPRING SEASON: | 61.9 | 34.5 | 48.3 | 1561 | 22 | 3.25 |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 31 | 45 | 20 | 0 | 0.04 |
| 2 | 58 | 31 | 45 | 20 | 0 | 0.04 |
| 3 | 58 | 31 | 45 | 20 | 0 | 0.04 |
| 4 | 58 | 31 | 45 | 20 | 0 | 0.04 |
| 5 | 58 | 32 | 45 | 20 | 0 | 0.04 |
| 6 | 58 | 32 | 45 | 20 | 0 | 0.04 |
| 7 | 59 | 32 | 45 | 20 | 0 | 0.04 |
| 8 | 59 | 32 | 46 | 19 | 0 | 0.04 |
| 9 | 59 | 32 | 46 | 19 | 0 | 0.04 |
| 10 | 60 | 33 | 46 | 19 | 0 | 0.04 |
| 11 | 60 | 33 | 46 | 19 | 0 | 0.03 |
| 12 | 60 | 33 | 46 | 19 | 0 | 0.03 |
| 13 | 60 | 33 | 47 | 18 | 0 | 0.03 |
| 14 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 15 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 16 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 17 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 18 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 19 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 20 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 21 | 63 | 35 | 49 | 16 | 0 | 0.03 |
| 22 | 63 | 35 | 49 | 16 | 0 | 0.03 |
| 23 | 63 | 35 | 49 | 16 | 0 | 0.03 |
| 24 | 63 | 35 | 49 | 16 | 0 | 0.03 |
| 25 | 64 | 36 | 50 | 15 | 0 | 0.03 |
| 26 | 64 | 36 | 50 | 15 | 0 | 0.03 |
| 27 | 64 | 36 | 50 | 15 | 0 | 0.03 |
| 28 | 65 | 37 | 51 | 14 | 0 | 0.03 |
| 29 | 65 | 37 | 51 | 14 | 0 | 0.03 |
| 30 | 65 | 37 | 51 | 14 | 0 | 0.03 |
| MTH | 61.2 | 33.7 | 47.5 | 526 | 0 | 1.00 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 37 | 52 | 13 | 0 | 0.03 |
| 2 | 67 | 38 | 52 | 13 | 0 | 0.03 |
| 3 | 67 | 38 | 52 | 13 | 0 | 0.03 |
| 4 | 67 | 38 | 52 | 13 | 0 | 0.03 |
| 5 | 67 | 38 | 53 | 12 | 0 | 0.03 |
| 6 | 67 | 39 | 53 | 12 | 0 | 0.04 |
| 7 | 67 | 39 | 53 | 12 | 0 | 0.03 |
| 8 | 68 | 39 | 54 | 11 | 0 | 0.03 |
| 9 | 68 | 40 | 54 | 11 | 0 | 0.03 |
| 10 | 68 | 40 | 54 | 11 | 0 | 0.03 |
| 11 | 69 | 40 | 55 | 10 | 0 | 0.03 |
| 12 | 69 | 40 | 55 | 10 | 0 | 0.03 |
| 13 | 70 | 41 | 55 | 10 | 0 | 0.03 |
| 14 | 70 | 41 | 55 | 10 | 0 | 0.03 |
| 15 | 71 | 41 | 56 | 10 | 1 | 0.03 |
| 16 | 71 | 41 | 56 | 10 | 1 | 0.03 |
| 17 | 71 | 42 | 57 | 9 | 1 | 0.03 |
| 18 | 72 | 42 | 57 | 9 | 1 | 0.03 |
| 19 | 72 | 42 | 57 | 9 | 1 | 0.03 |
| 20 | 72 | 43 | 58 | 8 | 1 | 0.03 |
| 21 | 73 | 43 | 58 | 8 | 1 | 0.03 |
| 22 | 73 | 43 | 58 | 8 | 1 | 0.03 |
| 23 | 74 | 43 | 59 | 7 | 1 | 0.03 |
| 24 | 74 | 44 | 59 | 7 | 1 | 0.03 |
| 25 | 74 | 44 | 59 | 7 | 1 | 0.03 |
| 26 | 74 | 44 | 59 | 7 | 1 | 0.03 |
| 27 | 75 | 45 | 60 | 7 | 2 | 0.03 |
| 28 | 76 | 45 | 61 | 6 | 2 | 0.03 |
| 29 | 76 | 45 | 61 | 6 | 2 | 0.02 |
| 30 | 77 | 45 | 61 | 6 | 2 | 0.02 |
| 31 | 77 | 45 | 61 | 6 | 2 | 0.02 |
| MTH | 71.1 | 41.5 | 56.3 | 291 | 22 | 0.91 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CEDAR CITY AP UTAH Station Number: 421267

Latitude: 37 B 42 * 06 ( Longitude: -113 B 05 * 50 ( Elevation (feet): 5587

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 46 | 62 | 5 | 2 | 0.02 |
| 2 | 78 | 46 | 62 | 5 | 2 | 0.02 |
| 3 | 79 | 46 | 62 | 5 | 2 | 0.02 |
| 4 | 79 | 46 | 62 | 5 | 2 | 0.02 |
| 5 | 79 | 47 | 63 | 5 | 3 | 0.02 |
| 6 | 80 | 47 | 64 | 4 | 3 | 0.02 |
| 7 | 80 | 48 | 64 | 4 | 3 | 0.02 |
| 8 | 80 | 48 | 64 | 4 | 3 | 0.02 |
| 9 | 81 | 48 | 65 | 3 | 3 | 0.01 |
| 10 | 81 | 48 | 65 | 3 | 3 | 0.01 |
| 11 | 82 | 49 | 65 | 3 | 3 | 0.01 |
| 12 | 82 | 49 | 66 | 3 | 4 | 0.01 |
| 13 | 82 | 49 | 66 | 3 | 4 | 0.01 |
| 14 | 83 | 50 | 66 | 3 | 4 | 0.01 |
| 15 | 83 | 50 | 67 | 2 | 4 | 0.01 |
| 16 | 84 | 51 | 67 | 2 | 4 | 0.01 |
| 17 | 84 | 51 | 67 | 2 | 4 | 0.01 |
| 18 | 84 | 51 | 67 | 2 | 4 | 0.01 |
| 19 | 85 | 51 | 68 | 2 | 5 | 0.01 |
| 20 | 85 | 51 | 68 | 2 | 5 | 0.01 |
| 21 | 85 | 52 | 68 | 2 | 5 | 0.01 |
| 22 | 85 | 52 | 69 | 1 | 5 | 0.01 |
| 23 | 86 | 52 | 69 | 1 | 5 | 0.01 |
| 24 | 86 | 53 | 70 | 1 | 6 | 0.02 |
| 25 | 86 | 53 | 70 | 1 | 6 | 0.02 |
| 26 | 87 | 53 | 70 | 1 | 6 | 0.02 |
| 27 | 87 | 53 | 70 | 1 | 6 | 0.02 |
| 28 | 87 | 53 | 70 | 1 | 6 | 0.02 |
| 29 | 87 | 54 | 71 | 1 | 7 | 0.02 |
| 30 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| MTH | 83.1 | 50.1 | 66.6 | 78 | 126 | 0.45 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 55 | 72 | 1 | 8 | 0.02 |
| 2 | 89 | 55 | 72 | 1 | 8 | 0.02 |
| 3 | 89 | 56 | 72 | 1 | 8 | 0.02 |
| 4 | 89 | 56 | 72 | 1 | 8 | 0.02 |
| 5 | 89 | 56 | 72 | 1 | 8 | 0.02 |
| 6 | 89 | 56 | 73 | 0 | 8 | 0.02 |
| 7 | 89 | 57 | 73 | 0 | 8 | 0.02 |
| 8 | 89 | 57 | 73 | 0 | 8 | 0.03 |
| 9 | 89 | 58 | 74 | 0 | 9 | 0.03 |
| 10 | 89 | 58 | 74 | 0 | 9 | 0.03 |
| 11 | 89 | 58 | 74 | 0 | 9 | 0.03 |
| 12 | 89 | 58 | 74 | 0 | 9 | 0.03 |
| 13 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 14 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 15 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 16 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 17 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 18 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 19 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 20 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 21 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 22 | 90 | 58 | 74 | 0 | 9 | 0.03 |
| 23 | 90 | 59 | 75 | 0 | 10 | 0.03 |
| 24 | 89 | 59 | 74 | 0 | 9 | 0.03 |
| 25 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 26 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 27 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 28 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 29 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 30 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 31 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| MTH | 89.4 | 57.8 | 73.6 | 5 | 272 | 0.93 |
| SUMMER SEASON: | 86.5 | 54.9 | 70.7 | 86 | 618 | 2.53 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 2 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 3 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 4 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 5 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 6 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 7 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 8 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 9 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 10 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 11 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 12 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 13 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 14 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 15 | 87 | 57 | 72 | 0 | 7 | 0.04 |
| 16 | 87 | 57 | 72 | 0 | 7 | 0.04 |
| 17 | 87 | 57 | 72 | 0 | 7 | 0.04 |
| 18 | 87 | 57 | 72 | 0 | 7 | 0.04 |
| 19 | 87 | 57 | 72 | 0 | 7 | 0.04 |
| 20 | 86 | 57 | 72 | 0 | 7 | 0.04 |
| 21 | 86 | 56 | 71 | 0 | 6 | 0.04 |
| 22 | 86 | 56 | 71 | 0 | 6 | 0.04 |
| 23 | 86 | 56 | 71 | 0 | 6 | 0.03 |
| 24 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 25 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 26 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 27 | 85 | 54 | 70 | 0 | 5 | 0.03 |
| 28 | 85 | 54 | 70 | 0 | 5 | 0.03 |
| 29 | 84 | 54 | 69 | 1 | 5 | 0.03 |
| 30 | 84 | 54 | 69 | 1 | 5 | 0.03 |
| 31 | 84 | 53 | 69 | 1 | 5 | 0.03 |
| MTH | 87.1 | 56.8 | 72.0 | 3 | 220 | 1.15 |

**SEPTEMBER**

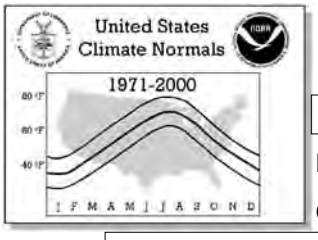
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 2 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 3 | 83 | 52 | 68 | 1 | 4 | 0.03 |
| 4 | 83 | 52 | 68 | 1 | 4 | 0.03 |
| 5 | 82 | 51 | 67 | 1 | 3 | 0.03 |
| 6 | 82 | 51 | 67 | 1 | 3 | 0.03 |
| 7 | 82 | 51 | 66 | 2 | 3 | 0.03 |
| 8 | 82 | 51 | 66 | 2 | 3 | 0.03 |
| 9 | 81 | 50 | 66 | 2 | 3 | 0.03 |
| 10 | 81 | 50 | 66 | 2 | 3 | 0.02 |
| 11 | 81 | 50 | 65 | 2 | 2 | 0.02 |
| 12 | 80 | 49 | 65 | 2 | 2 | 0.02 |
| 13 | 80 | 49 | 64 | 3 | 2 | 0.02 |
| 14 | 80 | 49 | 64 | 3 | 2 | 0.02 |
| 15 | 79 | 48 | 64 | 3 | 2 | 0.02 |
| 16 | 79 | 47 | 63 | 4 | 2 | 0.02 |
| 17 | 79 | 47 | 63 | 4 | 2 | 0.03 |
| 18 | 78 | 46 | 62 | 4 | 1 | 0.03 |
| 19 | 78 | 46 | 62 | 4 | 1 | 0.03 |
| 20 | 77 | 46 | 62 | 4 | 1 | 0.03 |
| 21 | 77 | 45 | 61 | 5 | 1 | 0.03 |
| 22 | 77 | 45 | 61 | 5 | 1 | 0.03 |
| 23 | 76 | 45 | 61 | 5 | 1 | 0.03 |
| 24 | 76 | 44 | 60 | 6 | 1 | 0.03 |
| 25 | 76 | 44 | 60 | 6 | 1 | 0.03 |
| 26 | 75 | 43 | 59 | 7 | 1 | 0.03 |
| 27 | 75 | 43 | 59 | 7 | 1 | 0.03 |
| 28 | 74 | 43 | 59 | 7 | 1 | 0.03 |
| 29 | 74 | 42 | 58 | 8 | 1 | 0.03 |
| 30 | 73 | 42 | 58 | 8 | 1 | 0.03 |
| MTH | 78.9 | 47.6 | 63.3 | 111 | 61 | 0.83 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 42 | 57 | 9 | 1 | 0.04 |
| 2 | 73 | 42 | 57 | 9 | 1 | 0.04 |
| 3 | 73 | 42 | 57 | 9 | 1 | 0.04 |
| 4 | 73 | 41 | 57 | 9 | 1 | 0.04 |
| 5 | 72 | 40 | 56 | 9 | 0 | 0.04 |
| 6 | 71 | 40 | 55 | 10 | 0 | 0.04 |
| 7 | 70 | 39 | 55 | 10 | 0 | 0.04 |
| 8 | 69 | 39 | 54 | 11 | 0 | 0.04 |
| 9 | 69 | 39 | 54 | 11 | 0 | 0.04 |
| 10 | 69 | 38 | 54 | 11 | 0 | 0.04 |
| 11 | 69 | 37 | 53 | 12 | 0 | 0.04 |
| 12 | 68 | 37 | 53 | 12 | 0 | 0.04 |
| 13 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 14 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 15 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 16 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 17 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 18 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 19 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 20 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 21 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 22 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 23 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 24 | 62 | 33 | 48 | 17 | 0 | 0.04 |
| 25 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 26 | 61 | 32 | 47 | 18 | 0 | 0.04 |
| 27 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 28 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 29 | 60 | 31 | 46 | 19 | 0 | 0.04 |
| 30 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| 31 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| MTH | 66.1 | 36.0 | 51.1 | 436 | 4 | 1.30 |
| AUTUMN SEASON: | 65.5 | 36.5 | 51.1 | 1333 | 65 | 3.10 |
| *ANNUAL:* | 64.4 | 36.5 | 50.5 | 5970 | 705 | 11.40 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 2 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 3 | 58 | 29 | 43 | 22 | 0 | 0.04 |
| 4 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 5 | 56 | 29 | 43 | 22 | 0 | 0.04 |
| 6 | 56 | 29 | 42 | 23 | 0 | 0.04 |
| 7 | 55 | 28 | 42 | 23 | 0 | 0.04 |
| 8 | 55 | 28 | 42 | 23 | 0 | 0.04 |
| 9 | 54 | 28 | 41 | 24 | 0 | 0.04 |
| 10 | 54 | 28 | 41 | 24 | 0 | 0.04 |
| 11 | 53 | 27 | 40 | 25 | 0 | 0.03 |
| 12 | 53 | 27 | 40 | 25 | 0 | 0.03 |
| 13 | 52 | 27 | 40 | 25 | 0 | 0.03 |
| 14 | 52 | 26 | 39 | 26 | 0 | 0.03 |
| 15 | 52 | 26 | 39 | 26 | 0 | 0.03 |
| 16 | 51 | 26 | 39 | 26 | 0 | 0.03 |
| 17 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| 18 | 50 | 25 | 38 | 27 | 0 | 0.03 |
| 19 | 49 | 25 | 37 | 28 | 0 | 0.03 |
| 20 | 49 | 25 | 37 | 28 | 0 | 0.03 |
| 21 | 49 | 24 | 37 | 28 | 0 | 0.03 |
| 22 | 48 | 24 | 36 | 29 | 0 | 0.03 |
| 23 | 48 | 24 | 36 | 29 | 0 | 0.03 |
| 24 | 48 | 23 | 36 | 29 | 0 | 0.03 |
| 25 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 26 | 47 | 23 | 35 | 30 | 0 | 0.03 |
| 27 | 47 | 22 | 35 | 30 | 0 | 0.03 |
| 28 | 46 | 22 | 34 | 31 | 0 | 0.02 |
| 29 | 46 | 22 | 34 | 31 | 0 | 0.02 |
| 30 | 46 | 22 | 34 | 31 | 0 | 0.02 |
| MTH | 51.6 | 25.9 | 38.8 | 786 | 0 | 0.97 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CEDAR CITY AP UTAH Station Number: 421267

Latitude: 37° 42* 06( Longitude: -113° 05* 50( Elevation (feet): 5587

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 5.61 |
| 0.010 | 0.01 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 6.04 |
| 0.050 | 0.04 | 0.16 | 0.15 | 0.15 | 0.08 | 0.00 | 0.10 | 0.06 | 0.00 | 0.11 | 0.10 | 0.00 | 7.32 |
| 0.100 | 0.09 | 0.30 | 0.32 | 0.24 | 0.18 | 0.00 | 0.17 | 0.16 | 0.03 | 0.26 | 0.18 | 0.16 | 8.07 |
| 0.200 | 0.19 | 0.46 | 0.54 | 0.38 | 0.33 | 0.09 | 0.30 | 0.33 | 0.14 | 0.47 | 0.31 | 0.29 | 9.06 |
| 0.300 | 0.31 | 0.59 | 0.73 | 0.52 | 0.46 | 0.17 | 0.44 | 0.50 | 0.26 | 0.66 | 0.44 | 0.39 | 9.82 |
| 0.400 | 0.45 | 0.72 | 0.93 | 0.66 | 0.60 | 0.25 | 0.57 | 0.68 | 0.40 | 0.85 | 0.59 | 0.49 | 10.50 |
| 0.500 | 0.61 | 0.86 | 1.13 | 0.82 | 0.75 | 0.34 | 0.73 | 0.88 | 0.56 | 1.07 | 0.75 | 0.58 | 11.16 |
| 0.600 | 0.82 | 1.01 | 1.37 | 1.00 | 0.92 | 0.44 | 0.91 | 1.12 | 0.76 | 1.31 | 0.94 | 0.69 | 11.86 |
| 0.700 | 1.08 | 1.18 | 1.65 | 1.22 | 1.12 | 0.57 | 1.14 | 1.41 | 1.01 | 1.60 | 1.18 | 0.81 | 12.63 |
| 0.800 | 1.45 | 1.41 | 2.02 | 1.52 | 1.39 | 0.74 | 1.45 | 1.82 | 1.37 | 2.00 | 1.50 | 0.96 | 13.57 |
| 0.900 | 2.08 | 1.78 | 2.61 | 2.00 | 1.83 | 1.03 | 1.96 | 2.48 | 1.98 | 2.64 | 2.04 | 1.21 | 14.96 |
| 0.950 | 2.71 | 2.12 | 3.18 | 2.46 | 2.26 | 1.31 | 2.46 | 3.13 | 2.60 | 3.25 | 2.56 | 1.45 | 16.17 |
| 0.990 | 4.18 | 2.85 | 4.42 | 3.49 | 3.20 | 1.95 | 3.59 | 4.61 | 4.02 | 4.63 | 3.74 | 1.95 | 18.61 |
| 0.995 | 4.82 | 3.16 | 4.94 | 3.92 | 3.59 | 2.22 | 4.06 | 5.24 | 4.63 | 5.20 | 4.24 | 2.16 | 19.56 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CIRCLEVILLE UTAH Station Number: 421432

Latitude: 38 B 10 * 14 ( Longitude: -112 B 16* 43 ( Elevation (feet): 6050

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 16 | 31 | 34 | 0 | 0.01 |
| 2 | 47 | 16 | 31 | 34 | 0 | 0.01 |
| 3 | 47 | 16 | 31 | 34 | 0 | 0.01 |
| 4 | 46 | 15 | 30 | 35 | 0 | 0.01 |
| 5 | 46 | 15 | 30 | 35 | 0 | 0.01 |
| 6 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 7 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 8 | 45 | 14 | 30 | 35 | 0 | 0.01 |
| 9 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 10 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 11 | 44 | 13 | 29 | 36 | 0 | 0.01 |
| 12 | 44 | 13 | 29 | 36 | 0 | 0.01 |
| 13 | 44 | 13 | 29 | 36 | 0 | 0.01 |
| 14 | 43 | 13 | 28 | 37 | 0 | 0.01 |
| 15 | 43 | 13 | 28 | 37 | 0 | 0.01 |
| 16 | 43 | 13 | 28 | 37 | 0 | 0.01 |
| 17 | 43 | 13 | 28 | 37 | 0 | 0.01 |
| 18 | 43 | 12 | 28 | 37 | 0 | 0.01 |
| 19 | 43 | 12 | 28 | 37 | 0 | 0.01 |
| 20 | 42 | 12 | 27 | 38 | 0 | 0.01 |
| 21 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 22 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 23 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 24 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 25 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 26 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 27 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 28 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 29 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 30 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 31 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| MTH | 43.7 | 13.1 | 28.4 | 1135 | 0 | 0.42 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 12 | 27 | 38 | 0 | 0.01 |
| 2 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 3 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 4 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 5 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 6 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 7 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 8 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 9 | 41 | 12 | 27 | 38 | 0 | 0.02 |
| 10 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 11 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 12 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 13 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 14 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 15 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 16 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 17 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 18 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 19 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 20 | 42 | 13 | 27 | 38 | 0 | 0.02 |
| 21 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 22 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 23 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 24 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 25 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 26 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 27 | 43 | 14 | 29 | 36 | 0 | 0.02 |
| 28 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 29 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 30 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 31 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| MTH | 41.9 | 13.1 | 27.5 | 1162 | 0 | 0.61 |
| | 44.2 | 14.7 | 29.5 | 3205 | 0 | 1.57 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 17 | 30 | 35 | 0 | 0.02 |
| 2 | 44 | 17 | 30 | 35 | 0 | 0.02 |
| 3 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 4 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 5 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 6 | 46 | 17 | 31 | 34 | 0 | 0.02 |
| 7 | 46 | 17 | 31 | 34 | 0 | 0.02 |
| 8 | 46 | 17 | 31 | 34 | 0 | 0.02 |
| 9 | 46 | 17 | 31 | 34 | 0 | 0.01 |
| 10 | 46 | 17 | 32 | 33 | 0 | 0.01 |
| 11 | 46 | 17 | 32 | 33 | 0 | 0.02 |
| 12 | 47 | 17 | 32 | 33 | 0 | 0.02 |
| 13 | 47 | 17 | 32 | 33 | 0 | 0.02 |
| 14 | 47 | 17 | 32 | 33 | 0 | 0.02 |
| 15 | 47 | 18 | 33 | 32 | 0 | 0.02 |
| 16 | 47 | 18 | 33 | 32 | 0 | 0.02 |
| 17 | 48 | 18 | 33 | 32 | 0 | 0.02 |
| 18 | 48 | 18 | 33 | 32 | 0 | 0.02 |
| 19 | 48 | 18 | 33 | 32 | 0 | 0.02 |
| 20 | 48 | 19 | 34 | 31 | 0 | 0.02 |
| 21 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 22 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 23 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 24 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 25 | 49 | 20 | 35 | 30 | 0 | 0.02 |
| 26 | 49 | 20 | 35 | 30 | 0 | 0.02 |
| 27 | 50 | 20 | 35 | 30 | 0 | 0.02 |
| 28 | 50 | 20 | 35 | 30 | 0 | 0.02 |
| MTH | 47.1 | 18.0 | 32.6 | 908 | 0 | 0.54 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 21 | 35 | 30 | 0 | 0.02 |
| 2 | 50 | 21 | 35 | 30 | 0 | 0.02 |
| 3 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 4 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 5 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 6 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 7 | 51 | 22 | 36 | 29 | 0 | 0.02 |
| 8 | 52 | 22 | 37 | 28 | 0 | 0.02 |
| 9 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 10 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 11 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 12 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 13 | 52 | 23 | 38 | 27 | 0 | 0.03 |
| 14 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 15 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 16 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 17 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 18 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 19 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 20 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 21 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 22 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 23 | 54 | 24 | 39 | 26 | 0 | 0.02 |
| 24 | 55 | 24 | 40 | 25 | 0 | 0.02 |
| 25 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 26 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 27 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 28 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 29 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| 30 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| 31 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| MTH | 53.1 | 23.1 | 38.1 | 834 | 0 | 0.76 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 25 | 41 | 24 | 0 | 0.02 |
| 2 | 57 | 26 | 41 | 24 | 0 | 0.02 |
| 3 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 4 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 5 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 6 | 59 | 26 | 42 | 23 | 0 | 0.02 |
| 7 | 59 | 26 | 42 | 23 | 0 | 0.02 |
| 8 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 9 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 10 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 11 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 12 | 60 | 27 | 44 | 21 | 0 | 0.02 |
| 13 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 14 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 15 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 16 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 17 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 18 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 19 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 20 | 62 | 29 | 46 | 19 | 0 | 0.02 |
| 21 | 62 | 29 | 46 | 19 | 0 | 0.02 |
| 22 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 23 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 24 | 63 | 30 | 47 | 18 | 0 | 0.02 |
| 25 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 26 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 27 | 63 | 31 | 47 | 18 | 0 | 0.03 |
| 28 | 64 | 31 | 48 | 17 | 0 | 0.03 |
| 29 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| 30 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| MTH | 60.6 | 28.4 | 44.5 | 615 | 0 | 0.64 |
| | 61.3 | 29.3 | 45.3 | 1814 | 5 | 2.30 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 65 | 33 | 49 | 16 | 0 | 0.02 |
| 2 | 65 | 34 | 49 | 16 | 0 | 0.03 |
| 3 | 65 | 34 | 49 | 16 | 0 | 0.03 |
| 4 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 5 | 67 | 34 | 50 | 15 | 0 | 0.03 |
| 6 | 67 | 34 | 50 | 15 | 0 | 0.03 |
| 7 | 67 | 34 | 51 | 14 | 0 | 0.03 |
| 8 | 67 | 34 | 51 | 14 | 0 | 0.03 |
| 9 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 10 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 11 | 68 | 35 | 52 | 13 | 0 | 0.03 |
| 12 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 13 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 14 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 15 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 16 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 17 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 18 | 71 | 37 | 54 | 11 | 0 | 0.03 |
| 19 | 71 | 37 | 54 | 11 | 0 | 0.03 |
| 20 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 21 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 22 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 23 | 73 | 38 | 56 | 9 | 0 | 0.03 |
| 24 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 25 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 26 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 27 | 74 | 39 | 57 | 9 | 1 | 0.03 |
| 28 | 75 | 39 | 57 | 9 | 1 | 0.03 |
| 29 | 75 | 40 | 58 | 8 | 1 | 0.03 |
| 30 | 75 | 40 | 58 | 8 | 1 | 0.02 |
| 31 | 76 | 40 | 58 | 8 | 1 | 0.02 |
| MTH | 70.2 | 36.5 | 53.4 | 365 | 5 | 0.90 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CIRCLEVILLE UTAH Station Number: 421432

Latitude: 38° 10* 14( Longitude: -112° 16* 43( Elevation (feet): 6050

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 42 | 59 | 7 | 1 | 0.02 |
| 2 | 77 | 42 | 59 | 7 | 1 | 0.02 |
| 3 | 77 | 42 | 59 | 7 | 1 | 0.02 |
| 4 | 77 | 42 | 59 | 7 | 1 | 0.02 |
| 5 | 78 | 43 | 60 | 6 | 1 | 0.02 |
| 6 | 78 | 43 | 60 | 6 | 1 | 0.02 |
| 7 | 78 | 43 | 60 | 6 | 1 | 0.02 |
| 8 | 79 | 43 | 61 | 5 | 1 | 0.02 |
| 9 | 79 | 43 | 61 | 5 | 1 | 0.02 |
| 10 | 79 | 43 | 61 | 5 | 1 | 0.02 |
| 11 | 80 | 43 | 61 | 5 | 1 | 0.02 |
| 12 | 80 | 43 | 62 | 5 | 2 | 0.02 |
| 13 | 81 | 43 | 62 | 5 | 2 | 0.02 |
| 14 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 15 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 16 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 17 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 18 | 82 | 45 | 64 | 3 | 2 | 0.02 |
| 19 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 20 | 83 | 45 | 64 | 3 | 2 | 0.01 |
| 21 | 83 | 46 | 65 | 3 | 3 | 0.01 |
| 22 | 83 | 46 | 65 | 3 | 3 | 0.01 |
| 23 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 24 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 25 | 84 | 47 | 66 | 2 | 3 | 0.02 |
| 26 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 27 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 28 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 29 | 85 | 48 | 67 | 2 | 4 | 0.02 |
| 30 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| MTH | 81.3 | 44.5 | 62.9 | 125 | 61 | 0.57 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 49 | 67 | 2 | 4 | 0.02 |
| 2 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 3 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 4 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 5 | 86 | 51 | 68 | 1 | 4 | 0.02 |
| 6 | 86 | 51 | 68 | 1 | 4 | 0.02 |
| 7 | 86 | 51 | 68 | 1 | 4 | 0.02 |
| 8 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 9 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 10 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 11 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 12 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 13 | 87 | 52 | 70 | 0 | 5 | 0.02 |
| 14 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 15 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 16 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 17 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 18 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 19 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 20 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 21 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 22 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 23 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 24 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 25 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 26 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 27 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 28 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 29 | 87 | 52 | 70 | 0 | 5 | 0.04 |
| 30 | 87 | 52 | 70 | 0 | 5 | 0.04 |
| 31 | 87 | 52 | 70 | 0 | 5 | 0.04 |
| MTH | 87.3 | 51.5 | 69.4 | 13 | 148 | 0.86 |
| SUMMER SEASON: | 84.4 | 48.6 | 66.5 | 163 | 307 | 2.85 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 52 | 70 | 0 | 5 | 0.04 |
| 2 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 3 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 4 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 5 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 6 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 7 | 87 | 52 | 69 | 0 | 4 | 0.04 |
| 8 | 87 | 52 | 69 | 0 | 4 | 0.05 |
| 9 | 87 | 52 | 69 | 0 | 4 | 0.05 |
| 10 | 86 | 52 | 69 | 0 | 4 | 0.05 |
| 11 | 86 | 52 | 69 | 0 | 4 | 0.05 |
| 12 | 86 | 51 | 69 | 0 | 4 | 0.05 |
| 13 | 85 | 51 | 68 | 0 | 3 | 0.05 |
| 14 | 85 | 51 | 68 | 0 | 3 | 0.05 |
| 15 | 85 | 50 | 68 | 0 | 3 | 0.05 |
| 16 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 17 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 18 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 19 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 20 | 84 | 49 | 67 | 1 | 3 | 0.05 |
| 21 | 84 | 49 | 67 | 1 | 3 | 0.05 |
| 22 | 84 | 49 | 67 | 1 | 3 | 0.05 |
| 23 | 84 | 49 | 67 | 1 | 3 | 0.05 |
| 24 | 83 | 48 | 66 | 1 | 2 | 0.05 |
| 25 | 83 | 47 | 65 | 2 | 2 | 0.05 |
| 26 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 27 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 28 | 82 | 47 | 65 | 2 | 2 | 0.04 |
| 29 | 82 | 47 | 65 | 2 | 2 | 0.04 |
| 30 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 31 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| MTH | 84.8 | 49.9 | 67.4 | 25 | 98 | 1.42 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 2 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 3 | 82 | 45 | 63 | 3 | 1 | 0.04 |
| 4 | 82 | 45 | 63 | 3 | 1 | 0.04 |
| 5 | 82 | 45 | 63 | 3 | 1 | 0.04 |
| 6 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 7 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 8 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 9 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 10 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 11 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 12 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 13 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 14 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 15 | 77 | 41 | 59 | 6 | 0 | 0.03 |
| 16 | 77 | 41 | 59 | 6 | 0 | 0.03 |
| 17 | 77 | 40 | 59 | 6 | 0 | 0.03 |
| 18 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 19 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 20 | 76 | 39 | 58 | 7 | 0 | 0.03 |
| 21 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 22 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 23 | 75 | 38 | 57 | 8 | 0 | 0.03 |
| 24 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 25 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 26 | 74 | 37 | 56 | 9 | 0 | 0.03 |
| 27 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 28 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 29 | 73 | 36 | 55 | 10 | 0 | 0.03 |
| 30 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| MTH | 77.3 | 41.0 | 59.2 | 191 | 16 | 0.95 |
| AUTUMN SEASON: | 65.2 | 30.5 | 47.9 | 1570 | 16 | 2.35 |
| *ANNUAL:* | 63.8 | 30.8 | 47.3 | 6752 | 328 | 9.07 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 2 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 3 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 4 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 5 | 71 | 34 | 52 | 13 | 0 | 0.03 |
| 6 | 71 | 34 | 52 | 13 | 0 | 0.03 |
| 7 | 70 | 33 | 52 | 13 | 0 | 0.03 |
| 8 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 9 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 10 | 69 | 32 | 51 | 14 | 0 | 0.03 |
| 11 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 12 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 13 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 14 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 15 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 16 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 17 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 18 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 19 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 20 | 64 | 29 | 47 | 18 | 0 | 0.03 |
| 21 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 22 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 23 | 63 | 28 | 46 | 19 | 0 | 0.03 |
| 24 | 63 | 27 | 45 | 20 | 0 | 0.03 |
| 25 | 62 | 27 | 45 | 20 | 0 | 0.03 |
| 26 | 62 | 26 | 44 | 21 | 0 | 0.03 |
| 27 | 61 | 26 | 44 | 21 | 0 | 0.03 |
| 28 | 60 | 26 | 43 | 22 | 0 | 0.03 |
| 29 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 30 | 60 | 25 | 43 | 22 | 0 | 0.02 |
| 31 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| MTH | 66.1 | 30.2 | 48.2 | 521 | 0 | 0.90 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 25 | 42 | 23 | 0 | 0.02 |
| 2 | 58 | 25 | 41 | 24 | 0 | 0.02 |
| 3 | 58 | 25 | 41 | 24 | 0 | 0.02 |
| 4 | 58 | 25 | 41 | 24 | 0 | 0.02 |
| 5 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 6 | 56 | 23 | 40 | 25 | 0 | 0.02 |
| 7 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 8 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 9 | 55 | 22 | 39 | 26 | 0 | 0.02 |
| 10 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 11 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 12 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 13 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 14 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 15 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 16 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 17 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 18 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 19 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 20 | 50 | 19 | 35 | 30 | 0 | 0.02 |
| 21 | 50 | 18 | 34 | 31 | 0 | 0.01 |
| 22 | 50 | 18 | 34 | 31 | 0 | 0.01 |
| 23 | 49 | 18 | 34 | 31 | 0 | 0.01 |
| 24 | 49 | 17 | 33 | 32 | 0 | 0.01 |
| 25 | 49 | 17 | 33 | 32 | 0 | 0.01 |
| 26 | 48 | 17 | 33 | 32 | 0 | 0.01 |
| 27 | 48 | 17 | 33 | 32 | 0 | 0.01 |
| 28 | 48 | 16 | 32 | 33 | 0 | 0.01 |
| 29 | 47 | 16 | 32 | 33 | 0 | 0.01 |
| 30 | 47 | 16 | 32 | 33 | 0 | 0.01 |
| MTH | 52.4 | 20.3 | 36.4 | 858 | 0 | 0.50 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: CIRCLEVILLE UTAH Station Number: 421432

Latitude: 38° 10* 14( Longitude: -112° 16* 43( Elevation (feet): 6050

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.00 | 0.01 | 0.00 | 4.13 |
| 0.010 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.03 | 0.00 | 0.01 | 0.00 | 4.48 |
| 0.050 | 0.03 | 0.04 | 0.05 | 0.03 | 0.09 | 0.00 | 0.07 | 0.19 | 0.10 | 0.00 | 0.05 | 0.00 | 5.56 |
| 0.100 | 0.07 | 0.10 | 0.13 | 0.09 | 0.20 | 0.00 | 0.17 | 0.30 | 0.17 | 0.06 | 0.08 | 0.03 | 6.20 |
| 0.200 | 0.14 | 0.18 | 0.25 | 0.19 | 0.35 | 0.11 | 0.31 | 0.50 | 0.31 | 0.20 | 0.15 | 0.10 | 7.04 |
| 0.300 | 0.23 | 0.26 | 0.36 | 0.29 | 0.48 | 0.21 | 0.43 | 0.70 | 0.44 | 0.34 | 0.22 | 0.17 | 7.69 |
| 0.400 | 0.32 | 0.34 | 0.47 | 0.39 | 0.62 | 0.31 | 0.56 | 0.91 | 0.58 | 0.49 | 0.30 | 0.24 | 8.28 |
| 0.500 | 0.43 | 0.43 | 0.60 | 0.50 | 0.76 | 0.42 | 0.70 | 1.14 | 0.74 | 0.66 | 0.38 | 0.31 | 8.86 |
| 0.600 | 0.57 | 0.54 | 0.75 | 0.63 | 0.92 | 0.55 | 0.86 | 1.41 | 0.93 | 0.86 | 0.48 | 0.41 | 9.46 |
| 0.700 | 0.74 | 0.67 | 0.93 | 0.79 | 1.11 | 0.71 | 1.06 | 1.74 | 1.16 | 1.11 | 0.61 | 0.52 | 10.14 |
| 0.800 | 0.98 | 0.84 | 1.18 | 1.01 | 1.37 | 0.93 | 1.32 | 2.19 | 1.48 | 1.45 | 0.78 | 0.68 | 10.97 |
| 0.900 | 1.40 | 1.12 | 1.58 | 1.37 | 1.79 | 1.30 | 1.74 | 2.92 | 2.00 | 2.03 | 1.07 | 0.94 | 12.20 |
| 0.950 | 1.81 | 1.39 | 1.97 | 1.72 | 2.18 | 1.66 | 2.14 | 3.63 | 2.51 | 2.60 | 1.35 | 1.19 | 13.27 |
| 0.990 | 2.77 | 2.00 | 2.84 | 2.51 | 3.06 | 2.48 | 3.05 | 5.22 | 3.67 | 3.89 | 1.99 | 1.77 | 15.45 |
| 0.995 | 3.18 | 2.26 | 3.21 | 2.85 | 3.43 | 2.83 | 3.42 | 5.89 | 4.16 | 4.44 | 2.27 | 2.02 | 16.31 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ENTERPRISE UTAH Station Number: 422558

Latitude: 37 B 34 * 22 ( Longitude: -113 B 42* 32 ( Elevation (feet): 5320

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 1.09 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.26 |
| | | | | | | 4.15 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.06 |
| 4 | | | | | | 0.06 |
| 5 | | | | | | 0.06 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.06 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.07 |
| 16 | | | | | | 0.07 |
| 17 | | | | | | 0.07 |
| 18 | | | | | | 0.07 |
| 19 | | | | | | 0.07 |
| 20 | | | | | | 0.07 |
| 21 | | | | | | 0.07 |
| 22 | | | | | | 0.07 |
| 23 | | | | | | 0.07 |
| 24 | | | | | | 0.07 |
| 25 | | | | | | 0.07 |
| 26 | | | | | | 0.07 |
| 27 | | | | | | 0.07 |
| 28 | | | | | | 0.07 |
| MTH | | | | | | 1.80 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.07 |
| 2 | | | | | | 0.07 |
| 3 | | | | | | 0.07 |
| 4 | | | | | | 0.07 |
| 5 | | | | | | 0.08 |
| 6 | | | | | | 0.08 |
| 7 | | | | | | 0.08 |
| 8 | | | | | | 0.07 |
| 9 | | | | | | 0.07 |
| 10 | | | | | | 0.07 |
| 11 | | | | | | 0.07 |
| 12 | | | | | | 0.07 |
| 13 | | | | | | 0.07 |
| 14 | | | | | | 0.07 |
| 15 | | | | | | 0.07 |
| 16 | | | | | | 0.07 |
| 17 | | | | | | 0.07 |
| 18 | | | | | | 0.07 |
| 19 | | | | | | 0.07 |
| 20 | | | | | | 0.07 |
| 21 | | | | | | 0.07 |
| 22 | | | | | | 0.07 |
| 23 | | | | | | 0.06 |
| 24 | | | | | | 0.06 |
| 25 | | | | | | 0.06 |
| 26 | | | | | | 0.06 |
| 27 | | | | | | 0.06 |
| 28 | | | | | | 0.06 |
| 29 | | | | | | 0.06 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 2.09 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| MTH | | | | | | 1.05 |
| | | | | | | 4.11 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.97 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ENTERPRISE UTAH Station Number: 422558

Latitude: 37° 34* 22( Longitude: -113° 42* 32( Elevation (feet): 5320

Climate Division: UT 04 South Central



| JUNE | | | | | | | JULY | | | | | | | AUGUST | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.02 | 1 | | | | | | 0.02 | 1 | | | | | | 0.03 |
| 2 | | | | | | 0.02 | 2 | | | | | | 0.02 | 2 | | | | | | 0.03 |
| 3 | | | | | | 0.02 | 3 | | | | | | 0.02 | 3 | | | | | | 0.03 |
| 4 | | | | | | 0.02 | 4 | | | | | | 0.02 | 4 | | | | | | 0.03 |
| 5 | | | | | | 0.02 | 5 | | | | | | 0.02 | 5 | | | | | | 0.03 |
| 6 | | | | | | 0.02 | 6 | | | | | | 0.02 | 6 | | | | | | 0.03 |
| 7 | | | | | | 0.02 | 7 | | | | | | 0.02 | 7 | | | | | | 0.03 |
| 8 | | | | | | 0.02 | 8 | | | | | | 0.03 | 8 | | | | | | 0.03 |
| 9 | | | | | | 0.02 | 9 | | | | | | 0.03 | 9 | | | | | | 0.03 |
| 10 | | | | | | 0.02 | 10 | | | | | | 0.03 | 10 | | | | | | 0.03 |
| 11 | | | | | | 0.02 | 11 | | | | | | 0.03 | 11 | | | | | | 0.03 |
| 12 | | | | | | 0.01 | 12 | | | | | | 0.03 | 12 | | | | | | 0.03 |
| 13 | | | | | | 0.01 | 13 | | | | | | 0.03 | 13 | | | | | | 0.03 |
| 14 | | | | | | 0.01 | 14 | | | | | | 0.03 | 14 | | | | | | 0.04 |
| 15 | | | | | | 0.01 | 15 | | | | | | 0.03 | 15 | | | | | | 0.04 |
| 16 | | | | | | 0.01 | 16 | | | | | | 0.03 | 16 | | | | | | 0.04 |
| 17 | | | | | | 0.01 | 17 | | | | | | 0.03 | 17 | | | | | | 0.04 |
| 18 | | | | | | 0.01 | 18 | | | | | | 0.03 | 18 | | | | | | 0.04 |
| 19 | | | | | | 0.01 | 19 | | | | | | 0.03 | 19 | | | | | | 0.04 |
| 20 | | | | | | 0.01 | 20 | | | | | | 0.03 | 20 | | | | | | 0.04 |
| 21 | | | | | | 0.01 | 21 | | | | | | 0.03 | 21 | | | | | | 0.04 |
| 22 | | | | | | 0.01 | 22 | | | | | | 0.03 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.01 | 23 | | | | | | 0.03 | 23 | | | | | | 0.04 |
| 24 | | | | | | 0.02 | 24 | | | | | | 0.03 | 24 | | | | | | 0.04 |
| 25 | | | | | | 0.02 | 25 | | | | | | 0.03 | 25 | | | | | | 0.04 |
| 26 | | | | | | 0.02 | 26 | | | | | | 0.03 | 26 | | | | | | 0.04 |
| 27 | | | | | | 0.02 | 27 | | | | | | 0.03 | 27 | | | | | | 0.04 |
| 28 | | | | | | 0.02 | 28 | | | | | | 0.03 | 28 | | | | | | 0.04 |
| 29 | | | | | | 0.02 | 29 | | | | | | 0.03 | 29 | | | | | | 0.04 |
| 30 | | | | | | 0.02 | 30 | | | | | | 0.04 | 30 | | | | | | 0.04 |
| | | | | | | | 31 | | | | | | 0.04 | 31 | | | | | | 0.04 |
| MTH | | | | | | 0.48 | MTH | | | | | | 0.88 | MTH | | | | | | 1.11 |
| | | | | | SUMMER SEASON: | | | | | | | | 2.47 | | | | | | | |

| SEPTEMBER | | | | | | | OCTOBER | | | | | | | NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.04 | 1 | | | | | | 0.05 | 1 | | | | | | 0.05 |
| 2 | | | | | | 0.04 | 2 | | | | | | 0.05 | 2 | | | | | | 0.05 |
| 3 | | | | | | 0.04 | 3 | | | | | | 0.05 | 3 | | | | | | 0.05 |
| 4 | | | | | | 0.04 | 4 | | | | | | 0.05 | 4 | | | | | | 0.05 |
| 5 | | | | | | 0.04 | 5 | | | | | | 0.05 | 5 | | | | | | 0.05 |
| 6 | | | | | | 0.04 | 6 | | | | | | 0.05 | 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 | 7 | | | | | | 0.05 | 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 | 8 | | | | | | 0.05 | 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 | 9 | | | | | | 0.05 | 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 | 10 | | | | | | 0.05 | 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 | 11 | | | | | | 0.05 | 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 | 12 | | | | | | 0.05 | 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 | 13 | | | | | | 0.05 | 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 | 14 | | | | | | 0.05 | 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 | 15 | | | | | | 0.05 | 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 | 16 | | | | | | 0.05 | 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 | 17 | | | | | | 0.06 | 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 | 18 | | | | | | 0.06 | 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 | 19 | | | | | | 0.05 | 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 | 20 | | | | | | 0.05 | 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 | 21 | | | | | | 0.05 | 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 | 22 | | | | | | 0.05 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 | 23 | | | | | | 0.05 | 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 | 24 | | | | | | 0.05 | 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 | 25 | | | | | | 0.05 | 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 | 26 | | | | | | 0.05 | 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 | 27 | | | | | | 0.05 | 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 | 28 | | | | | | 0.05 | 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 | 29 | | | | | | 0.05 | 29 | | | | | | 0.04 |
| 30 | | | | | | 0.05 | 30 | | | | | | 0.05 | 30 | | | | | | 0.04 |
| | | | | | | | 31 | | | | | | 0.05 | | | | | | | |
| MTH | | | | | | 1.21 | MTH | | | | | | 1.57 | MTH | | | | | | 1.25 |
| | | | | | AUTUMN SEASON: | | | | | | | | 4.03 | | | | | | | |
| | | | | | *ANNUAL:* | | | | | | | | 14.76 | | | | | | | |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ENTERPRISE UTAH Station Number: 422558

Latitude: 37° 34* 22( Longitude: -113° 42* 32( Elevation (feet): 5320

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.16 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 |
| 0.050 | 0.02 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 8.59 |
| 0.100 | 0.08 | 0.22 | 0.23 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.23 | 0.11 | 0.00 | 9.69 |
| 0.200 | 0.23 | 0.49 | 0.52 | 0.27 | 0.25 | 0.00 | 0.17 | 0.19 | 0.09 | 0.47 | 0.32 | 0.14 | 11.15 |
| 0.300 | 0.40 | 0.75 | 0.82 | 0.46 | 0.42 | 0.12 | 0.29 | 0.37 | 0.26 | 0.70 | 0.51 | 0.30 | 12.30 |
| 0.400 | 0.60 | 1.03 | 1.16 | 0.64 | 0.59 | 0.24 | 0.43 | 0.56 | 0.46 | 0.95 | 0.72 | 0.48 | 13.34 |
| 0.500 | 0.84 | 1.35 | 1.54 | 0.83 | 0.77 | 0.35 | 0.59 | 0.78 | 0.72 | 1.22 | 0.95 | 0.70 | 14.36 |
| 0.600 | 1.14 | 1.73 | 1.99 | 1.06 | 0.97 | 0.48 | 0.80 | 1.04 | 1.04 | 1.54 | 1.22 | 0.98 | 15.43 |
| 0.700 | 1.52 | 2.21 | 2.56 | 1.34 | 1.23 | 0.64 | 1.06 | 1.38 | 1.45 | 1.94 | 1.55 | 1.33 | 16.64 |
| 0.800 | 2.06 | 2.86 | 3.36 | 1.69 | 1.55 | 0.84 | 1.43 | 1.82 | 2.05 | 2.47 | 2.00 | 1.83 | 18.13 |
| 0.900 | 3.00 | 3.95 | 4.69 | 2.29 | 2.10 | 1.18 | 2.05 | 2.58 | 3.08 | 3.35 | 2.76 | 2.68 | 20.33 |
| 0.950 | 3.93 | 5.01 | 6.00 | 2.87 | 2.63 | 1.50 | 2.68 | 3.33 | 4.13 | 4.21 | 3.49 | 3.54 | 22.28 |
| 0.990 | 6.12 | 7.44 | 9.00 | 4.16 | 3.81 | 2.20 | 4.14 | 5.05 | 6.58 | 6.16 | 5.15 | 5.54 | 26.25 |
| 0.995 | 7.06 | 8.47 | 10.28 | 4.70 | 4.31 | 2.50 | 4.77 | 5.79 | 7.64 | 6.98 | 5.86 | 6.41 | 27.81 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: EPHRAIM SORENSENS FLD UTAH Station Number: 422578

Latitude: 39° 22* 14( Longitude: -111° 35* 09( Elevation (feet): 5510

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 2 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 3 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 4 | 42 | 17 | 30 | 35 | 0 | 0.03 |
| 5 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 6 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 7 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 8 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 9 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 10 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 11 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 12 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 13 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 14 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 15 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 16 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 17 | 38 | 14 | 26 | 39 | 0 | 0.02 |
| 18 | 38 | 14 | 26 | 39 | 0 | 0.02 |
| 19 | 38 | 14 | 26 | 39 | 0 | 0.02 |
| 20 | 38 | 14 | 26 | 39 | 0 | 0.02 |
| 21 | 38 | 14 | 26 | 39 | 0 | 0.02 |
| 22 | 37 | 14 | 26 | 39 | 0 | 0.03 |
| 23 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 24 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 25 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 26 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 27 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 28 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 29 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 30 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 31 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| MTH | 38.9 | 14.9 | 26.9 | 1181 | 0 | 0.88 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 2 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 3 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 4 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 5 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 6 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 7 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 8 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 9 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 10 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 11 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 12 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 13 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 14 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 15 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 16 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 17 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 18 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 19 | 37 | 14 | 25 | 40 | 0 | 0.03 |
| 20 | 37 | 14 | 26 | 39 | 0 | 0.03 |
| 21 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 22 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 23 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 24 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 25 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 26 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 27 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 28 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 29 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 30 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 31 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| MTH | 37.4 | 13.7 | 25.6 | 1221 | 0 | 1.01 |
| | 40.0 | 15.8 | 27.9 | 3346 | 0 | 2.97 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 16 | 28 | 37 | 0 | 0.03 |
| 2 | 41 | 16 | 28 | 37 | 0 | 0.03 |
| 3 | 41 | 16 | 28 | 37 | 0 | 0.03 |
| 4 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 5 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 6 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 7 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 8 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 9 | 42 | 17 | 30 | 35 | 0 | 0.04 |
| 10 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 11 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 12 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 13 | 43 | 18 | 31 | 34 | 0 | 0.04 |
| 14 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 15 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 16 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 17 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 18 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 19 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 20 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| 21 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 22 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 23 | 46 | 21 | 34 | 31 | 0 | 0.04 |
| 24 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 25 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 26 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 27 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 28 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| MTH | 43.7 | 18.8 | 31.3 | 944 | 0 | 1.08 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 49 | 23 | 36 | 29 | 0 | 0.04 |
| 2 | 49 | 24 | 36 | 29 | 0 | 0.04 |
| 3 | 49 | 24 | 36 | 29 | 0 | 0.04 |
| 4 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 5 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 6 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 7 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 8 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 9 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 10 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 11 | 52 | 25 | 39 | 26 | 0 | 0.05 |
| 12 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 13 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 14 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 15 | 53 | 26 | 40 | 25 | 0 | 0.05 |
| 16 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 17 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 18 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 19 | 54 | 27 | 41 | 24 | 0 | 0.05 |
| 20 | 54 | 27 | 41 | 24 | 0 | 0.05 |
| 21 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 22 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 23 | 55 | 28 | 42 | 23 | 0 | 0.04 |
| 24 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| 25 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| 26 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| 27 | 56 | 29 | 43 | 22 | 0 | 0.04 |
| 28 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 29 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 30 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 31 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| MTH | 53.1 | 26.4 | 39.8 | 782 | 0 | 1.39 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 30 | 44 | 21 | 0 | 0.04 |
| 2 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 3 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 4 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 5 | 59 | 30 | 44 | 21 | 0 | 0.04 |
| 6 | 59 | 30 | 45 | 20 | * | 0.04 |
| 7 | 60 | 30 | 45 | 20 | * | 0.04 |
| 8 | 60 | 30 | 45 | 20 | * | 0.04 |
| 9 | 60 | 31 | 45 | 20 | * | 0.04 |
| 10 | 60 | 31 | 46 | 20 | * | 0.04 |
| 11 | 61 | 31 | 46 | 19 | * | 0.04 |
| 12 | 61 | 31 | 46 | 19 | * | 0.04 |
| 13 | 61 | 31 | 46 | 19 | * | 0.03 |
| 14 | 61 | 32 | 47 | 19 | * | 0.03 |
| 15 | 62 | 32 | 47 | 18 | * | 0.03 |
| 16 | 62 | 32 | 47 | 18 | * | 0.03 |
| 17 | 62 | 32 | 47 | 18 | * | 0.03 |
| 18 | 62 | 33 | 48 | 18 | * | 0.03 |
| 19 | 63 | 33 | 48 | 17 | * | 0.04 |
| 20 | 63 | 33 | 48 | 17 | * | 0.04 |
| 21 | 63 | 33 | 48 | 17 | * | 0.04 |
| 22 | 64 | 33 | 49 | 16 | * | 0.04 |
| 23 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 24 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 25 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 26 | 65 | 34 | 50 | 15 | 0 | 0.04 |
| 27 | 66 | 34 | 50 | 15 | 0 | 0.04 |
| 28 | 66 | 34 | 50 | 15 | 0 | 0.04 |
| 29 | 66 | 35 | 51 | 14 | 0 | 0.04 |
| 30 | 67 | 35 | 51 | 14 | 0 | 0.04 |
| MTH | 62.1 | 32.0 | 47.1 | 541 | 3 | 1.14 |
| | 62.6 | 32.6 | 47.6 | 1618 | 18 | 3.82 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 36 | 51 | 14 | 0 | 0.04 |
| 2 | 67 | 36 | 51 | 14 | 0 | 0.04 |
| 3 | 68 | 37 | 52 | 13 | 0 | 0.04 |
| 4 | 68 | 37 | 52 | 13 | 0 | 0.04 |
| 5 | 68 | 37 | 52 | 13 | 0 | 0.04 |
| 6 | 69 | 37 | 53 | 12 | 0 | 0.04 |
| 7 | 70 | 37 | 53 | 12 | 0 | 0.04 |
| 8 | 70 | 37 | 53 | 12 | 0 | 0.05 |
| 9 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 10 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 11 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 12 | 71 | 38 | 55 | 10 | 0 | 0.05 |
| 13 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 14 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 15 | 72 | 39 | 56 | 9 | 0 | 0.04 |
| 16 | 72 | 39 | 56 | 9 | 0 | 0.04 |
| 17 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 18 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 19 | 74 | 40 | 57 | 9 | 1 | 0.04 |
| 20 | 74 | 40 | 57 | 9 | 1 | 0.04 |
| 21 | 74 | 41 | 58 | 8 | 1 | 0.04 |
| 22 | 75 | 41 | 58 | 8 | 1 | 0.04 |
| 23 | 75 | 41 | 58 | 8 | 1 | 0.04 |
| 24 | 76 | 41 | 59 | 7 | 1 | 0.04 |
| 25 | 76 | 42 | 59 | 7 | 1 | 0.04 |
| 26 | 76 | 42 | 59 | 7 | 1 | 0.04 |
| 27 | 77 | 42 | 60 | 6 | 1 | 0.04 |
| 28 | 77 | 42 | 60 | 6 | 1 | 0.04 |
| 29 | 78 | 42 | 60 | 6 | 1 | 0.04 |
| 30 | 78 | 43 | 61 | 6 | 2 | 0.03 |
| 31 | 79 | 43 | 61 | 6 | 2 | 0.03 |
| MTH | 72.6 | 39.4 | 56.0 | 295 | 15 | 1.29 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: EPHRAIM SORENSENS FLD UTAH Station Number: 422578

Latitude: 39° 22* 14( Longitude: -111° 35* 09( Elevation (feet): 5510

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 44 | 61 | 6 | 2 | 0.03 |
| 2 | 80 | 44 | 62 | 5 | 2 | 0.03 |
| 3 | 81 | 44 | 62 | 5 | 2 | 0.03 |
| 4 | 81 | 44 | 62 | 5 | 2 | 0.03 |
| 5 | 81 | 44 | 63 | 4 | 2 | 0.03 |
| 6 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 7 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 8 | 82 | 45 | 64 | 4 | 3 | 0.02 |
| 9 | 82 | 45 | 64 | 4 | 3 | 0.02 |
| 10 | 83 | 45 | 64 | 4 | 3 | 0.02 |
| 11 | 83 | 45 | 64 | 4 | 3 | 0.02 |
| 12 | 83 | 46 | 65 | 3 | 3 | 0.02 |
| 13 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 14 | 84 | 47 | 66 | 3 | 4 | 0.02 |
| 15 | 85 | 47 | 66 | 3 | 4 | 0.02 |
| 16 | 85 | 47 | 66 | 3 | 4 | 0.02 |
| 17 | 85 | 47 | 66 | 3 | 4 | 0.02 |
| 18 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 19 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 20 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 21 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 22 | 87 | 49 | 68 | 2 | 5 | 0.02 |
| 23 | 87 | 49 | 68 | 2 | 5 | 0.02 |
| 24 | 87 | 49 | 68 | 2 | 5 | 0.02 |
| 25 | 87 | 49 | 68 | 2 | 5 | 0.02 |
| 26 | 87 | 49 | 68 | 2 | 5 | 0.02 |
| 27 | 88 | 50 | 69 | 2 | 6 | 0.02 |
| 28 | 89 | 50 | 70 | 1 | 6 | 0.02 |
| 29 | 89 | 51 | 70 | 1 | 6 | 0.02 |
| 30 | 89 | 51 | 70 | 1 | 6 | 0.02 |
| MTH | 84.5 | 47.0 | 65.8 | 90 | 113 | 0.67 |
| | | | | | SUMMER SEASON: | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 51 | 71 | 1 | 7 | 0.02 |
| 2 | 90 | 51 | 71 | 1 | 7 | 0.02 |
| 3 | 90 | 52 | 71 | 1 | 7 | 0.02 |
| 4 | 90 | 52 | 71 | 1 | 7 | 0.02 |
| 5 | 90 | 52 | 71 | 1 | 7 | 0.02 |
| 6 | 91 | 52 | 71 | 1 | 7 | 0.02 |
| 7 | 91 | 53 | 72 | 1 | 8 | 0.02 |
| 8 | 92 | 53 | 73 | 0 | 8 | 0.02 |
| 9 | 92 | 53 | 73 | 0 | 8 | 0.02 |
| 10 | 92 | 53 | 73 | 0 | 8 | 0.02 |
| 11 | 92 | 53 | 73 | 0 | 8 | 0.02 |
| 12 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 13 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 14 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 15 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 16 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 17 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 18 | 92 | 54 | 73 | 0 | 8 | 0.03 |
| 19 | 92 | 54 | 73 | 0 | 8 | 0.03 |
| 20 | 92 | 54 | 73 | 0 | 8 | 0.03 |
| 21 | 92 | 55 | 74 | 0 | 9 | 0.03 |
| 22 | 93 | 55 | 74 | 0 | 9 | 0.03 |
| 23 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 24 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 25 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 26 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 27 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 28 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 29 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 30 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| 31 | 92 | 55 | 73 | 0 | 8 | 0.03 |
| MTH | 91.7 | 53.7 | 72.7 | 7 | 244 | 0.76 |
| | 88.3 | 51.0 | 69.7 | 103 | 539 | 2.28 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 92 | 54 | 73 | 0 | 8 | 0.03 |
| 2 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 3 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 4 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 5 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 6 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 7 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 8 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 9 | 90 | 54 | 72 | 0 | 7 | 0.02 |
| 10 | 90 | 54 | 72 | 0 | 7 | 0.03 |
| 11 | 90 | 54 | 72 | 0 | 7 | 0.03 |
| 12 | 90 | 53 | 72 | 0 | 7 | 0.03 |
| 13 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 14 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 15 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 16 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 17 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 18 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 19 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 20 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 21 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 22 | 88 | 51 | 70 | 0 | 5 | 0.03 |
| 23 | 88 | 51 | 70 | 0 | 5 | 0.03 |
| 24 | 88 | 51 | 70 | 0 | 5 | 0.03 |
| 25 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| 26 | 86 | 50 | 68 | 1 | 4 | 0.03 |
| 27 | 86 | 50 | 68 | 1 | 4 | 0.03 |
| 28 | 86 | 50 | 68 | 1 | 4 | 0.03 |
| 29 | 85 | 50 | 68 | 1 | 4 | 0.03 |
| 30 | 85 | 50 | 68 | 1 | 4 | 0.03 |
| 31 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| MTH | 88.9 | 52.4 | 70.7 | 6 | 182 | 0.85 |

**SEPTEMBER**

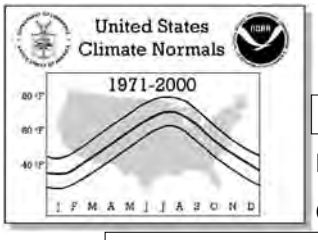
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 49 | 66 | 2 | 3 | 0.03 |
| 2 | 84 | 49 | 66 | 2 | 3 | 0.04 |
| 3 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 4 | 83 | 48 | 66 | 2 | 3 | 0.04 |
| 5 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 6 | 82 | 47 | 65 | 2 | 2 | 0.04 |
| 7 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 8 | 81 | 46 | 64 | 3 | 2 | 0.04 |
| 9 | 81 | 46 | 64 | 3 | 2 | 0.04 |
| 10 | 81 | 45 | 63 | 4 | 2 | 0.04 |
| 11 | 80 | 45 | 63 | 4 | 2 | 0.04 |
| 12 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 13 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 14 | 79 | 44 | 62 | 4 | 1 | 0.04 |
| 15 | 79 | 44 | 62 | 4 | 1 | 0.04 |
| 16 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 17 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 18 | 77 | 43 | 60 | 6 | 1 | 0.04 |
| 19 | 77 | 43 | 60 | 6 | 1 | 0.04 |
| 20 | 77 | 43 | 60 | 6 | 1 | 0.04 |
| 21 | 76 | 43 | 60 | 6 | 1 | 0.04 |
| 22 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 23 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 24 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 25 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 26 | 74 | 41 | 58 | 7 | 0 | 0.04 |
| 27 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 28 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 29 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 30 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| MTH | 78.5 | 44.0 | 61.3 | 146 | 36 | 1.19 |
| | | | | | AUTUMN SEASON: | |
| | | | | | *ANNUAL:* | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 39 | 56 | 10 | 1 | 0.04 |
| 2 | 73 | 39 | 56 | 10 | 1 | 0.04 |
| 3 | 72 | 39 | 55 | 10 | 0 | 0.04 |
| 4 | 72 | 39 | 55 | 10 | 0 | 0.05 |
| 5 | 71 | 38 | 54 | 11 | 0 | 0.05 |
| 6 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 7 | 70 | 36 | 53 | 12 | 0 | 0.05 |
| 8 | 70 | 36 | 53 | 12 | * | 0.05 |
| 9 | 69 | 36 | 53 | 12 | * | 0.05 |
| 10 | 68 | 36 | 52 | 13 | * | 0.05 |
| 11 | 68 | 36 | 52 | 13 | * | 0.05 |
| 12 | 67 | 36 | 52 | 14 | * | 0.05 |
| 13 | 67 | 35 | 51 | 14 | * | 0.05 |
| 14 | 67 | 35 | 51 | 14 | * | 0.04 |
| 15 | 66 | 34 | 50 | 15 | * | 0.04 |
| 16 | 66 | 34 | 50 | 15 | * | 0.04 |
| 17 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 18 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 19 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 20 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 21 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 22 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 23 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 24 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 25 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 26 | 60 | 31 | 46 | 19 | 0 | 0.04 |
| 27 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 28 | 59 | 30 | 45 | 20 | 0 | 0.04 |
| 29 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 30 | 58 | 29 | 44 | 21 | 0 | 0.04 |
| 31 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| MTH | 65.5 | 34.0 | 49.8 | 475 | 3 | 1.34 |
| | 64.4 | 33.9 | 49.2 | 1474 | 39 | 3.63 |
| | 63.8 | 33.3 | 48.6 | 6541 | 596 | 12.70 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 2 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 3 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 4 | 55 | 28 | 42 | 23 | 0 | 0.04 |
| 5 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 6 | 54 | 27 | 40 | 25 | 0 | 0.04 |
| 7 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 8 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 9 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 10 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 11 | 51 | 25 | 38 | 27 | 0 | 0.04 |
| 12 | 51 | 25 | 38 | 27 | 0 | 0.04 |
| 13 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 14 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 15 | 49 | 24 | 37 | 28 | 0 | 0.04 |
| 16 | 49 | 23 | 36 | 29 | 0 | 0.04 |
| 17 | 48 | 23 | 36 | 29 | 0 | 0.04 |
| 18 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 19 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 20 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 21 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 22 | 46 | 22 | 34 | 31 | 0 | 0.03 |
| 23 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 24 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 25 | 45 | 21 | 33 | 32 | 0 | 0.03 |
| 26 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| 27 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| 28 | 44 | 19 | 32 | 33 | 0 | 0.03 |
| 29 | 43 | 19 | 31 | 34 | 0 | 0.03 |
| 30 | 43 | 19 | 31 | 34 | 0 | 0.03 |
| MTH | 49.3 | 23.8 | 36.6 | 853 | 0 | 1.10 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: EPHRAIM SORENSENS FLD UTAH Station Number: 422578

Latitude: 39° 22' 14" Longitude: -111° 35' 09" Elevation (feet): 5510

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.04 | 0.05 | 0.06 | 0.07 | 0.06 | 0.00 | 0.02 | 0.03 | 0.04 | 0.00 | 0.04 | 0.00 | 5.59 |
| 0.010 | 0.07 | 0.07 | 0.09 | 0.09 | 0.09 | 0.00 | 0.03 | 0.04 | 0.06 | 0.00 | 0.06 | 0.00 | 6.09 |
| 0.050 | 0.16 | 0.17 | 0.23 | 0.21 | 0.22 | 0.00 | 0.10 | 0.11 | 0.16 | 0.22 | 0.17 | 0.12 | 7.62 |
| 0.100 | 0.25 | 0.26 | 0.35 | 0.32 | 0.34 | 0.00 | 0.16 | 0.18 | 0.26 | 0.41 | 0.26 | 0.23 | 8.54 |
| 0.200 | 0.40 | 0.42 | 0.56 | 0.48 | 0.52 | 0.11 | 0.27 | 0.30 | 0.43 | 0.63 | 0.42 | 0.38 | 9.76 |
| 0.300 | 0.54 | 0.57 | 0.75 | 0.64 | 0.70 | 0.21 | 0.38 | 0.42 | 0.60 | 0.82 | 0.57 | 0.51 | 10.70 |
| 0.400 | 0.68 | 0.72 | 0.94 | 0.80 | 0.88 | 0.33 | 0.49 | 0.55 | 0.77 | 1.00 | 0.73 | 0.63 | 11.55 |
| 0.500 | 0.84 | 0.89 | 1.16 | 0.97 | 1.08 | 0.46 | 0.61 | 0.69 | 0.96 | 1.19 | 0.90 | 0.76 | 12.39 |
| 0.600 | 1.02 | 1.08 | 1.40 | 1.16 | 1.30 | 0.62 | 0.75 | 0.85 | 1.18 | 1.40 | 1.10 | 0.91 | 13.27 |
| 0.700 | 1.23 | 1.32 | 1.70 | 1.39 | 1.57 | 0.83 | 0.93 | 1.04 | 1.46 | 1.64 | 1.34 | 1.08 | 14.25 |
| 0.800 | 1.53 | 1.63 | 2.10 | 1.70 | 1.93 | 1.11 | 1.17 | 1.31 | 1.82 | 1.96 | 1.66 | 1.31 | 15.47 |
| 0.900 | 2.00 | 2.14 | 2.74 | 2.20 | 2.52 | 1.59 | 1.56 | 1.75 | 2.42 | 2.47 | 2.18 | 1.67 | 17.26 |
| 0.950 | 2.45 | 2.63 | 3.35 | 2.68 | 3.07 | 2.07 | 1.94 | 2.17 | 3.00 | 2.95 | 2.69 | 2.01 | 18.83 |
| 0.990 | 3.46 | 3.71 | 4.72 | 3.73 | 4.31 | 3.16 | 2.80 | 3.11 | 4.30 | 3.98 | 3.81 | 2.76 | 22.03 |
| 0.995 | 3.88 | 4.17 | 5.30 | 4.16 | 4.83 | 3.63 | 3.16 | 3.51 | 4.85 | 4.41 | 4.28 | 3.08 | 23.28 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ESCALANTE UTAH Station Number: 422592

Latitude: 37° 46* 06( Longitude: -111° 35* 52( Elevation (feet): 5810

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 20 | 33 | 32 | 0 | 0.02 |
| 2 | 47 | 20 | 33 | 32 | 0 | 0.02 |
| 3 | 47 | 20 | 33 | 32 | 0 | 0.02 |
| 4 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 5 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 6 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 7 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 8 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 9 | 44 | 18 | 31 | 34 | 0 | 0.01 |
| 10 | 44 | 18 | 31 | 34 | 0 | 0.01 |
| 11 | 44 | 18 | 31 | 34 | 0 | 0.01 |
| 12 | 44 | 18 | 31 | 34 | 0 | 0.01 |
| 13 | 44 | 17 | 31 | 34 | 0 | 0.01 |
| 14 | 43 | 17 | 30 | 35 | 0 | 0.01 |
| 15 | 43 | 17 | 30 | 35 | 0 | 0.01 |
| 16 | 43 | 17 | 30 | 35 | 0 | 0.01 |
| 17 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 18 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 19 | 43 | 16 | 30 | 35 | 0 | 0.02 |
| 20 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 21 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 22 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 23 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 24 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 25 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 26 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 27 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 28 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 29 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 30 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 31 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| MTH | 43.5 | 17.1 | 30.3 | 1076 | 0 | 0.54 |
| WINTER SEASON: | | | | | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 2 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 3 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 4 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 5 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 6 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 7 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 8 | 41 | 14 | 28 | 37 | 0 | 0.03 |
| 9 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 10 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 11 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 12 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 13 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 14 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 15 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 16 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 17 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 18 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 19 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 20 | 42 | 15 | 29 | 36 | 0 | 0.03 |
| 21 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 22 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 23 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 24 | 42 | 16 | 29 | 36 | 0 | 0.03 |
| 25 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 26 | 43 | 16 | 30 | 35 | 0 | 0.03 |
| 27 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 28 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 29 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 30 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 31 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| MTH | 41.9 | 15.5 | 28.7 | 1125 | 0 | 0.90 |
| WINTER SEASON: | 44.3 | 18.0 | 31.2 | 3055 | 0 | 2.23 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 18 | 31 | 34 | 0 | 0.03 |
| 2 | 45 | 18 | 31 | 34 | 0 | 0.03 |
| 3 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 4 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 5 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 6 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 7 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 8 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 9 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 10 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 11 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 12 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 13 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 14 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 15 | 48 | 22 | 35 | 30 | 0 | 0.02 |
| 16 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 17 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 18 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 19 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 20 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 21 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 22 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 23 | 50 | 23 | 37 | 28 | 0 | 0.03 |
| 24 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 25 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 26 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 27 | 51 | 24 | 38 | 27 | 0 | 0.03 |
| 28 | 51 | 24 | 38 | 27 | 0 | 0.03 |
| MTH | 47.6 | 21.4 | 34.5 | 854 | 0 | 0.79 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 25 | 38 | 27 | 0 | 0.03 |
| 2 | 52 | 25 | 38 | 27 | 0 | 0.03 |
| 3 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 4 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 5 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 6 | 53 | 26 | 39 | 26 | 0 | 0.03 |
| 7 | 53 | 26 | 40 | 25 | 0 | 0.03 |
| 8 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 9 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 10 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 11 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 12 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 13 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 14 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 15 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 16 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 17 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 18 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 19 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 20 | 57 | 28 | 43 | 22 | 0 | 0.03 |
| 21 | 57 | 28 | 43 | 22 | 0 | 0.03 |
| 22 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 23 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 24 | 58 | 29 | 44 | 21 | 0 | 0.03 |
| 25 | 59 | 29 | 44 | 21 | 0 | 0.03 |
| 26 | 59 | 29 | 44 | 21 | 0 | 0.03 |
| 27 | 59 | 29 | 44 | 21 | 0 | 0.03 |
| 28 | 59 | 29 | 44 | 21 | 0 | 0.03 |
| 29 | 60 | 30 | 45 | 20 | 0 | 0.03 |
| 30 | 60 | 30 | 45 | 20 | 0 | 0.03 |
| 31 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| MTH | 56.0 | 27.4 | 41.7 | 722 | 0 | 0.92 |
| SPRING SEASON: | | | | | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 61 | 30 | 45 | 20 | 0 | 0.02 |
| 2 | 61 | 31 | 46 | 19 | 0 | 0.02 |
| 3 | 61 | 31 | 46 | 19 | 0 | 0.02 |
| 4 | 61 | 31 | 46 | 19 | 0 | 0.02 |
| 5 | 61 | 31 | 46 | 19 | 0 | 0.02 |
| 6 | 62 | 31 | 46 | 19 | 0 | 0.02 |
| 7 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 8 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 9 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 10 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 11 | 63 | 32 | 48 | 17 | 0 | 0.02 |
| 12 | 64 | 32 | 48 | 17 | 0 | 0.02 |
| 13 | 64 | 32 | 48 | 17 | 0 | 0.01 |
| 14 | 64 | 32 | 48 | 17 | 0 | 0.01 |
| 15 | 64 | 33 | 49 | 16 | 0 | 0.01 |
| 16 | 65 | 33 | 49 | 16 | 0 | 0.01 |
| 17 | 65 | 33 | 49 | 16 | 0 | 0.01 |
| 18 | 65 | 33 | 49 | 16 | 0 | 0.01 |
| 19 | 66 | 34 | 50 | 15 | 0 | 0.01 |
| 20 | 66 | 34 | 50 | 15 | 0 | 0.01 |
| 21 | 66 | 34 | 50 | 15 | 0 | 0.01 |
| 22 | 66 | 34 | 50 | 15 | 0 | 0.01 |
| 23 | 67 | 35 | 51 | 14 | 0 | 0.01 |
| 24 | 67 | 35 | 51 | 14 | 0 | 0.02 |
| 25 | 67 | 35 | 51 | 14 | 0 | 0.02 |
| 26 | 67 | 35 | 51 | 14 | 0 | 0.02 |
| 27 | 68 | 36 | 52 | 13 | 0 | 0.02 |
| 28 | 68 | 36 | 52 | 13 | 0 | 0.02 |
| 29 | 69 | 36 | 53 | 13 | 1 | 0.02 |
| 30 | 69 | 36 | 53 | 13 | 1 | 0.02 |
| MTH | 64.6 | 33.0 | 48.8 | 487 | 2 | 0.49 |
| SPRING SEASON: | 65.0 | 33.6 | 49.3 | 1466 | 25 | 2.06 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 69 | 37 | 53 | 12 | 0 | 0.02 |
| 2 | 69 | 37 | 53 | 12 | 0 | 0.02 |
| 3 | 69 | 38 | 53 | 12 | 0 | 0.02 |
| 4 | 71 | 38 | 54 | 11 | 0 | 0.02 |
| 5 | 71 | 38 | 54 | 11 | 0 | 0.02 |
| 6 | 71 | 38 | 54 | 11 | 0 | 0.02 |
| 7 | 72 | 38 | 55 | 10 | 0 | 0.02 |
| 8 | 72 | 38 | 55 | 10 | 0 | 0.02 |
| 9 | 72 | 38 | 55 | 10 | 0 | 0.02 |
| 10 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 11 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 12 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 13 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 14 | 73 | 40 | 57 | 9 | 1 | 0.03 |
| 15 | 74 | 40 | 57 | 9 | 1 | 0.03 |
| 16 | 74 | 41 | 58 | 8 | 1 | 0.03 |
| 17 | 75 | 41 | 58 | 8 | 1 | 0.02 |
| 18 | 75 | 41 | 58 | 8 | 1 | 0.02 |
| 19 | 75 | 41 | 58 | 8 | 1 | 0.02 |
| 20 | 76 | 41 | 59 | 7 | 1 | 0.02 |
| 21 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 22 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 23 | 77 | 42 | 60 | 6 | 1 | 0.02 |
| 24 | 77 | 42 | 60 | 6 | 1 | 0.02 |
| 25 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| 26 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| 27 | 78 | 43 | 61 | 6 | 2 | 0.02 |
| 28 | 79 | 43 | 61 | 6 | 2 | 0.02 |
| 29 | 79 | 44 | 62 | 5 | 2 | 0.02 |
| 30 | 80 | 44 | 62 | 5 | 2 | 0.02 |
| 31 | 80 | 44 | 62 | 5 | 2 | 0.02 |
| MTH | 74.5 | 40.4 | 57.5 | 257 | 23 | 0.65 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ESCALANTE UTAH Station Number: 422592

Latitude: 37° 46* 06( Longitude: -111° 35* 52( Elevation (feet): 5810

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 2 | 82 | 45 | 63 | 4 | 2 | 0.02 |
| 3 | 82 | 45 | 63 | 4 | 2 | 0.02 |
| 4 | 82 | 45 | 63 | 4 | 2 | 0.02 |
| 5 | 82 | 45 | 63 | 4 | 2 | 0.02 |
| 6 | 83 | 45 | 64 | 4 | 3 | 0.02 |
| 7 | 83 | 46 | 65 | 3 | 3 | 0.02 |
| 8 | 84 | 46 | 65 | 3 | 3 | 0.01 |
| 9 | 84 | 46 | 65 | 3 | 3 | 0.01 |
| 10 | 84 | 47 | 66 | 3 | 4 | 0.01 |
| 11 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 12 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 13 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 14 | 86 | 47 | 67 | 2 | 4 | 0.01 |
| 15 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 16 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 17 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 18 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 19 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 20 | 87 | 49 | 68 | 2 | 5 | 0.01 |
| 21 | 87 | 50 | 69 | 1 | 5 | 0.01 |
| 22 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 23 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 24 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 25 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 26 | 89 | 51 | 70 | 1 | 6 | 0.01 |
| 27 | 89 | 51 | 70 | 1 | 6 | 0.01 |
| 28 | 89 | 51 | 70 | 1 | 6 | 0.01 |
| 29 | 89 | 51 | 70 | 1 | 6 | 0.01 |
| 30 | 89 | 51 | 70 | 1 | 6 | 0.01 |
| MTH | 85.7 | 47.9 | 66.8 | 66 | 119 | 0.37 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 52 | 70 | 1 | 6 | 0.01 |
| 2 | 90 | 53 | 71 | 1 | 7 | 0.01 |
| 3 | 90 | 53 | 72 | 0 | 7 | 0.01 |
| 4 | 90 | 53 | 72 | 0 | 7 | 0.01 |
| 5 | 90 | 54 | 72 | 0 | 7 | 0.02 |
| 6 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 7 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 8 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 9 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 10 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 11 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 12 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 13 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 14 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 15 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 16 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 17 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 18 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 19 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 20 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 21 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 22 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 23 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 24 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 25 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 26 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 27 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 28 | 91 | 55 | 73 | 0 | 8 | 0.04 |
| 29 | 91 | 55 | 73 | 0 | 8 | 0.04 |
| 30 | 91 | 55 | 73 | 0 | 8 | 0.04 |
| 31 | 90 | 55 | 73 | 0 | 8 | 0.04 |
| MTH | 90.8 | 54.5 | 72.7 | 2 | 240 | 0.76 |
| SUMMER SEASON: | 88.0 | 51.9 | 69.9 | 83 | 540 | 2.65 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 55 | 73 | 0 | 8 | 0.04 |
| 2 | 90 | 55 | 73 | 0 | 8 | 0.04 |
| 3 | 90 | 55 | 73 | 0 | 8 | 0.04 |
| 4 | 90 | 55 | 72 | 0 | 7 | 0.05 |
| 5 | 90 | 55 | 72 | 0 | 7 | 0.05 |
| 6 | 90 | 55 | 72 | 0 | 7 | 0.05 |
| 7 | 90 | 55 | 72 | 0 | 7 | 0.05 |
| 8 | 89 | 55 | 72 | 0 | 7 | 0.05 |
| 9 | 89 | 55 | 72 | 0 | 7 | 0.05 |
| 10 | 89 | 55 | 72 | 0 | 7 | 0.05 |
| 11 | 89 | 55 | 72 | 0 | 7 | 0.05 |
| 12 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 13 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 14 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 15 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 16 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 17 | 87 | 53 | 70 | 1 | 6 | 0.05 |
| 18 | 87 | 53 | 70 | 1 | 6 | 0.05 |
| 19 | 87 | 53 | 70 | 1 | 6 | 0.05 |
| 20 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 21 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 22 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 23 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 24 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 25 | 86 | 52 | 69 | 1 | 5 | 0.05 |
| 26 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 27 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 28 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 29 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 30 | 84 | 51 | 68 | 1 | 4 | 0.05 |
| 31 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| MTH | 87.5 | 53.3 | 70.4 | 15 | 181 | 1.52 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 2 | 83 | 50 | 66 | 2 | 3 | 0.04 |
| 3 | 83 | 50 | 66 | 2 | 3 | 0.04 |
| 4 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 5 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 6 | 82 | 48 | 65 | 2 | 2 | 0.04 |
| 7 | 82 | 48 | 65 | 2 | 2 | 0.04 |
| 8 | 82 | 48 | 65 | 2 | 2 | 0.04 |
| 9 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 10 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 11 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 12 | 81 | 46 | 64 | 3 | 2 | 0.04 |
| 13 | 81 | 46 | 64 | 3 | 2 | 0.04 |
| 14 | 80 | 46 | 63 | 3 | 1 | 0.04 |
| 15 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 16 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 17 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 18 | 79 | 45 | 62 | 4 | 1 | 0.03 |
| 19 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 20 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 21 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 22 | 77 | 43 | 60 | 6 | 1 | 0.03 |
| 23 | 77 | 43 | 60 | 6 | 1 | 0.03 |
| 24 | 77 | 43 | 60 | 6 | 1 | 0.03 |
| 25 | 76 | 42 | 59 | 6 | 0 | 0.03 |
| 26 | 76 | 42 | 59 | 6 | 0 | 0.03 |
| 27 | 75 | 42 | 59 | 6 | 0 | 0.04 |
| 28 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 29 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 30 | 74 | 41 | 58 | 7 | 0 | 0.04 |
| MTH | 79.3 | 45.4 | 62.4 | 121 | 42 | 1.12 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 41 | 58 | 8 | 1 | 0.03 |
| 2 | 74 | 41 | 57 | 9 | 1 | 0.04 |
| 3 | 74 | 41 | 57 | 9 | 1 | 0.04 |
| 4 | 73 | 40 | 56 | 9 | 0 | 0.04 |
| 5 | 72 | 40 | 56 | 9 | 0 | 0.04 |
| 6 | 72 | 39 | 55 | 10 | 0 | 0.04 |
| 7 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 8 | 71 | 38 | 55 | 10 | 0 | 0.04 |
| 9 | 70 | 38 | 54 | 11 | 0 | 0.04 |
| 10 | 70 | 38 | 54 | 11 | 0 | 0.04 |
| 11 | 70 | 37 | 54 | 11 | 0 | 0.04 |
| 12 | 69 | 37 | 53 | 12 | 0 | 0.04 |
| 13 | 69 | 36 | 53 | 12 | 0 | 0.04 |
| 14 | 68 | 36 | 52 | 13 | 0 | 0.04 |
| 15 | 68 | 36 | 52 | 13 | 0 | 0.04 |
| 16 | 68 | 35 | 52 | 13 | 0 | 0.04 |
| 17 | 67 | 35 | 51 | 14 | 0 | 0.04 |
| 18 | 67 | 35 | 51 | 14 | 0 | 0.04 |
| 19 | 66 | 34 | 50 | 15 | 0 | 0.04 |
| 20 | 66 | 34 | 50 | 15 | 0 | 0.04 |
| 21 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 22 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 23 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 24 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 25 | 63 | 32 | 48 | 17 | 0 | 0.03 |
| 26 | 63 | 31 | 47 | 18 | 0 | 0.03 |
| 27 | 62 | 31 | 47 | 18 | 0 | 0.03 |
| 28 | 61 | 31 | 46 | 19 | 0 | 0.03 |
| 29 | 61 | 31 | 46 | 19 | 0 | 0.03 |
| 30 | 60 | 30 | 45 | 20 | 0 | 0.03 |
| 31 | 60 | 30 | 45 | 20 | 0 | 0.03 |
| MTH | 67.4 | 35.4 | 51.4 | 424 | 3 | 1.16 |
| AUTUMN SEASON: | 66.4 | 35.1 | 50.8 | 1334 | 45 | 3.05 |
| *ANNUAL:* | 65.9 | 34.7 | 50.3 | 5938 | 610 | 9.99 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 30 | 45 | 20 | 0 | 0.03 |
| 2 | 59 | 30 | 44 | 21 | 0 | 0.03 |
| 3 | 58 | 30 | 44 | 21 | 0 | 0.03 |
| 4 | 58 | 29 | 43 | 22 | 0 | 0.03 |
| 5 | 57 | 29 | 43 | 22 | 0 | 0.03 |
| 6 | 57 | 28 | 42 | 23 | 0 | 0.03 |
| 7 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 8 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 9 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 10 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 11 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 12 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 13 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 14 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 15 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 16 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 17 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 18 | 51 | 24 | 38 | 27 | 0 | 0.02 |
| 19 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 20 | 50 | 23 | 37 | 28 | 0 | 0.02 |
| 21 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 22 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 23 | 49 | 22 | 36 | 29 | 0 | 0.02 |
| 24 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 25 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 26 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 27 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 28 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 29 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 30 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| MTH | 52.6 | 24.7 | 38.7 | 789 | 0 | 0.77 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ESCALANTE UTAH Station Number: 422592

Latitude: 37° 46* 06( Longitude: -111° 35* 52( Elevation (feet): 5810

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 4.58 |
| 0.050 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.26 | 0.05 | 0.00 | 0.00 | 0.00 | 5.81 |
| 0.100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.09 | 0.39 | 0.11 | 0.00 | 0.00 | 0.00 | 6.56 |
| 0.200 | 0.09 | 0.22 | 0.20 | 0.02 | 0.12 | 0.04 | 0.19 | 0.61 | 0.23 | 0.19 | 0.06 | 0.04 | 7.55 |
| 0.300 | 0.21 | 0.36 | 0.38 | 0.07 | 0.21 | 0.11 | 0.29 | 0.82 | 0.38 | 0.37 | 0.15 | 0.12 | 8.33 |
| 0.400 | 0.36 | 0.49 | 0.55 | 0.15 | 0.32 | 0.18 | 0.41 | 1.04 | 0.55 | 0.58 | 0.27 | 0.22 | 9.03 |
| 0.500 | 0.55 | 0.63 | 0.73 | 0.24 | 0.44 | 0.25 | 0.54 | 1.27 | 0.76 | 0.81 | 0.42 | 0.33 | 9.72 |
| 0.600 | 0.78 | 0.80 | 0.93 | 0.38 | 0.59 | 0.35 | 0.71 | 1.53 | 1.01 | 1.09 | 0.63 | 0.47 | 10.45 |
| 0.700 | 1.08 | 1.00 | 1.18 | 0.56 | 0.79 | 0.47 | 0.92 | 1.86 | 1.34 | 1.44 | 0.90 | 0.66 | 11.26 |
| 0.800 | 1.51 | 1.26 | 1.51 | 0.83 | 1.06 | 0.63 | 1.22 | 2.29 | 1.81 | 1.92 | 1.30 | 0.92 | 12.27 |
| 0.900 | 2.27 | 1.68 | 2.03 | 1.31 | 1.52 | 0.90 | 1.72 | 2.99 | 2.61 | 2.74 | 2.01 | 1.36 | 13.77 |
| 0.950 | 3.04 | 2.09 | 2.54 | 1.80 | 1.98 | 1.18 | 2.22 | 3.65 | 3.41 | 3.56 | 2.74 | 1.80 | 15.08 |
| 0.990 | 4.84 | 3.01 | 3.69 | 2.99 | 3.05 | 1.80 | 3.38 | 5.14 | 5.29 | 5.42 | 4.47 | 2.85 | 17.77 |
| 0.995 | 5.62 | 3.39 | 4.17 | 3.51 | 3.51 | 2.07 | 3.88 | 5.76 | 6.10 | 6.23 | 5.23 | 3.30 | 18.83 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FILLMORE UTAH Station Number: 422828

Latitude: 38° 57* 58( Longitude: -112° 19* 42( Elevation (feet): 5120

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 2 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 3 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 4 | 41 | 22 | 31 | 34 | 0 | 0.04 |
| 5 | 41 | 22 | 31 | 34 | 0 | 0.04 |
| 6 | 41 | 21 | 31 | 34 | 0 | 0.04 |
| 7 | 40 | 21 | 31 | 34 | 0 | 0.04 |
| 8 | 40 | 20 | 30 | 35 | 0 | 0.04 |
| 9 | 40 | 20 | 30 | 35 | 0 | 0.04 |
| 10 | 39 | 20 | 30 | 35 | 0 | 0.04 |
| 11 | 39 | 20 | 30 | 35 | 0 | 0.04 |
| 12 | 39 | 19 | 29 | 36 | 0 | 0.04 |
| 13 | 39 | 19 | 29 | 36 | 0 | 0.04 |
| 14 | 38 | 19 | 29 | 36 | 0 | 0.04 |
| 15 | 38 | 19 | 29 | 36 | 0 | 0.04 |
| 16 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 17 | 38 | 18 | 28 | 37 | 0 | 0.03 |
| 18 | 38 | 18 | 28 | 37 | 0 | 0.03 |
| 19 | 38 | 18 | 28 | 37 | 0 | 0.04 |
| 20 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 21 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 22 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 23 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 24 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 25 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 26 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 27 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 28 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 29 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 30 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 31 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| MTH | 38.6 | 19.4 | 29.0 | 1116 | 0 | 1.21 |
| WINTER SEASON: | | | | | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 2 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 3 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 4 | 37 | 18 | 27 | 38 | 0 | 0.04 |
| 5 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 6 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 7 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 8 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 9 | 37 | 18 | 28 | 37 | 0 | 0.04 |
| 10 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 11 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 12 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 13 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 14 | 37 | 19 | 28 | 37 | 0 | 0.05 |
| 15 | 38 | 19 | 28 | 37 | 0 | 0.05 |
| 16 | 38 | 19 | 28 | 37 | 0 | 0.05 |
| 17 | 38 | 19 | 29 | 36 | 0 | 0.05 |
| 18 | 38 | 19 | 29 | 36 | 0 | 0.05 |
| 19 | 38 | 19 | 29 | 36 | 0 | 0.05 |
| 20 | 38 | 19 | 29 | 36 | 0 | 0.05 |
| 21 | 39 | 19 | 29 | 36 | 0 | 0.05 |
| 22 | 39 | 19 | 29 | 36 | 0 | 0.05 |
| 23 | 39 | 19 | 29 | 36 | 0 | 0.05 |
| 24 | 39 | 20 | 30 | 35 | 0 | 0.05 |
| 25 | 39 | 20 | 30 | 35 | 0 | 0.05 |
| 26 | 40 | 20 | 30 | 35 | 0 | 0.05 |
| 27 | 40 | 20 | 30 | 35 | 0 | 0.05 |
| 28 | 40 | 20 | 30 | 35 | 0 | 0.05 |
| 29 | 40 | 21 | 31 | 34 | 0 | 0.05 |
| 30 | 41 | 21 | 31 | 34 | 0 | 0.05 |
| 31 | 41 | 21 | 31 | 34 | 0 | 0.05 |
| MTH | 38.2 | 19.1 | 28.7 | 1125 | 0 | 1.42 |
| WINTER SEASON: | 40.5 | 20.8 | 30.7 | 3095 | 0 | 4.02 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 22 | 31 | 34 | 0 | 0.05 |
| 2 | 41 | 22 | 31 | 34 | 0 | 0.05 |
| 3 | 42 | 22 | 32 | 33 | 0 | 0.05 |
| 4 | 42 | 22 | 32 | 33 | 0 | 0.04 |
| 5 | 42 | 22 | 32 | 33 | 0 | 0.04 |
| 6 | 42 | 23 | 32 | 33 | 0 | 0.05 |
| 7 | 43 | 23 | 33 | 32 | 0 | 0.05 |
| 8 | 43 | 23 | 33 | 32 | 0 | 0.05 |
| 9 | 43 | 23 | 33 | 32 | 0 | 0.05 |
| 10 | 43 | 23 | 33 | 32 | 0 | 0.05 |
| 11 | 44 | 23 | 33 | 32 | 0 | 0.05 |
| 12 | 44 | 23 | 34 | 31 | 0 | 0.05 |
| 13 | 44 | 24 | 34 | 31 | 0 | 0.05 |
| 14 | 44 | 24 | 34 | 31 | 0 | 0.05 |
| 15 | 45 | 24 | 35 | 30 | 0 | 0.05 |
| 16 | 45 | 24 | 35 | 30 | 0 | 0.05 |
| 17 | 46 | 24 | 35 | 30 | 0 | 0.05 |
| 18 | 46 | 24 | 35 | 30 | 0 | 0.05 |
| 19 | 46 | 25 | 36 | 29 | 0 | 0.05 |
| 20 | 47 | 25 | 36 | 29 | 0 | 0.05 |
| 21 | 47 | 25 | 36 | 29 | 0 | 0.05 |
| 22 | 47 | 25 | 36 | 29 | 0 | 0.05 |
| 23 | 47 | 26 | 37 | 28 | 0 | 0.05 |
| 24 | 48 | 26 | 37 | 28 | 0 | 0.05 |
| 25 | 48 | 26 | 37 | 28 | 0 | 0.05 |
| 26 | 48 | 27 | 38 | 27 | 0 | 0.05 |
| 27 | 49 | 27 | 38 | 27 | 0 | 0.05 |
| 28 | 49 | 27 | 38 | 27 | 0 | 0.06 |
| MTH | 44.9 | 24.1 | 34.5 | 854 | 0 | 1.39 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 28 | 39 | 26 | 0 | 0.06 |
| 2 | 50 | 28 | 39 | 26 | 0 | 0.06 |
| 3 | 50 | 29 | 39 | 26 | 0 | 0.06 |
| 4 | 50 | 29 | 39 | 26 | 0 | 0.06 |
| 5 | 51 | 29 | 40 | 25 | 0 | 0.06 |
| 6 | 52 | 29 | 40 | 25 | 0 | 0.06 |
| 7 | 52 | 29 | 40 | 25 | 0 | 0.06 |
| 8 | 52 | 29 | 41 | 24 | 0 | 0.06 |
| 9 | 52 | 30 | 41 | 24 | 0 | 0.06 |
| 10 | 52 | 30 | 41 | 24 | 0 | 0.06 |
| 11 | 52 | 30 | 41 | 24 | 0 | 0.06 |
| 12 | 53 | 30 | 42 | 23 | 0 | 0.06 |
| 13 | 53 | 31 | 42 | 23 | 0 | 0.06 |
| 14 | 53 | 31 | 42 | 23 | 0 | 0.06 |
| 15 | 54 | 31 | 43 | 22 | 0 | 0.06 |
| 16 | 54 | 31 | 43 | 22 | 0 | 0.07 |
| 17 | 55 | 31 | 43 | 22 | 0 | 0.07 |
| 18 | 55 | 31 | 43 | 22 | 0 | 0.07 |
| 19 | 55 | 32 | 44 | 21 | 0 | 0.07 |
| 20 | 55 | 32 | 44 | 21 | 0 | 0.07 |
| 21 | 56 | 32 | 44 | 21 | 0 | 0.07 |
| 22 | 56 | 32 | 44 | 21 | 0 | 0.07 |
| 23 | 56 | 32 | 44 | 21 | 0 | 0.07 |
| 24 | 56 | 33 | 45 | 20 | 0 | 0.07 |
| 25 | 57 | 33 | 45 | 20 | 0 | 0.07 |
| 26 | 57 | 33 | 45 | 20 | 0 | 0.07 |
| 27 | 57 | 33 | 45 | 20 | 0 | 0.07 |
| 28 | 57 | 33 | 45 | 20 | 0 | 0.06 |
| 29 | 58 | 34 | 46 | 19 | 0 | 0.06 |
| 30 | 58 | 34 | 46 | 19 | 0 | 0.06 |
| 31 | 58 | 34 | 46 | 19 | 0 | 0.06 |
| MTH | 54.1 | 31.1 | 42.6 | 694 | 0 | 1.98 |
| SPRING SEASON: | | | | | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 34 | 46 | 19 | 0 | 0.07 |
| 2 | 59 | 34 | 46 | 19 | 0 | 0.07 |
| 3 | 59 | 34 | 47 | 18 | 0 | 0.06 |
| 4 | 59 | 35 | 47 | 18 | 0 | 0.06 |
| 5 | 59 | 35 | 47 | 18 | 0 | 0.06 |
| 6 | 60 | 35 | 47 | 18 | 0 | 0.06 |
| 7 | 60 | 35 | 47 | 18 | 0 | 0.06 |
| 8 | 60 | 35 | 48 | 17 | 0 | 0.06 |
| 9 | 60 | 35 | 48 | 17 | 0 | 0.06 |
| 10 | 61 | 35 | 48 | 17 | 0 | 0.06 |
| 11 | 61 | 35 | 48 | 17 | 0 | 0.06 |
| 12 | 61 | 36 | 49 | 16 | * | 0.06 |
| 13 | 61 | 36 | 49 | 16 | * | 0.06 |
| 14 | 62 | 36 | 49 | 16 | * | 0.06 |
| 15 | 62 | 36 | 49 | 16 | * | 0.06 |
| 16 | 62 | 37 | 50 | 16 | * | 0.06 |
| 17 | 63 | 37 | 50 | 15 | * | 0.06 |
| 18 | 63 | 37 | 50 | 15 | * | 0.06 |
| 19 | 63 | 37 | 50 | 15 | * | 0.06 |
| 20 | 63 | 37 | 50 | 15 | * | 0.06 |
| 21 | 64 | 38 | 51 | 14 | 0 | 0.06 |
| 22 | 64 | 38 | 51 | 14 | 0 | 0.06 |
| 23 | 64 | 38 | 51 | 14 | 0 | 0.06 |
| 24 | 64 | 38 | 51 | 14 | 0 | 0.06 |
| 25 | 65 | 39 | 52 | 13 | 0 | 0.06 |
| 26 | 65 | 39 | 52 | 13 | 0 | 0.06 |
| 27 | 65 | 39 | 52 | 13 | 0 | 0.06 |
| 28 | 65 | 40 | 53 | 13 | 1 | 0.06 |
| 29 | 66 | 40 | 53 | 13 | 1 | 0.06 |
| 30 | 66 | 40 | 53 | 13 | 1 | 0.06 |
| MTH | 62.2 | 36.7 | 49.5 | 470 | 4 | 1.82 |
| SPRING SEASON: | 62.6 | 37.3 | 50.0 | 1412 | 28 | 5.48 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 66 | 41 | 53 | 12 | 0 | 0.06 |
| 2 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 3 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 4 | 67 | 42 | 54 | 11 | 0 | 0.06 |
| 5 | 67 | 42 | 54 | 11 | 0 | 0.06 |
| 6 | 69 | 42 | 55 | 10 | 0 | 0.06 |
| 7 | 69 | 42 | 55 | 10 | 0 | 0.06 |
| 8 | 69 | 42 | 55 | 10 | 0 | 0.06 |
| 9 | 69 | 42 | 56 | 9 | 0 | 0.06 |
| 10 | 69 | 42 | 56 | 9 | 0 | 0.06 |
| 11 | 70 | 42 | 56 | 9 | 0 | 0.06 |
| 12 | 70 | 42 | 56 | 9 | 0 | 0.06 |
| 13 | 70 | 42 | 56 | 9 | 0 | 0.06 |
| 14 | 71 | 43 | 57 | 9 | 1 | 0.06 |
| 15 | 71 | 44 | 58 | 8 | 1 | 0.06 |
| 16 | 71 | 44 | 58 | 8 | 1 | 0.06 |
| 17 | 72 | 44 | 58 | 8 | 1 | 0.06 |
| 18 | 72 | 44 | 58 | 8 | 1 | 0.06 |
| 19 | 72 | 45 | 59 | 7 | 1 | 0.05 |
| 20 | 73 | 45 | 59 | 7 | 1 | 0.05 |
| 21 | 73 | 45 | 59 | 7 | 1 | 0.05 |
| 22 | 74 | 46 | 60 | 6 | 1 | 0.05 |
| 23 | 74 | 46 | 60 | 6 | 1 | 0.05 |
| 24 | 74 | 46 | 60 | 6 | 1 | 0.05 |
| 25 | 74 | 46 | 60 | 6 | 1 | 0.05 |
| 26 | 75 | 47 | 61 | 6 | 2 | 0.05 |
| 27 | 75 | 47 | 61 | 6 | 2 | 0.04 |
| 28 | 76 | 47 | 62 | 5 | 2 | 0.04 |
| 29 | 76 | 48 | 62 | 5 | 2 | 0.04 |
| 30 | 76 | 48 | 62 | 5 | 2 | 0.04 |
| 31 | 77 | 48 | 63 | 4 | 2 | 0.04 |
| MTH | 71.5 | 44.1 | 57.8 | 248 | 24 | 1.68 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FILLMORE UTAH Station Number: 422828

Latitude: 38° 57* 58( Longitude: -112° 19* 42( Elevation (feet): 5120

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 49 | 63 | 4 | 2 | 0.04 |
| 2 | 78 | 49 | 63 | 4 | 2 | 0.03 |
| 3 | 78 | 49 | 63 | 4 | 2 | 0.03 |
| 4 | 79 | 50 | 64 | 4 | 3 | 0.03 |
| 5 | 79 | 50 | 64 | 4 | 3 | 0.03 |
| 6 | 79 | 50 | 65 | 3 | 3 | 0.03 |
| 7 | 80 | 50 | 65 | 3 | 3 | 0.03 |
| 8 | 80 | 50 | 65 | 3 | 3 | 0.03 |
| 9 | 80 | 51 | 65 | 3 | 3 | 0.03 |
| 10 | 80 | 51 | 66 | 3 | 4 | 0.02 |
| 11 | 81 | 51 | 66 | 3 | 4 | 0.02 |
| 12 | 81 | 52 | 67 | 2 | 4 | 0.02 |
| 13 | 82 | 52 | 67 | 2 | 4 | 0.02 |
| 14 | 82 | 52 | 67 | 2 | 4 | 0.02 |
| 15 | 82 | 53 | 68 | 2 | 5 | 0.02 |
| 16 | 83 | 53 | 68 | 2 | 5 | 0.02 |
| 17 | 83 | 53 | 68 | 2 | 5 | 0.02 |
| 18 | 83 | 54 | 69 | 2 | 6 | 0.02 |
| 19 | 84 | 54 | 69 | 1 | 5 | 0.02 |
| 20 | 84 | 54 | 69 | 1 | 5 | 0.02 |
| 21 | 84 | 54 | 69 | 1 | 5 | 0.02 |
| 22 | 84 | 55 | 70 | 1 | 6 | 0.02 |
| 23 | 85 | 55 | 70 | 1 | 6 | 0.02 |
| 24 | 85 | 55 | 70 | 1 | 6 | 0.02 |
| 25 | 85 | 55 | 70 | 1 | 6 | 0.02 |
| 26 | 85 | 55 | 70 | 1 | 6 | 0.02 |
| 27 | 86 | 56 | 71 | 1 | 7 | 0.02 |
| 28 | 86 | 56 | 71 | 1 | 7 | 0.02 |
| 29 | 86 | 56 | 71 | 1 | 7 | 0.02 |
| 30 | 86 | 56 | 71 | 1 | 7 | 0.02 |
| MTH | 82.3 | 52.7 | 67.5 | 64 | 138 | 0.70 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 57 | 72 | 1 | 8 | 0.02 |
| 2 | 88 | 57 | 72 | 1 | 8 | 0.02 |
| 3 | 88 | 58 | 73 | 0 | 8 | 0.02 |
| 4 | 88 | 58 | 73 | 0 | 8 | 0.02 |
| 5 | 88 | 58 | 73 | 0 | 8 | 0.02 |
| 6 | 88 | 59 | 74 | 0 | 9 | 0.02 |
| 7 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 8 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 9 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 10 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 11 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 12 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 13 | 89 | 59 | 74 | 0 | 9 | 0.02 |
| 14 | 89 | 60 | 75 | 0 | 10 | 0.03 |
| 15 | 89 | 60 | 75 | 0 | 10 | 0.03 |
| 16 | 89 | 60 | 75 | 0 | 10 | 0.03 |
| 17 | 90 | 60 | 75 | 0 | 10 | 0.03 |
| 18 | 90 | 60 | 75 | 0 | 10 | 0.03 |
| 19 | 90 | 60 | 75 | 0 | 10 | 0.03 |
| 20 | 90 | 60 | 75 | 0 | 10 | 0.03 |
| 21 | 90 | 60 | 75 | 0 | 10 | 0.03 |
| 22 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 23 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 24 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 25 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 26 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 27 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 28 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 29 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 30 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 31 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| MTH | 89.0 | 59.7 | 74.4 | 2 | 292 | 0.80 |
| SUMMER SEASON: | 85.9 | 56.9 | 71.4 | 69 | 662 | 2.33 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 2 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 3 | 89 | 60 | 74 | 0 | 9 | 0.03 |
| 4 | 89 | 60 | 74 | 0 | 9 | 0.03 |
| 5 | 89 | 60 | 74 | 0 | 9 | 0.03 |
| 6 | 88 | 60 | 74 | 0 | 9 | 0.03 |
| 7 | 88 | 60 | 74 | 0 | 9 | 0.03 |
| 8 | 88 | 60 | 74 | 0 | 9 | 0.02 |
| 9 | 88 | 60 | 74 | 0 | 9 | 0.02 |
| 10 | 88 | 60 | 74 | 0 | 9 | 0.02 |
| 11 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 12 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 13 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 14 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 15 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 16 | 87 | 59 | 73 | 0 | 8 | 0.02 |
| 17 | 86 | 58 | 72 | 0 | 7 | 0.02 |
| 18 | 86 | 58 | 72 | 0 | 7 | 0.03 |
| 19 | 86 | 58 | 72 | 0 | 7 | 0.03 |
| 20 | 86 | 58 | 72 | 0 | 7 | 0.03 |
| 21 | 86 | 58 | 72 | 0 | 7 | 0.03 |
| 22 | 85 | 58 | 72 | 0 | 7 | 0.03 |
| 23 | 85 | 57 | 71 | 0 | 6 | 0.03 |
| 24 | 85 | 57 | 71 | 0 | 6 | 0.03 |
| 25 | 84 | 57 | 71 | 0 | 6 | 0.03 |
| 26 | 84 | 57 | 71 | 0 | 6 | 0.03 |
| 27 | 84 | 57 | 71 | 0 | 6 | 0.03 |
| 28 | 84 | 56 | 70 | 0 | 5 | 0.03 |
| 29 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| 30 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| 31 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| MTH | 86.4 | 58.4 | 72.4 | 3 | 232 | 0.83 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| 2 | 83 | 54 | 68 | 1 | 4 | 0.03 |
| 3 | 83 | 54 | 68 | 1 | 4 | 0.03 |
| 4 | 83 | 54 | 68 | 1 | 4 | 0.03 |
| 5 | 82 | 54 | 68 | 1 | 4 | 0.03 |
| 6 | 81 | 53 | 67 | 1 | 3 | 0.03 |
| 7 | 80 | 52 | 66 | 2 | 3 | 0.03 |
| 8 | 80 | 52 | 66 | 2 | 3 | 0.03 |
| 9 | 80 | 52 | 66 | 2 | 3 | 0.03 |
| 10 | 80 | 51 | 66 | 2 | 3 | 0.03 |
| 11 | 79 | 51 | 65 | 2 | 2 | 0.03 |
| 12 | 79 | 51 | 65 | 2 | 2 | 0.03 |
| 13 | 78 | 50 | 64 | 3 | 2 | 0.03 |
| 14 | 78 | 50 | 64 | 3 | 2 | 0.04 |
| 15 | 78 | 50 | 64 | 3 | 2 | 0.04 |
| 16 | 77 | 49 | 63 | 4 | 2 | 0.04 |
| 17 | 77 | 49 | 63 | 4 | 2 | 0.04 |
| 18 | 76 | 48 | 62 | 4 | 1 | 0.04 |
| 19 | 76 | 48 | 62 | 4 | 1 | 0.04 |
| 20 | 76 | 48 | 62 | 4 | 1 | 0.04 |
| 21 | 76 | 47 | 62 | 4 | 1 | 0.04 |
| 22 | 75 | 47 | 61 | 5 | 1 | 0.04 |
| 23 | 75 | 47 | 61 | 5 | 1 | 0.04 |
| 24 | 74 | 46 | 60 | 6 | 1 | 0.04 |
| 25 | 74 | 46 | 60 | 6 | 1 | 0.04 |
| 26 | 74 | 46 | 60 | 6 | 1 | 0.04 |
| 27 | 73 | 45 | 59 | 7 | 1 | 0.04 |
| 28 | 73 | 45 | 59 | 7 | 1 | 0.04 |
| 29 | 72 | 44 | 58 | 7 | 0 | 0.05 |
| 30 | 72 | 44 | 58 | 7 | 0 | 0.05 |
| MTH | 77.6 | 49.4 | 63.5 | 107 | 61 | 1.09 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 72 | 44 | 58 | 8 | 1 | 0.05 |
| 2 | 72 | 44 | 58 | 8 | 1 | 0.05 |
| 3 | 71 | 44 | 57 | 8 | 0 | 0.05 |
| 4 | 71 | 42 | 57 | 8 | 0 | 0.05 |
| 5 | 71 | 42 | 56 | 9 | 0 | 0.05 |
| 6 | 70 | 42 | 56 | 9 | 0 | 0.05 |
| 7 | 69 | 41 | 55 | 10 | 0 | 0.05 |
| 8 | 69 | 41 | 55 | 10 | 0 | 0.05 |
| 9 | 68 | 40 | 54 | 11 | 0 | 0.05 |
| 10 | 68 | 40 | 54 | 11 | 0 | 0.05 |
| 11 | 67 | 40 | 54 | 11 | 0 | 0.05 |
| 12 | 67 | 39 | 53 | 12 | 0 | 0.05 |
| 13 | 66 | 39 | 53 | 12 | 0 | 0.05 |
| 14 | 66 | 38 | 52 | 13 | 0 | 0.05 |
| 15 | 66 | 38 | 52 | 13 | 0 | 0.05 |
| 16 | 65 | 38 | 52 | 13 | 0 | 0.05 |
| 17 | 65 | 37 | 51 | 14 | 0 | 0.06 |
| 18 | 64 | 37 | 51 | 14 | 0 | 0.06 |
| 19 | 63 | 37 | 50 | 15 | 0 | 0.06 |
| 20 | 63 | 37 | 50 | 15 | 0 | 0.06 |
| 21 | 62 | 36 | 49 | 16 | 0 | 0.06 |
| 22 | 62 | 36 | 49 | 16 | 0 | 0.06 |
| 23 | 61 | 36 | 49 | 16 | 0 | 0.06 |
| 24 | 61 | 35 | 48 | 17 | 0 | 0.06 |
| 25 | 60 | 35 | 48 | 17 | 0 | 0.06 |
| 26 | 60 | 34 | 47 | 18 | 0 | 0.06 |
| 27 | 59 | 34 | 47 | 18 | 0 | 0.06 |
| 28 | 58 | 34 | 46 | 19 | 0 | 0.06 |
| 29 | 58 | 34 | 46 | 19 | 0 | 0.06 |
| 30 | 57 | 33 | 45 | 20 | 0 | 0.06 |
| 31 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| MTH | 64.8 | 38.1 | 51.5 | 420 | 2 | 1.69 |
| AUTUMN SEASON: | 63.8 | 38.4 | 51.2 | 1322 | 63 | 4.28 |
| *ANNUAL:* | 63.2 | 38.3 | 50.8 | 5898 | 753 | 16.11 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 33 | 45 | 20 | 0 | 0.06 |
| 2 | 56 | 33 | 44 | 21 | 0 | 0.06 |
| 3 | 56 | 32 | 44 | 21 | 0 | 0.06 |
| 4 | 55 | 31 | 43 | 22 | 0 | 0.06 |
| 5 | 54 | 31 | 43 | 22 | 0 | 0.05 |
| 6 | 53 | 31 | 42 | 23 | 0 | 0.05 |
| 7 | 53 | 31 | 42 | 23 | 0 | 0.05 |
| 8 | 52 | 30 | 41 | 24 | 0 | 0.05 |
| 9 | 52 | 30 | 41 | 24 | 0 | 0.05 |
| 10 | 52 | 30 | 41 | 24 | 0 | 0.05 |
| 11 | 51 | 29 | 40 | 25 | 0 | 0.05 |
| 12 | 50 | 29 | 40 | 25 | 0 | 0.05 |
| 13 | 50 | 28 | 39 | 26 | 0 | 0.05 |
| 14 | 50 | 28 | 39 | 26 | 0 | 0.05 |
| 15 | 49 | 28 | 39 | 26 | 0 | 0.05 |
| 16 | 49 | 27 | 38 | 27 | 0 | 0.05 |
| 17 | 48 | 27 | 38 | 27 | 0 | 0.05 |
| 18 | 47 | 27 | 37 | 28 | 0 | 0.05 |
| 19 | 47 | 27 | 37 | 28 | 0 | 0.05 |
| 20 | 47 | 26 | 37 | 28 | 0 | 0.05 |
| 21 | 46 | 26 | 36 | 29 | 0 | 0.05 |
| 22 | 46 | 26 | 36 | 29 | 0 | 0.05 |
| 23 | 45 | 25 | 35 | 30 | 0 | 0.05 |
| 24 | 45 | 25 | 35 | 30 | 0 | 0.05 |
| 25 | 45 | 25 | 35 | 30 | 0 | 0.05 |
| 26 | 44 | 24 | 34 | 31 | 0 | 0.05 |
| 27 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 28 | 43 | 24 | 34 | 31 | 0 | 0.04 |
| 29 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 30 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| MTH | 49.1 | 27.8 | 38.5 | 795 | 0 | 1.50 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FILLMORE UTAH Station Number: 422828

Latitude: 38° 57* 58( Longitude: -112° 19* 42( Elevation (feet): 5120

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.15 | 0.09 | 0.14 | 0.13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 | 7.69 |
| 0.010 | 0.20 | 0.12 | 0.19 | 0.17 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 8.31 |
| 0.050 | 0.38 | 0.27 | 0.41 | 0.38 | 0.31 | 0.00 | 0.07 | 0.07 | 0.01 | 0.26 | 0.26 | 0.24 | 10.16 |
| 0.100 | 0.51 | 0.40 | 0.60 | 0.54 | 0.46 | 0.01 | 0.16 | 0.15 | 0.07 | 0.48 | 0.40 | 0.35 | 11.26 |
| 0.200 | 0.72 | 0.60 | 0.89 | 0.81 | 0.71 | 0.07 | 0.29 | 0.29 | 0.19 | 0.77 | 0.61 | 0.53 | 12.70 |
| 0.300 | 0.90 | 0.79 | 1.15 | 1.06 | 0.94 | 0.16 | 0.40 | 0.41 | 0.33 | 1.00 | 0.82 | 0.69 | 13.80 |
| 0.400 | 1.08 | 0.98 | 1.42 | 1.30 | 1.17 | 0.27 | 0.53 | 0.54 | 0.51 | 1.24 | 1.03 | 0.86 | 14.80 |
| 0.500 | 1.26 | 1.18 | 1.70 | 1.56 | 1.42 | 0.41 | 0.66 | 0.68 | 0.71 | 1.48 | 1.26 | 1.03 | 15.78 |
| 0.600 | 1.47 | 1.41 | 2.02 | 1.86 | 1.70 | 0.59 | 0.81 | 0.83 | 0.97 | 1.75 | 1.51 | 1.23 | 16.79 |
| 0.700 | 1.71 | 1.69 | 2.41 | 2.22 | 2.05 | 0.82 | 0.99 | 1.03 | 1.30 | 2.07 | 1.83 | 1.47 | 17.93 |
| 0.800 | 2.03 | 2.06 | 2.92 | 2.68 | 2.50 | 1.17 | 1.24 | 1.29 | 1.78 | 2.49 | 2.25 | 1.78 | 19.32 |
| 0.900 | 2.54 | 2.65 | 3.73 | 3.44 | 3.24 | 1.78 | 1.63 | 1.71 | 2.60 | 3.16 | 2.92 | 2.29 | 21.37 |
| 0.950 | 3.01 | 3.21 | 4.50 | 4.15 | 3.94 | 2.41 | 2.02 | 2.11 | 3.43 | 3.79 | 3.56 | 2.76 | 23.16 |
| 0.990 | 4.03 | 4.45 | 6.19 | 5.71 | 5.49 | 3.89 | 2.87 | 3.02 | 5.36 | 5.16 | 4.99 | 3.82 | 26.77 |
| 0.995 | 4.45 | 4.96 | 6.89 | 6.36 | 6.13 | 4.54 | 3.23 | 3.40 | 6.19 | 5.72 | 5.59 | 4.26 | 28.18 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FREMONT INDIAN S P UTAH Station Number: 423012

Latitude: 38 B 34 * 42 ( Longitude: -112 B 20* 04 ( Elevation (feet): 5920

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 2 | 47 | 14 | 31 | 34 | 0 | 0.02 |
| 3 | 47 | 14 | 30 | 35 | 0 | 0.02 |
| 4 | 47 | 14 | 30 | 35 | 0 | 0.02 |
| 5 | 47 | 13 | 30 | 35 | 0 | 0.02 |
| 6 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 7 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 8 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 9 | 45 | 12 | 28 | 37 | 0 | 0.02 |
| 10 | 45 | 12 | 28 | 37 | 0 | 0.02 |
| 11 | 44 | 12 | 28 | 37 | 0 | 0.02 |
| 12 | 44 | 12 | 28 | 37 | 0 | 0.02 |
| 13 | 44 | 11 | 28 | 37 | 0 | 0.02 |
| 14 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 15 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 16 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 17 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 18 | 43 | 10 | 27 | 38 | 0 | 0.02 |
| 19 | 43 | 10 | 27 | 38 | 0 | 0.02 |
| 20 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 21 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 22 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 23 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 24 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 25 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 26 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 27 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 28 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 29 | 42 | 9 | 26 | 39 | 0 | 0.03 |
| 30 | 42 | 9 | 26 | 39 | 0 | 0.03 |
| 31 | 42 | 9 | 26 | 39 | 0 | 0.03 |
| MTH | 43.8 | 11.2 | 27.5 | 1162 | 0 | 0.65 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 2 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 3 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 4 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 5 | 42 | 9 | 26 | 39 | 0 | 0.02 |
| 6 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 7 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 8 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 9 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 10 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 11 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 12 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 13 | 43 | 10 | 26 | 39 | 0 | 0.02 |
| 14 | 43 | 10 | 26 | 39 | 0 | 0.02 |
| 15 | 43 | 10 | 26 | 39 | 0 | 0.02 |
| 16 | 43 | 10 | 26 | 39 | 0 | 0.03 |
| 17 | 43 | 10 | 26 | 39 | 0 | 0.03 |
| 18 | 43 | 10 | 26 | 39 | 0 | 0.03 |
| 19 | 43 | 10 | 26 | 39 | 0 | 0.03 |
| 20 | 43 | 10 | 27 | 38 | 0 | 0.03 |
| 21 | 43 | 10 | 27 | 38 | 0 | 0.03 |
| 22 | 43 | 11 | 27 | 38 | 0 | 0.03 |
| 23 | 43 | 11 | 27 | 38 | 0 | 0.03 |
| 24 | 43 | 11 | 27 | 38 | 0 | 0.03 |
| 25 | 43 | 11 | 27 | 38 | 0 | 0.03 |
| 26 | 43 | 11 | 27 | 38 | 0 | 0.03 |
| 27 | 44 | 11 | 28 | 37 | 0 | 0.03 |
| 28 | 44 | 11 | 28 | 37 | 0 | 0.03 |
| 29 | 45 | 11 | 28 | 37 | 0 | 0.03 |
| 30 | 45 | 11 | 28 | 37 | 0 | 0.03 |
| 31 | 45 | 11 | 28 | 37 | 0 | 0.03 |
| MTH | 42.9 | 10.2 | 26.6 | 1192 | 0 | 0.78 |
| | 45.0 | 12.0 | 28.6 | 3289 | 0 | 2.21 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 12 | 29 | 36 | 0 | 0.02 |
| 2 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| 3 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 4 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 5 | 46 | 13 | 29 | 36 | 0 | 0.02 |
| 6 | 46 | 13 | 30 | 35 | 0 | 0.02 |
| 7 | 46 | 13 | 30 | 35 | 0 | 0.03 |
| 8 | 47 | 13 | 30 | 35 | 0 | 0.03 |
| 9 | 47 | 13 | 30 | 35 | 0 | 0.03 |
| 10 | 47 | 13 | 30 | 35 | 0 | 0.03 |
| 11 | 47 | 14 | 31 | 34 | 0 | 0.03 |
| 12 | 48 | 14 | 31 | 34 | 0 | 0.03 |
| 13 | 48 | 14 | 31 | 34 | 0 | 0.03 |
| 14 | 48 | 14 | 31 | 34 | 0 | 0.03 |
| 15 | 48 | 15 | 32 | 33 | 0 | 0.03 |
| 16 | 49 | 15 | 32 | 33 | 0 | 0.03 |
| 17 | 49 | 15 | 32 | 33 | 0 | 0.03 |
| 18 | 49 | 15 | 32 | 33 | 0 | 0.03 |
| 19 | 49 | 16 | 33 | 32 | 0 | 0.03 |
| 20 | 50 | 16 | 33 | 32 | 0 | 0.03 |
| 21 | 50 | 16 | 33 | 32 | 0 | 0.03 |
| 22 | 50 | 16 | 33 | 32 | 0 | 0.03 |
| 23 | 50 | 17 | 34 | 31 | 0 | 0.03 |
| 24 | 51 | 17 | 34 | 31 | 0 | 0.03 |
| 25 | 51 | 17 | 34 | 31 | 0 | 0.03 |
| 26 | 51 | 17 | 34 | 31 | 0 | 0.03 |
| 27 | 51 | 18 | 35 | 30 | 0 | 0.03 |
| 28 | 52 | 18 | 35 | 30 | 0 | 0.03 |
| MTH | 48.3 | 14.8 | 31.6 | 935 | 0 | 0.78 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 19 | 35 | 30 | 0 | 0.03 |
| 2 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 3 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 4 | 53 | 20 | 36 | 29 | 0 | 0.03 |
| 5 | 53 | 20 | 36 | 29 | 0 | 0.03 |
| 6 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 7 | 53 | 21 | 37 | 28 | 0 | 0.03 |
| 8 | 54 | 21 | 37 | 28 | 0 | 0.03 |
| 9 | 54 | 21 | 38 | 27 | 0 | 0.03 |
| 10 | 54 | 21 | 38 | 27 | 0 | 0.03 |
| 11 | 54 | 21 | 38 | 27 | 0 | 0.03 |
| 12 | 55 | 21 | 38 | 27 | 0 | 0.03 |
| 13 | 55 | 21 | 38 | 27 | 0 | 0.03 |
| 14 | 55 | 22 | 39 | 26 | 0 | 0.03 |
| 15 | 56 | 22 | 39 | 26 | 0 | 0.03 |
| 16 | 56 | 22 | 39 | 26 | 0 | 0.03 |
| 17 | 56 | 22 | 39 | 26 | 0 | 0.04 |
| 18 | 56 | 23 | 40 | 25 | 0 | 0.04 |
| 19 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 20 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 21 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 22 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 23 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 24 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 25 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 26 | 58 | 24 | 41 | 24 | 0 | 0.03 |
| 27 | 58 | 24 | 41 | 24 | 0 | 0.03 |
| 28 | 59 | 25 | 42 | 23 | 0 | 0.03 |
| 29 | 59 | 25 | 42 | 23 | 0 | 0.03 |
| 30 | 59 | 25 | 42 | 23 | 0 | 0.03 |
| 31 | 59 | 25 | 42 | 23 | 0 | 0.03 |
| MTH | 55.7 | 22.3 | 39.0 | 806 | 0 | 1.02 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 25 | 42 | 23 | 0 | 0.03 |
| 2 | 60 | 25 | 42 | 23 | 0 | 0.03 |
| 3 | 60 | 26 | 43 | 22 | 0 | 0.03 |
| 4 | 61 | 26 | 43 | 22 | 0 | 0.03 |
| 5 | 61 | 26 | 43 | 22 | 0 | 0.03 |
| 6 | 61 | 26 | 43 | 22 | 0 | 0.03 |
| 7 | 61 | 26 | 43 | 22 | 0 | 0.03 |
| 8 | 61 | 26 | 44 | 21 | 0 | 0.03 |
| 9 | 62 | 26 | 44 | 21 | 0 | 0.03 |
| 10 | 62 | 26 | 44 | 21 | 0 | 0.03 |
| 11 | 62 | 26 | 44 | 21 | 0 | 0.03 |
| 12 | 62 | 26 | 44 | 21 | 0 | 0.03 |
| 13 | 63 | 27 | 45 | 20 | 0 | 0.03 |
| 14 | 63 | 27 | 45 | 20 | 0 | 0.03 |
| 15 | 63 | 27 | 45 | 20 | 0 | 0.03 |
| 16 | 63 | 27 | 45 | 20 | 0 | 0.03 |
| 17 | 64 | 27 | 46 | 19 | 0 | 0.03 |
| 18 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 19 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 20 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 21 | 65 | 28 | 47 | 18 | 0 | 0.04 |
| 22 | 65 | 28 | 47 | 18 | 0 | 0.04 |
| 23 | 66 | 28 | 47 | 18 | 0 | 0.04 |
| 24 | 66 | 28 | 47 | 18 | 0 | 0.04 |
| 25 | 66 | 29 | 48 | 17 | 0 | 0.04 |
| 26 | 66 | 29 | 48 | 17 | 0 | 0.04 |
| 27 | 67 | 29 | 48 | 17 | 0 | 0.04 |
| 28 | 67 | 30 | 49 | 16 | 0 | 0.04 |
| 29 | 67 | 30 | 49 | 16 | 0 | 0.04 |
| 30 | 68 | 30 | 49 | 16 | 0 | 0.04 |
| MTH | 63.5 | 27.3 | 45.4 | 588 | 0 | 1.00 |
| | 64.1 | 28.2 | 46.2 | 1737 | 4 | 3.14 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 68 | 31 | 49 | 16 | 0 | 0.03 |
| 2 | 68 | 32 | 50 | 15 | 0 | 0.04 |
| 3 | 69 | 32 | 50 | 15 | 0 | 0.04 |
| 4 | 69 | 32 | 50 | 15 | 0 | 0.04 |
| 5 | 69 | 32 | 51 | 14 | 0 | 0.04 |
| 6 | 70 | 33 | 51 | 14 | 0 | 0.04 |
| 7 | 70 | 33 | 51 | 14 | 0 | 0.04 |
| 8 | 70 | 33 | 52 | 13 | 0 | 0.04 |
| 9 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 10 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 11 | 71 | 34 | 53 | 12 | 0 | 0.04 |
| 12 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 13 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 14 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 15 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 16 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 17 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 18 | 74 | 36 | 55 | 10 | 0 | 0.04 |
| 19 | 74 | 36 | 55 | 10 | 0 | 0.04 |
| 20 | 74 | 36 | 55 | 10 | 0 | 0.04 |
| 21 | 75 | 36 | 56 | 9 | 0 | 0.03 |
| 22 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 23 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 24 | 76 | 37 | 57 | 8 | 0 | 0.03 |
| 25 | 76 | 37 | 57 | 8 | 0 | 0.03 |
| 26 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| 27 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| 28 | 77 | 38 | 58 | 8 | 1 | 0.03 |
| 29 | 78 | 38 | 58 | 8 | 1 | 0.03 |
| 30 | 78 | 38 | 58 | 8 | 1 | 0.03 |
| 31 | 79 | 39 | 59 | 7 | 1 | 0.03 |
| MTH | 73.1 | 35.0 | 54.1 | 343 | 4 | 1.12 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FREMONT INDIAN S P UTAH Station Number: 423012

Latitude: 38 B 34 * 42 ( Longitude: -112 B 20* 04 ( Elevation (feet): 5920

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 40 | 59 | 7 | 1 | 0.03 |
| 2 | 80 | 40 | 60 | 7 | 2 | 0.03 |
| 3 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 4 | 80 | 41 | 60 | 6 | 1 | 0.03 |
| 5 | 80 | 41 | 60 | 6 | 1 | 0.03 |
| 6 | 82 | 41 | 61 | 6 | 2 | 0.03 |
| 7 | 82 | 41 | 61 | 6 | 2 | 0.03 |
| 8 | 82 | 41 | 62 | 5 | 2 | 0.03 |
| 9 | 82 | 41 | 62 | 5 | 2 | 0.03 |
| 10 | 82 | 42 | 62 | 5 | 2 | 0.03 |
| 11 | 82 | 42 | 62 | 5 | 2 | 0.03 |
| 12 | 83 | 42 | 63 | 4 | 2 | 0.03 |
| 13 | 83 | 42 | 63 | 4 | 2 | 0.03 |
| 14 | 84 | 42 | 63 | 4 | 2 | 0.03 |
| 15 | 84 | 43 | 64 | 4 | 3 | 0.03 |
| 16 | 85 | 43 | 64 | 4 | 3 | 0.02 |
| 17 | 85 | 43 | 64 | 4 | 3 | 0.02 |
| 18 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 19 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 20 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 21 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 22 | 86 | 45 | 66 | 3 | 4 | 0.02 |
| 23 | 87 | 45 | 66 | 3 | 4 | 0.02 |
| 24 | 87 | 46 | 67 | 3 | 5 | 0.02 |
| 25 | 88 | 46 | 67 | 2 | 4 | 0.02 |
| 26 | 88 | 46 | 67 | 2 | 4 | 0.02 |
| 27 | 88 | 46 | 67 | 2 | 4 | 0.02 |
| 28 | 88 | 46 | 67 | 2 | 4 | 0.02 |
| 29 | 89 | 47 | 68 | 2 | 5 | 0.02 |
| 30 | 89 | 47 | 68 | 2 | 5 | 0.02 |
| MTH | 84.3 | 43.2 | 63.8 | 121 | 84 | 0.75 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 47 | 68 | 2 | 5 | 0.02 |
| 2 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 3 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 4 | 90 | 48 | 69 | 1 | 5 | 0.03 |
| 5 | 91 | 48 | 70 | 1 | 6 | 0.03 |
| 6 | 91 | 49 | 70 | 1 | 6 | 0.03 |
| 7 | 91 | 49 | 70 | 1 | 6 | 0.03 |
| 8 | 91 | 49 | 70 | 1 | 6 | 0.03 |
| 9 | 92 | 49 | 71 | 0 | 6 | 0.03 |
| 10 | 92 | 50 | 71 | 0 | 6 | 0.03 |
| 11 | 92 | 50 | 71 | 0 | 6 | 0.03 |
| 12 | 92 | 50 | 71 | 0 | 6 | 0.03 |
| 13 | 92 | 50 | 71 | 0 | 6 | 0.03 |
| 14 | 92 | 50 | 71 | 0 | 6 | 0.03 |
| 15 | 93 | 50 | 72 | 0 | 7 | 0.03 |
| 16 | 93 | 50 | 72 | 0 | 7 | 0.03 |
| 17 | 93 | 51 | 72 | 0 | 7 | 0.03 |
| 18 | 93 | 51 | 72 | 0 | 7 | 0.03 |
| 19 | 93 | 51 | 72 | 0 | 7 | 0.03 |
| 20 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 21 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 22 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 23 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 24 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 25 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 26 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 27 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 28 | 93 | 51 | 72 | 0 | 7 | 0.04 |
| 29 | 93 | 51 | 72 | 0 | 7 | 0.05 |
| 30 | 93 | 51 | 72 | 0 | 7 | 0.05 |
| 31 | 93 | 51 | 72 | 0 | 7 | 0.05 |
| MTH | 92.1 | 50.0 | 71.1 | 9 | 199 | 1.05 |
| SUMMER SEASON: | 88.8 | 47.1 | 68.0 | 145 | 424 | 3.49 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 51 | 72 | 0 | 7 | 0.05 |
| 2 | 92 | 51 | 71 | 0 | 6 | 0.05 |
| 3 | 92 | 51 | 71 | 0 | 6 | 0.05 |
| 4 | 92 | 51 | 71 | 0 | 6 | 0.05 |
| 5 | 92 | 51 | 71 | 0 | 6 | 0.05 |
| 6 | 92 | 51 | 71 | 0 | 6 | 0.06 |
| 7 | 92 | 51 | 71 | 0 | 6 | 0.06 |
| 8 | 91 | 50 | 71 | 0 | 6 | 0.06 |
| 9 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 10 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 11 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 12 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 13 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 14 | 91 | 49 | 70 | 0 | 5 | 0.06 |
| 15 | 90 | 49 | 70 | 0 | 5 | 0.06 |
| 16 | 90 | 49 | 70 | 0 | 5 | 0.06 |
| 17 | 90 | 48 | 69 | 0 | 4 | 0.06 |
| 18 | 90 | 48 | 69 | 0 | 4 | 0.06 |
| 19 | 89 | 48 | 69 | 0 | 4 | 0.06 |
| 20 | 89 | 48 | 69 | 0 | 4 | 0.06 |
| 21 | 89 | 47 | 68 | 1 | 4 | 0.06 |
| 22 | 89 | 47 | 68 | 1 | 4 | 0.05 |
| 23 | 89 | 47 | 68 | 1 | 4 | 0.05 |
| 24 | 88 | 47 | 68 | 1 | 4 | 0.05 |
| 25 | 88 | 46 | 67 | 1 | 3 | 0.05 |
| 26 | 88 | 46 | 67 | 1 | 3 | 0.05 |
| 27 | 88 | 46 | 67 | 1 | 3 | 0.05 |
| 28 | 87 | 45 | 66 | 2 | 3 | 0.05 |
| 29 | 87 | 45 | 66 | 2 | 3 | 0.05 |
| 30 | 87 | 45 | 66 | 2 | 3 | 0.04 |
| 31 | 86 | 44 | 65 | 2 | 2 | 0.04 |
| MTH | 89.9 | 48.3 | 69.1 | 15 | 141 | 1.69 |

**SEPTEMBER**

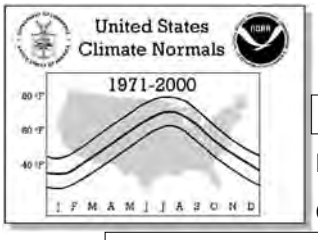
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 44 | 65 | 2 | 2 | 0.04 |
| 2 | 86 | 44 | 65 | 2 | 2 | 0.04 |
| 3 | 86 | 44 | 65 | 3 | 3 | 0.04 |
| 4 | 85 | 44 | 64 | 3 | 2 | 0.03 |
| 5 | 85 | 44 | 64 | 3 | 2 | 0.03 |
| 6 | 84 | 44 | 64 | 3 | 2 | 0.03 |
| 7 | 84 | 42 | 63 | 3 | 1 | 0.03 |
| 8 | 84 | 42 | 63 | 3 | 1 | 0.03 |
| 9 | 83 | 41 | 62 | 4 | 1 | 0.03 |
| 10 | 83 | 41 | 62 | 4 | 1 | 0.03 |
| 11 | 83 | 41 | 62 | 4 | 1 | 0.03 |
| 12 | 82 | 40 | 61 | 5 | 1 | 0.03 |
| 13 | 82 | 40 | 61 | 5 | 1 | 0.03 |
| 14 | 82 | 40 | 61 | 5 | 1 | 0.03 |
| 15 | 81 | 40 | 61 | 5 | 1 | 0.03 |
| 16 | 81 | 39 | 60 | 5 | 0 | 0.03 |
| 17 | 81 | 39 | 60 | 5 | 0 | 0.03 |
| 18 | 80 | 38 | 59 | 6 | 0 | 0.03 |
| 19 | 80 | 38 | 59 | 6 | 0 | 0.03 |
| 20 | 79 | 38 | 59 | 6 | 0 | 0.03 |
| 21 | 79 | 37 | 58 | 7 | 0 | 0.03 |
| 22 | 79 | 37 | 58 | 7 | 0 | 0.03 |
| 23 | 78 | 36 | 57 | 8 | 0 | 0.03 |
| 24 | 78 | 36 | 57 | 8 | 0 | 0.03 |
| 25 | 77 | 36 | 57 | 8 | 0 | 0.03 |
| 26 | 77 | 35 | 56 | 9 | 0 | 0.03 |
| 27 | 77 | 35 | 56 | 9 | 0 | 0.03 |
| 28 | 76 | 35 | 56 | 9 | 0 | 0.03 |
| 29 | 76 | 34 | 55 | 10 | 0 | 0.03 |
| 30 | 75 | 34 | 55 | 10 | 0 | 0.03 |
| MTH | 81.0 | 39.3 | 60.2 | 167 | 22 | 0.93 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 34 | 54 | 11 | 0 | 0.04 |
| 2 | 75 | 34 | 54 | 11 | 0 | 0.04 |
| 3 | 75 | 34 | 54 | 11 | 0 | 0.04 |
| 4 | 74 | 33 | 53 | 12 | 0 | 0.04 |
| 5 | 74 | 32 | 53 | 12 | 0 | 0.04 |
| 6 | 73 | 32 | 52 | 13 | 0 | 0.04 |
| 7 | 73 | 32 | 52 | 13 | 0 | 0.04 |
| 8 | 72 | 31 | 52 | 13 | 0 | 0.04 |
| 9 | 71 | 31 | 51 | 14 | 0 | 0.04 |
| 10 | 71 | 31 | 51 | 14 | 0 | 0.04 |
| 11 | 70 | 30 | 50 | 15 | 0 | 0.05 |
| 12 | 70 | 30 | 50 | 15 | 0 | 0.05 |
| 13 | 69 | 30 | 50 | 15 | 0 | 0.05 |
| 14 | 69 | 29 | 49 | 16 | 0 | 0.05 |
| 15 | 68 | 29 | 49 | 16 | 0 | 0.05 |
| 16 | 67 | 29 | 48 | 17 | 0 | 0.05 |
| 17 | 67 | 29 | 48 | 17 | 0 | 0.05 |
| 18 | 67 | 28 | 48 | 17 | 0 | 0.05 |
| 19 | 66 | 28 | 47 | 18 | 0 | 0.05 |
| 20 | 66 | 28 | 47 | 18 | 0 | 0.05 |
| 21 | 65 | 27 | 46 | 19 | 0 | 0.05 |
| 22 | 65 | 27 | 46 | 19 | 0 | 0.05 |
| 23 | 64 | 27 | 46 | 19 | 0 | 0.05 |
| 24 | 64 | 26 | 45 | 20 | 0 | 0.05 |
| 25 | 63 | 26 | 45 | 20 | 0 | 0.04 |
| 26 | 62 | 26 | 44 | 21 | 0 | 0.04 |
| 27 | 62 | 26 | 44 | 21 | 0 | 0.04 |
| 28 | 62 | 25 | 44 | 21 | 0 | 0.04 |
| 29 | 61 | 25 | 43 | 22 | 0 | 0.04 |
| 30 | 61 | 25 | 43 | 22 | 0 | 0.04 |
| 31 | 60 | 24 | 42 | 23 | 0 | 0.04 |
| MTH | 67.8 | 29.0 | 48.4 | 515 | 0 | 1.38 |
| AUTUMN SEASON: | 67.2 | 29.4 | 48.4 | 1537 | 22 | 3.10 |
| *ANNUAL:* | 66.3 | 29.2 | 47.8 | 6708 | 450 | 11.94 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 24 | 42 | 23 | 0 | 0.04 |
| 2 | 59 | 24 | 42 | 23 | 0 | 0.04 |
| 3 | 59 | 24 | 41 | 24 | 0 | 0.04 |
| 4 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 5 | 57 | 23 | 40 | 25 | 0 | 0.03 |
| 6 | 57 | 23 | 40 | 25 | 0 | 0.03 |
| 7 | 57 | 23 | 40 | 25 | 0 | 0.03 |
| 8 | 56 | 22 | 39 | 26 | 0 | 0.03 |
| 9 | 56 | 22 | 39 | 26 | 0 | 0.03 |
| 10 | 55 | 21 | 38 | 27 | 0 | 0.03 |
| 11 | 55 | 21 | 38 | 27 | 0 | 0.03 |
| 12 | 54 | 21 | 38 | 27 | 0 | 0.03 |
| 13 | 54 | 20 | 37 | 28 | 0 | 0.03 |
| 14 | 53 | 20 | 37 | 28 | 0 | 0.03 |
| 15 | 53 | 20 | 37 | 28 | 0 | 0.03 |
| 16 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 17 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 18 | 52 | 19 | 36 | 29 | 0 | 0.02 |
| 19 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 20 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 21 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 22 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 23 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 24 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 25 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 26 | 49 | 17 | 33 | 32 | 0 | 0.02 |
| 27 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 28 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 29 | 48 | 15 | 32 | 33 | 0 | 0.02 |
| 30 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| MTH | 53.0 | 19.9 | 36.5 | 855 | 0 | 0.79 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: FREMONT INDIAN S P UTAH Station Number: 423012

Latitude: 38° 34* 42( Longitude: -112° 20* 04( Elevation (feet): 5920

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.06 | 0.06 | 0.09 | 0.04 | 0.06 | 0.00 | 0.09 | 0.03 | 0.02 | 0.00 | 0.00 | 0.03 | 6.12 |
| 0.010 | 0.09 | 0.08 | 0.12 | 0.06 | 0.09 | 0.00 | 0.12 | 0.06 | 0.03 | 0.00 | 0.00 | 0.04 | 6.56 |
| 0.050 | 0.18 | 0.17 | 0.24 | 0.15 | 0.21 | 0.01 | 0.24 | 0.18 | 0.10 | 0.17 | 0.17 | 0.10 | 7.86 |
| 0.100 | 0.25 | 0.24 | 0.34 | 0.24 | 0.31 | 0.06 | 0.34 | 0.31 | 0.17 | 0.34 | 0.28 | 0.16 | 8.63 |
| 0.200 | 0.37 | 0.36 | 0.49 | 0.38 | 0.47 | 0.15 | 0.49 | 0.54 | 0.30 | 0.57 | 0.41 | 0.26 | 9.63 |
| 0.300 | 0.47 | 0.46 | 0.62 | 0.52 | 0.62 | 0.25 | 0.63 | 0.78 | 0.43 | 0.77 | 0.52 | 0.35 | 10.39 |
| 0.400 | 0.57 | 0.57 | 0.75 | 0.66 | 0.78 | 0.37 | 0.77 | 1.03 | 0.56 | 0.97 | 0.62 | 0.44 | 11.08 |
| 0.500 | 0.68 | 0.68 | 0.89 | 0.82 | 0.95 | 0.51 | 0.91 | 1.32 | 0.72 | 1.18 | 0.72 | 0.54 | 11.75 |
| 0.600 | 0.80 | 0.80 | 1.04 | 1.00 | 1.14 | 0.68 | 1.08 | 1.65 | 0.91 | 1.42 | 0.83 | 0.66 | 12.44 |
| 0.700 | 0.95 | 0.95 | 1.23 | 1.23 | 1.37 | 0.90 | 1.27 | 2.07 | 1.13 | 1.70 | 0.97 | 0.80 | 13.21 |
| 0.800 | 1.14 | 1.15 | 1.47 | 1.53 | 1.68 | 1.21 | 1.53 | 2.64 | 1.45 | 2.08 | 1.14 | 0.99 | 14.15 |
| 0.900 | 1.44 | 1.47 | 1.86 | 2.01 | 2.17 | 1.74 | 1.93 | 3.58 | 1.97 | 2.69 | 1.41 | 1.30 | 15.53 |
| 0.950 | 1.73 | 1.76 | 2.22 | 2.48 | 2.64 | 2.27 | 2.32 | 4.50 | 2.47 | 3.26 | 1.66 | 1.59 | 16.73 |
| 0.990 | 2.35 | 2.42 | 3.01 | 3.53 | 3.69 | 3.49 | 3.15 | 6.58 | 3.62 | 4.52 | 2.19 | 2.25 | 19.15 |
| 0.995 | 2.61 | 2.69 | 3.33 | 3.96 | 4.13 | 4.02 | 3.50 | 7.46 | 4.11 | 5.05 | 2.41 | 2.53 | 20.09 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

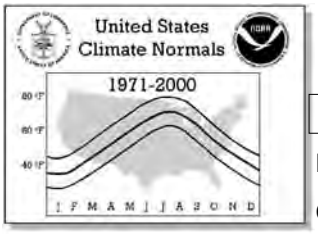
Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: GUNNISON UTAH Station Number: 423514

Latitude: 39° 09* 00( Longitude: -111° 49* 00( Elevation (feet): 5146

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 2 | 45 | 18 | 31 | 34 | 0 | 0.02 |
| 3 | 45 | 18 | 31 | 34 | 0 | 0.02 |
| 4 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 5 | 45 | 16 | 30 | 35 | 0 | 0.02 |
| 6 | 45 | 16 | 30 | 35 | 0 | 0.02 |
| 7 | 43 | 16 | 30 | 35 | 0 | 0.02 |
| 8 | 43 | 16 | 30 | 35 | 0 | 0.02 |
| 9 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 10 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 11 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 12 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 13 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 14 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 15 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 16 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 17 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 18 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 19 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 20 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 21 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 22 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 23 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 24 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 25 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 26 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 27 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 28 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 29 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 30 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 31 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| MTH | 41.5 | 14.9 | 28.2 | 1141 | 0 | 0.62 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 2 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 3 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 4 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 5 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 6 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 7 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 8 | 39 | 13 | 26 | 39 | 0 | 0.03 |
| 9 | 39 | 13 | 26 | 39 | 0 | 0.03 |
| 10 | 39 | 13 | 26 | 39 | 0 | 0.03 |
| 11 | 39 | 14 | 26 | 39 | 0 | 0.03 |
| 12 | 39 | 14 | 26 | 39 | 0 | 0.03 |
| 13 | 39 | 14 | 26 | 39 | 0 | 0.03 |
| 14 | 39 | 14 | 26 | 39 | 0 | 0.03 |
| 15 | 39 | 14 | 26 | 39 | 0 | 0.03 |
| 16 | 39 | 14 | 27 | 38 | 0 | 0.03 |
| 17 | 39 | 14 | 27 | 38 | 0 | 0.03 |
| 18 | 39 | 14 | 27 | 38 | 0 | 0.03 |
| 19 | 40 | 14 | 27 | 38 | 0 | 0.03 |
| 20 | 40 | 14 | 27 | 38 | 0 | 0.03 |
| 21 | 40 | 14 | 27 | 38 | 0 | 0.03 |
| 22 | 40 | 14 | 27 | 38 | 0 | 0.03 |
| 23 | 40 | 15 | 28 | 37 | 0 | 0.03 |
| 24 | 40 | 15 | 28 | 37 | 0 | 0.03 |
| 25 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 26 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 27 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 28 | 41 | 15 | 28 | 37 | 0 | 0.03 |
| 29 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 30 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 31 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| MTH | 39.7 | 14.1 | 26.9 | 1181 | 0 | 0.83 |
| | 42.5 | 16.2 | 29.4 | 3215 | 0 | 2.14 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 17 | 29 | 36 | 0 | 0.03 |
| 2 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 3 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| 4 | 43 | 18 | 30 | 35 | 0 | 0.02 |
| 5 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 6 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 7 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 8 | 45 | 18 | 31 | 34 | 0 | 0.02 |
| 9 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 10 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 11 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 12 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 13 | 46 | 19 | 33 | 32 | 0 | 0.02 |
| 14 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 15 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 16 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 17 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 18 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 19 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 20 | 48 | 21 | 35 | 30 | 0 | 0.03 |
| 21 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 22 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 23 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 24 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 25 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 26 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 27 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 28 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| MTH | 46.5 | 19.7 | 33.1 | 893 | 0 | 0.69 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 23 | 37 | 28 | 0 | 0.03 |
| 2 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 3 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 4 | 53 | 24 | 38 | 27 | 0 | 0.03 |
| 5 | 53 | 24 | 38 | 27 | 0 | 0.03 |
| 6 | 53 | 24 | 39 | 26 | 0 | 0.03 |
| 7 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 8 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 9 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 10 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 11 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 12 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 13 | 56 | 25 | 41 | 24 | 0 | 0.03 |
| 14 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 15 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 16 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 17 | 57 | 26 | 42 | 23 | 0 | 0.04 |
| 18 | 57 | 26 | 42 | 23 | 0 | 0.04 |
| 19 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 20 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 21 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 22 | 58 | 27 | 43 | 22 | 0 | 0.04 |
| 23 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 24 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 25 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 26 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 27 | 60 | 27 | 44 | 21 | 0 | 0.04 |
| 28 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 29 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 30 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 31 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| MTH | 56.5 | 25.7 | 41.1 | 741 | 0 | 1.06 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 62 | 29 | 45 | 20 | 0 | 0.04 |
| 2 | 62 | 29 | 45 | 20 | * | 0.04 |
| 3 | 62 | 29 | 45 | 20 | * | 0.04 |
| 4 | 62 | 29 | 45 | 20 | * | 0.04 |
| 5 | 63 | 29 | 46 | 20 | * | 0.04 |
| 6 | 63 | 29 | 46 | 19 | * | 0.04 |
| 7 | 63 | 29 | 46 | 19 | * | 0.03 |
| 8 | 63 | 29 | 46 | 19 | * | 0.03 |
| 9 | 63 | 29 | 46 | 19 | * | 0.03 |
| 10 | 63 | 30 | 47 | 19 | * | 0.03 |
| 11 | 64 | 30 | 47 | 18 | * | 0.03 |
| 12 | 64 | 30 | 47 | 18 | * | 0.03 |
| 13 | 64 | 30 | 47 | 18 | * | 0.03 |
| 14 | 64 | 30 | 47 | 18 | * | 0.03 |
| 15 | 65 | 30 | 48 | 17 | 0 | 0.03 |
| 16 | 65 | 30 | 48 | 17 | 0 | 0.03 |
| 17 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 18 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 19 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 20 | 66 | 31 | 49 | 16 | 0 | 0.03 |
| 21 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 22 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 23 | 67 | 32 | 50 | 15 | 0 | 0.03 |
| 24 | 67 | 32 | 50 | 15 | 0 | 0.03 |
| 25 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 26 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 27 | 68 | 33 | 51 | 14 | 0 | 0.03 |
| 28 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 29 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 30 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| MTH | 65.1 | 30.6 | 47.9 | 516 | 2 | 0.96 |
| | 65.4 | 31.4 | 48.4 | 1537 | 14 | 2.95 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 2 | 70 | 35 | 52 | 13 | * | 0.03 |
| 3 | 71 | 35 | 53 | 13 | * | 0.03 |
| 4 | 71 | 35 | 53 | 12 | * | 0.03 |
| 5 | 71 | 35 | 53 | 12 | * | 0.03 |
| 6 | 71 | 35 | 53 | 12 | * | 0.03 |
| 7 | 72 | 36 | 54 | 11 | * | 0.03 |
| 8 | 72 | 36 | 54 | 11 | * | 0.03 |
| 9 | 72 | 36 | 54 | 11 | * | 0.03 |
| 10 | 72 | 37 | 55 | 11 | * | 0.03 |
| 11 | 73 | 37 | 55 | 10 | * | 0.03 |
| 12 | 73 | 37 | 55 | 10 | * | 0.03 |
| 13 | 73 | 37 | 55 | 10 | * | 0.03 |
| 14 | 74 | 38 | 56 | 9 | * | 0.03 |
| 15 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 16 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 17 | 75 | 38 | 57 | 8 | 0 | 0.03 |
| 18 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 19 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 20 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 21 | 76 | 39 | 57 | 8 | 0 | 0.03 |
| 22 | 77 | 39 | 58 | 8 | 1 | 0.03 |
| 23 | 77 | 40 | 59 | 7 | 1 | 0.03 |
| 24 | 78 | 40 | 59 | 7 | 1 | 0.03 |
| 25 | 78 | 40 | 59 | 7 | 1 | 0.03 |
| 26 | 78 | 40 | 59 | 7 | 1 | 0.03 |
| 27 | 79 | 41 | 60 | 6 | 1 | 0.03 |
| 28 | 79 | 41 | 60 | 6 | 1 | 0.03 |
| 29 | 79 | 41 | 60 | 6 | 1 | 0.03 |
| 30 | 80 | 41 | 61 | 5 | 1 | 0.03 |
| 31 | 80 | 41 | 61 | 5 | 1 | 0.03 |
| MTH | 74.7 | 38.0 | 56.4 | 280 | 12 | 0.93 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: GUNNISON UTAH Station Number: 423514

Latitude: 39 B 09 * 00 ( Longitude: -111 B 49 * 00 ( Elevation (feet): 5146

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 81 | 42 | 61 | 5 | 1 | 0.02 |
| 2 | 81 | 42 | 61 | 5 | 1 | 0.02 |
| 3 | 82 | 43 | 62 | 5 | 2 | 0.02 |
| 4 | 82 | 43 | 62 | 5 | 2 | 0.02 |
| 5 | 82 | 43 | 62 | 5 | 2 | 0.02 |
| 6 | 83 | 43 | 63 | 4 | 2 | 0.02 |
| 7 | 83 | 43 | 63 | 4 | 2 | 0.02 |
| 8 | 83 | 43 | 63 | 4 | 2 | 0.02 |
| 9 | 84 | 44 | 64 | 3 | 2 | 0.02 |
| 10 | 84 | 44 | 64 | 3 | 2 | 0.02 |
| 11 | 84 | 44 | 64 | 3 | 2 | 0.02 |
| 12 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 13 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 14 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 15 | 86 | 45 | 66 | 2 | 3 | 0.02 |
| 16 | 86 | 45 | 66 | 2 | 3 | 0.02 |
| 17 | 87 | 45 | 66 | 2 | 3 | 0.01 |
| 18 | 87 | 46 | 67 | 2 | 4 | 0.01 |
| 19 | 87 | 46 | 67 | 2 | 4 | 0.01 |
| 20 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 21 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 22 | 88 | 47 | 68 | 1 | 4 | 0.01 |
| 23 | 88 | 47 | 68 | 1 | 4 | 0.01 |
| 24 | 89 | 47 | 68 | 1 | 4 | 0.01 |
| 25 | 89 | 48 | 69 | 1 | 5 | 0.01 |
| 26 | 89 | 48 | 69 | 1 | 5 | 0.01 |
| 27 | 89 | 48 | 69 | 1 | 5 | 0.01 |
| 28 | 90 | 48 | 69 | 1 | 5 | 0.01 |
| 29 | 90 | 48 | 69 | 1 | 5 | 0.01 |
| 30 | 90 | 49 | 70 | 1 | 6 | 0.01 |
| MTH | 85.9 | 45.2 | 65.6 | 78 | 97 | 0.46 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 50 | 70 | 1 | 6 | 0.01 |
| 2 | 91 | 50 | 70 | 1 | 6 | 0.01 |
| 3 | 91 | 50 | 71 | 0 | 6 | 0.01 |
| 4 | 91 | 50 | 71 | 0 | 6 | 0.01 |
| 5 | 91 | 51 | 71 | 0 | 6 | 0.01 |
| 6 | 92 | 51 | 72 | 0 | 7 | 0.01 |
| 7 | 92 | 51 | 72 | 0 | 7 | 0.01 |
| 8 | 92 | 51 | 72 | 0 | 7 | 0.01 |
| 9 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 10 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 11 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 12 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 13 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 14 | 92 | 52 | 72 | 0 | 7 | 0.01 |
| 15 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 16 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 17 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 18 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 19 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 20 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 21 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 22 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 23 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 24 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 25 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 26 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 27 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 28 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 29 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 30 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 31 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| MTH | 92.4 | 52.2 | 72.3 | 2 | 229 | 0.48 |
| SUMMER SEASON: | 89.6 | 49.4 | 69.6 | 88 | 513 | 1.60 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 2 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 3 | 93 | 53 | 73 | 0 | 8 | 0.02 |
| 4 | 92 | 53 | 72 | 0 | 7 | 0.02 |
| 5 | 92 | 53 | 72 | 0 | 7 | 0.02 |
| 6 | 92 | 53 | 72 | 0 | 7 | 0.02 |
| 7 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 8 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 9 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 10 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 11 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 12 | 92 | 52 | 72 | 0 | 7 | 0.02 |
| 13 | 91 | 52 | 72 | 0 | 7 | 0.02 |
| 14 | 91 | 51 | 71 | 0 | 6 | 0.02 |
| 15 | 91 | 51 | 71 | 0 | 6 | 0.02 |
| 16 | 91 | 51 | 71 | 0 | 6 | 0.02 |
| 17 | 91 | 51 | 71 | 0 | 6 | 0.02 |
| 18 | 90 | 51 | 71 | 0 | 6 | 0.02 |
| 19 | 90 | 51 | 71 | 0 | 6 | 0.02 |
| 20 | 90 | 51 | 71 | 0 | 6 | 0.02 |
| 21 | 90 | 50 | 70 | 0 | 5 | 0.02 |
| 22 | 90 | 50 | 70 | 0 | 5 | 0.02 |
| 23 | 89 | 50 | 70 | 0 | 5 | 0.02 |
| 24 | 89 | 49 | 69 | 1 | 5 | 0.02 |
| 25 | 89 | 49 | 69 | 1 | 5 | 0.02 |
| 26 | 89 | 49 | 69 | 1 | 5 | 0.02 |
| 27 | 88 | 49 | 69 | 1 | 5 | 0.02 |
| 28 | 88 | 48 | 68 | 1 | 4 | 0.03 |
| 29 | 88 | 48 | 68 | 1 | 4 | 0.03 |
| 30 | 88 | 48 | 68 | 1 | 4 | 0.03 |
| 31 | 87 | 48 | 68 | 1 | 4 | 0.03 |
| MTH | 90.6 | 50.9 | 70.8 | 8 | 187 | 0.66 |

**SEPTEMBER**

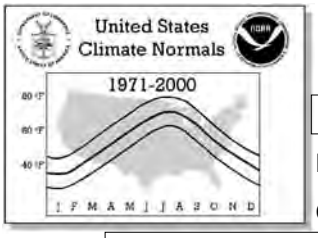
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 48 | 67 | 1 | 3 | 0.02 |
| 2 | 87 | 48 | 67 | 1 | 3 | 0.02 |
| 3 | 87 | 48 | 67 | 1 | 3 | 0.02 |
| 4 | 86 | 47 | 67 | 2 | 4 | 0.02 |
| 5 | 86 | 46 | 66 | 2 | 3 | 0.03 |
| 6 | 85 | 46 | 66 | 2 | 3 | 0.03 |
| 7 | 85 | 45 | 65 | 2 | 2 | 0.03 |
| 8 | 85 | 45 | 65 | 2 | 2 | 0.03 |
| 9 | 85 | 45 | 65 | 2 | 2 | 0.03 |
| 10 | 84 | 45 | 65 | 3 | 3 | 0.03 |
| 11 | 84 | 44 | 64 | 3 | 2 | 0.03 |
| 12 | 84 | 44 | 64 | 3 | 2 | 0.03 |
| 13 | 83 | 43 | 63 | 3 | 1 | 0.03 |
| 14 | 83 | 43 | 63 | 3 | 1 | 0.03 |
| 15 | 83 | 43 | 63 | 3 | 1 | 0.03 |
| 16 | 82 | 42 | 62 | 4 | 1 | 0.03 |
| 17 | 82 | 42 | 62 | 4 | 1 | 0.03 |
| 18 | 82 | 42 | 62 | 4 | 1 | 0.03 |
| 19 | 81 | 41 | 61 | 5 | 1 | 0.03 |
| 20 | 81 | 41 | 61 | 5 | 1 | 0.03 |
| 21 | 80 | 41 | 61 | 5 | 1 | 0.03 |
| 22 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 23 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 24 | 79 | 39 | 59 | 6 | 0 | 0.03 |
| 25 | 79 | 39 | 59 | 6 | 0 | 0.03 |
| 26 | 78 | 39 | 59 | 6 | 0 | 0.03 |
| 27 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 28 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 29 | 77 | 38 | 58 | 7 | 0 | 0.03 |
| 30 | 77 | 37 | 57 | 8 | 0 | 0.03 |
| MTH | 82.3 | 42.6 | 62.5 | 119 | 43 | 0.86 |
| AUTUMN SEASON: | 67.7 | 32.6 | 50.2 | 1391 | 44 | 2.73 |
| *ANNUAL:* | 66.3 | 32.4 | 49.4 | 6231 | 571 | 9.42 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 76 | 37 | 57 | 9 | 1 | 0.03 |
| 2 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 3 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 4 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 5 | 74 | 37 | 55 | 10 | 0 | 0.03 |
| 6 | 74 | 37 | 55 | 10 | 0 | 0.03 |
| 7 | 73 | 35 | 54 | 11 | 0 | 0.03 |
| 8 | 73 | 35 | 54 | 11 | 0 | 0.03 |
| 9 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 10 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 11 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 12 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 13 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 14 | 70 | 33 | 52 | 13 | 0 | 0.04 |
| 15 | 69 | 33 | 51 | 14 | 0 | 0.04 |
| 16 | 69 | 32 | 51 | 14 | 0 | 0.04 |
| 17 | 68 | 32 | 50 | 15 | 0 | 0.04 |
| 18 | 68 | 32 | 50 | 15 | 0 | 0.04 |
| 19 | 67 | 31 | 49 | 16 | 0 | 0.04 |
| 20 | 67 | 31 | 49 | 16 | 0 | 0.04 |
| 21 | 66 | 31 | 49 | 16 | 0 | 0.04 |
| 22 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 23 | 65 | 30 | 48 | 17 | 0 | 0.03 |
| 24 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 25 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 26 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 27 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 28 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 29 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 30 | 61 | 28 | 45 | 20 | 0 | 0.03 |
| 31 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| MTH | 68.7 | 32.5 | 50.6 | 447 | 1 | 1.06 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 2 | 59 | 28 | 43 | 22 | 0 | 0.03 |
| 3 | 59 | 28 | 43 | 22 | 0 | 0.03 |
| 4 | 58 | 27 | 42 | 23 | 0 | 0.03 |
| 5 | 58 | 26 | 42 | 23 | 0 | 0.03 |
| 6 | 57 | 25 | 41 | 24 | 0 | 0.03 |
| 7 | 56 | 25 | 41 | 24 | 0 | 0.03 |
| 8 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 9 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 10 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 11 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 12 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 13 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 14 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 15 | 52 | 23 | 38 | 27 | 0 | 0.03 |
| 16 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 17 | 51 | 22 | 37 | 28 | 0 | 0.03 |
| 18 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 19 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 20 | 50 | 21 | 36 | 29 | 0 | 0.03 |
| 21 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 22 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 23 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 24 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 25 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 26 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 27 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 28 | 46 | 19 | 33 | 32 | 0 | 0.02 |
| 29 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 30 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| MTH | 52.2 | 22.8 | 37.5 | 825 | 0 | 0.81 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: GUNNISON UTAH Station Number: 423514

Latitude: 39B 09* 00( Longitude: -111B 49* 00( Elevation (feet): 5146

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.02 | 0.00 | 0.05 | 0.04 | 0.07 | 0.00 | 0.00 | 0.06 | 0.00 | 0.06 | 0.03 | 0.00 | 3.59 |
| 0.010 | 0.03 | 0.00 | 0.07 | 0.05 | 0.09 | 0.00 | 0.00 | 0.08 | 0.00 | 0.08 | 0.05 | 0.00 | 3.98 |
| 0.050 | 0.10 | 0.06 | 0.17 | 0.14 | 0.19 | 0.00 | 0.04 | 0.17 | 0.05 | 0.19 | 0.13 | 0.03 | 5.19 |
| 0.100 | 0.16 | 0.13 | 0.27 | 0.22 | 0.28 | 0.00 | 0.09 | 0.23 | 0.14 | 0.28 | 0.19 | 0.09 | 5.92 |
| 0.200 | 0.28 | 0.24 | 0.42 | 0.36 | 0.42 | 0.05 | 0.17 | 0.32 | 0.27 | 0.44 | 0.31 | 0.19 | 6.91 |
| 0.300 | 0.39 | 0.34 | 0.57 | 0.49 | 0.54 | 0.15 | 0.24 | 0.41 | 0.40 | 0.58 | 0.42 | 0.28 | 7.69 |
| 0.400 | 0.52 | 0.45 | 0.72 | 0.63 | 0.66 | 0.24 | 0.31 | 0.49 | 0.53 | 0.73 | 0.54 | 0.37 | 8.40 |
| 0.500 | 0.65 | 0.56 | 0.88 | 0.78 | 0.80 | 0.34 | 0.39 | 0.58 | 0.68 | 0.89 | 0.66 | 0.48 | 9.10 |
| 0.600 | 0.81 | 0.69 | 1.06 | 0.96 | 0.95 | 0.45 | 0.48 | 0.68 | 0.85 | 1.08 | 0.81 | 0.60 | 9.84 |
| 0.700 | 1.01 | 0.85 | 1.29 | 1.17 | 1.13 | 0.59 | 0.59 | 0.80 | 1.06 | 1.30 | 0.98 | 0.76 | 10.68 |
| 0.800 | 1.28 | 1.06 | 1.60 | 1.46 | 1.36 | 0.78 | 0.73 | 0.95 | 1.35 | 1.59 | 1.22 | 0.97 | 11.72 |
| 0.900 | 1.72 | 1.41 | 2.09 | 1.93 | 1.74 | 1.07 | 0.97 | 1.19 | 1.82 | 2.07 | 1.60 | 1.32 | 13.26 |
| 0.950 | 2.16 | 1.74 | 2.56 | 2.39 | 2.10 | 1.38 | 1.20 | 1.42 | 2.27 | 2.52 | 1.97 | 1.65 | 14.63 |
| 0.990 | 3.13 | 2.48 | 3.60 | 3.40 | 2.89 | 2.03 | 1.71 | 1.92 | 3.30 | 3.53 | 2.79 | 2.42 | 17.43 |
| 0.995 | 3.54 | 2.79 | 4.04 | 3.82 | 3.22 | 2.31 | 1.93 | 2.12 | 3.73 | 3.95 | 3.14 | 2.74 | 18.54 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: HATCH UTAH Station Number: 423776

Latitude: 37° 38* 51( Longitude: -112° 25* 58( Elevation (feet): 6890

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.66 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 0.86 |
| | | | | | | 2.59 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| MTH | | | | | | 1.07 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 1.18 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| MTH | | | | | | 0.72 |
| | | | | | | 2.79 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.89 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: HATCH UTAH Station Number: 423776

Latitude: 37° 38* 51( Longitude: -112° 25* 58( Elevation (feet): 6890

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.01 |
| 13 | | | | | | 0.01 |
| 14 | | | | | | 0.01 |
| 15 | | | | | | 0.01 |
| 16 | | | | | | 0.01 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| MTH | | | | | | 0.55 |
| | | | | | SUMMER SEASON: | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.25 |
| | | | | | | 3.49 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.06 |
| 7 | | | | | | 0.06 |
| 8 | | | | | | 0.06 |
| 9 | | | | | | 0.06 |
| 10 | | | | | | 0.06 |
| 11 | | | | | | 0.06 |
| 12 | | | | | | 0.06 |
| 13 | | | | | | 0.06 |
| 14 | | | | | | 0.06 |
| 15 | | | | | | 0.06 |
| 16 | | | | | | 0.06 |
| 17 | | | | | | 0.06 |
| 18 | | | | | | 0.06 |
| 19 | | | | | | 0.06 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.69 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| MTH | | | | | | 1.17 |
| | | | | | AUTUMN SEASON: | |
| | | | | | *ANNUAL:* | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.26 |
| | | | | | | 3.39 |
| | | | | | | 12.26 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.02 |
| MTH | | | | | | 0.96 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: HATCH UTAH Station Number: 423776

Latitude: 37° 38* 51( Longitude: -112° 25* 58( Elevation (feet): 6890

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | 6.03 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.02 | 0.00 | 6.49 |
| 0.050 | 0.00 | 0.05 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.28 | 0.03 | 0.00 | 0.08 | 0.00 | 7.87 |
| 0.100 | 0.07 | 0.13 | 0.17 | 0.06 | 0.18 | 0.03 | 0.10 | 0.43 | 0.08 | 0.11 | 0.15 | 0.04 | 8.69 |
| 0.200 | 0.20 | 0.29 | 0.35 | 0.14 | 0.36 | 0.11 | 0.30 | 0.67 | 0.20 | 0.33 | 0.27 | 0.14 | 9.75 |
| 0.300 | 0.34 | 0.45 | 0.52 | 0.23 | 0.50 | 0.19 | 0.50 | 0.90 | 0.35 | 0.53 | 0.41 | 0.24 | 10.57 |
| 0.400 | 0.48 | 0.61 | 0.70 | 0.34 | 0.63 | 0.28 | 0.71 | 1.14 | 0.52 | 0.74 | 0.55 | 0.35 | 11.31 |
| 0.500 | 0.64 | 0.80 | 0.91 | 0.47 | 0.77 | 0.39 | 0.94 | 1.40 | 0.74 | 0.97 | 0.72 | 0.48 | 12.03 |
| 0.600 | 0.83 | 1.03 | 1.15 | 0.64 | 0.93 | 0.52 | 1.22 | 1.70 | 1.02 | 1.24 | 0.92 | 0.63 | 12.78 |
| 0.700 | 1.06 | 1.31 | 1.46 | 0.85 | 1.11 | 0.68 | 1.55 | 2.06 | 1.39 | 1.57 | 1.17 | 0.81 | 13.61 |
| 0.800 | 1.39 | 1.69 | 1.87 | 1.16 | 1.35 | 0.90 | 2.02 | 2.55 | 1.91 | 2.02 | 1.52 | 1.07 | 14.63 |
| 0.900 | 1.93 | 2.33 | 2.55 | 1.70 | 1.73 | 1.29 | 2.80 | 3.33 | 2.83 | 2.78 | 2.10 | 1.50 | 16.13 |
| 0.950 | 2.45 | 2.96 | 3.21 | 2.24 | 2.09 | 1.67 | 3.56 | 4.08 | 3.77 | 3.51 | 2.67 | 1.93 | 17.44 |
| 0.990 | 3.65 | 4.38 | 4.72 | 3.51 | 2.89 | 2.54 | 5.28 | 5.75 | 5.97 | 5.17 | 3.97 | 2.91 | 20.08 |
| 0.995 | 4.17 | 4.99 | 5.35 | 4.06 | 3.22 | 2.92 | 6.02 | 6.45 | 6.93 | 5.87 | 4.53 | 3.32 | 21.11 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANAB UTAH Station Number: 424508

Latitude: 37° 02* 15( Longitude: -112° 31* 29( Elevation (feet): 4940

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| 2 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| 3 | 50 | 25 | 38 | 27 | 0 | 0.03 |
| 4 | 50 | 25 | 37 | 28 | 0 | 0.03 |
| 5 | 50 | 25 | 37 | 28 | 0 | 0.03 |
| 6 | 50 | 25 | 37 | 28 | 0 | 0.03 |
| 7 | 50 | 25 | 37 | 28 | 0 | 0.03 |
| 8 | 49 | 25 | 37 | 28 | 0 | 0.03 |
| 9 | 49 | 24 | 37 | 28 | 0 | 0.03 |
| 10 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 11 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 12 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 13 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 14 | 48 | 23 | 36 | 29 | 0 | 0.03 |
| 15 | 48 | 23 | 36 | 29 | 0 | 0.03 |
| 16 | 48 | 23 | 36 | 29 | 0 | 0.03 |
| 17 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 18 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 19 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 20 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 21 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 22 | 47 | 22 | 35 | 30 | 0 | 0.03 |
| 23 | 47 | 22 | 35 | 30 | 0 | 0.03 |
| 24 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 25 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 26 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 27 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 28 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 29 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 30 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 31 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| MTH | 48.4 | 22.9 | 35.7 | 908 | 0 | 1.01 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 2 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 3 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 4 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 5 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 6 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 7 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 8 | 46 | 21 | 34 | 31 | 0 | 0.06 |
| 9 | 46 | 21 | 34 | 31 | 0 | 0.06 |
| 10 | 47 | 21 | 34 | 31 | 0 | 0.06 |
| 11 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 12 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 13 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 14 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 15 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 16 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 17 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 18 | 47 | 22 | 34 | 31 | 0 | 0.06 |
| 19 | 47 | 22 | 35 | 30 | 0 | 0.06 |
| 20 | 47 | 22 | 35 | 30 | 0 | 0.06 |
| 21 | 48 | 22 | 35 | 30 | 0 | 0.06 |
| 22 | 48 | 22 | 35 | 30 | 0 | 0.07 |
| 23 | 48 | 22 | 35 | 30 | 0 | 0.07 |
| 24 | 48 | 22 | 35 | 30 | 0 | 0.07 |
| 25 | 48 | 22 | 35 | 30 | 0 | 0.07 |
| 26 | 48 | 23 | 36 | 29 | 0 | 0.07 |
| 27 | 49 | 23 | 36 | 29 | 0 | 0.07 |
| 28 | 49 | 23 | 36 | 29 | 0 | 0.07 |
| 29 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| 30 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| 31 | 49 | 23 | 36 | 29 | 0 | 0.06 |
| MTH | 47.3 | 21.9 | 34.6 | 942 | 0 | 1.86 |
| | 49.5 | 23.5 | 36.5 | 2570 | 0 | 4.60 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 25 | 37 | 28 | 0 | 0.07 |
| 2 | 50 | 25 | 37 | 28 | 0 | 0.07 |
| 3 | 50 | 25 | 37 | 28 | 0 | 0.06 |
| 4 | 50 | 25 | 37 | 28 | 0 | 0.06 |
| 5 | 51 | 25 | 38 | 27 | 0 | 0.06 |
| 6 | 51 | 25 | 38 | 27 | 0 | 0.06 |
| 7 | 51 | 25 | 38 | 27 | 0 | 0.06 |
| 8 | 51 | 25 | 38 | 27 | 0 | 0.06 |
| 9 | 51 | 25 | 38 | 27 | 0 | 0.06 |
| 10 | 52 | 25 | 39 | 26 | 0 | 0.06 |
| 11 | 52 | 25 | 39 | 26 | 0 | 0.06 |
| 12 | 52 | 25 | 39 | 26 | 0 | 0.06 |
| 13 | 53 | 25 | 39 | 26 | 0 | 0.06 |
| 14 | 53 | 25 | 39 | 26 | 0 | 0.06 |
| 15 | 53 | 25 | 39 | 26 | 0 | 0.06 |
| 16 | 53 | 26 | 40 | 25 | 0 | 0.06 |
| 17 | 53 | 26 | 40 | 25 | 0 | 0.06 |
| 18 | 54 | 26 | 40 | 25 | 0 | 0.06 |
| 19 | 54 | 26 | 40 | 25 | 0 | 0.06 |
| 20 | 54 | 26 | 40 | 25 | 0 | 0.06 |
| 21 | 54 | 26 | 40 | 25 | 0 | 0.06 |
| 22 | 54 | 27 | 41 | 24 | 0 | 0.06 |
| 23 | 54 | 27 | 41 | 24 | 0 | 0.06 |
| 24 | 55 | 27 | 41 | 24 | 0 | 0.06 |
| 25 | 55 | 27 | 41 | 24 | 0 | 0.06 |
| 26 | 55 | 27 | 41 | 24 | 0 | 0.07 |
| 27 | 55 | 27 | 41 | 24 | 0 | 0.07 |
| 28 | 55 | 28 | 42 | 23 | 0 | 0.07 |
| MTH | 52.7 | 25.8 | 39.3 | 720 | 0 | 1.73 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 28 | 42 | 23 | 0 | 0.06 |
| 2 | 56 | 28 | 42 | 23 | 0 | 0.06 |
| 3 | 56 | 28 | 42 | 23 | 0 | 0.07 |
| 4 | 56 | 28 | 42 | 23 | 0 | 0.07 |
| 5 | 56 | 28 | 42 | 23 | 0 | 0.07 |
| 6 | 56 | 29 | 42 | 23 | 0 | 0.07 |
| 7 | 57 | 29 | 43 | 22 | 0 | 0.07 |
| 8 | 57 | 29 | 43 | 22 | 0 | 0.07 |
| 9 | 57 | 29 | 43 | 22 | 0 | 0.07 |
| 10 | 57 | 29 | 43 | 22 | 0 | 0.07 |
| 11 | 57 | 29 | 43 | 22 | 0 | 0.07 |
| 12 | 58 | 29 | 43 | 22 | 0 | 0.07 |
| 13 | 58 | 29 | 44 | 21 | 0 | 0.07 |
| 14 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 15 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 16 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 17 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 18 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 19 | 59 | 30 | 45 | 20 | 0 | 0.06 |
| 20 | 59 | 30 | 45 | 20 | 0 | 0.06 |
| 21 | 60 | 30 | 45 | 20 | 0 | 0.06 |
| 22 | 60 | 30 | 45 | 20 | 0 | 0.06 |
| 23 | 60 | 30 | 45 | 20 | 0 | 0.06 |
| 24 | 60 | 31 | 46 | 19 | 0 | 0.06 |
| 25 | 61 | 31 | 46 | 19 | 0 | 0.06 |
| 26 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 27 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 28 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 29 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 30 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 31 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| MTH | 58.6 | 29.8 | 44.2 | 645 | 0 | 1.91 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 2 | 63 | 32 | 47 | 18 | 0 | 0.05 |
| 3 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 4 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 5 | 64 | 33 | 48 | 17 | 0 | 0.04 |
| 6 | 64 | 33 | 48 | 17 | 0 | 0.04 |
| 7 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 8 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 9 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 10 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 11 | 65 | 34 | 50 | 15 | 0 | 0.03 |
| 12 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 13 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 14 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 15 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 16 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 17 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 18 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 19 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 20 | 68 | 35 | 52 | 13 | 0 | 0.03 |
| 21 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 22 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 23 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 24 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 25 | 69 | 37 | 53 | 12 | 0 | 0.02 |
| 26 | 69 | 37 | 53 | 12 | 0 | 0.02 |
| 27 | 70 | 37 | 54 | 12 | 1 | 0.02 |
| 28 | 70 | 37 | 54 | 12 | 1 | 0.02 |
| 29 | 70 | 37 | 54 | 12 | 1 | 0.02 |
| 30 | 71 | 37 | 54 | 12 | 1 | 0.02 |
| MTH | 66.5 | 34.6 | 50.6 | 435 | 4 | 0.95 |
| | 66.9 | 35.4 | 51.2 | 1305 | 36 | 3.54 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 71 | 38 | 54 | 11 | 0 | 0.02 |
| 2 | 71 | 39 | 55 | 10 | 0 | 0.03 |
| 3 | 71 | 39 | 55 | 10 | 0 | 0.03 |
| 4 | 72 | 39 | 55 | 10 | 0 | 0.03 |
| 5 | 72 | 39 | 56 | 9 | 0 | 0.03 |
| 6 | 72 | 40 | 56 | 9 | 0 | 0.03 |
| 7 | 73 | 40 | 56 | 9 | 0 | 0.03 |
| 8 | 73 | 40 | 56 | 9 | 0 | 0.02 |
| 9 | 73 | 40 | 57 | 9 | 1 | 0.02 |
| 10 | 74 | 40 | 57 | 9 | 1 | 0.02 |
| 11 | 74 | 40 | 57 | 9 | 1 | 0.02 |
| 12 | 74 | 41 | 58 | 8 | 1 | 0.02 |
| 13 | 74 | 41 | 58 | 8 | 1 | 0.02 |
| 14 | 75 | 41 | 58 | 8 | 1 | 0.02 |
| 15 | 75 | 42 | 59 | 8 | 2 | 0.02 |
| 16 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 17 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 18 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 19 | 77 | 43 | 60 | 6 | 1 | 0.02 |
| 20 | 77 | 43 | 60 | 6 | 1 | 0.02 |
| 21 | 77 | 43 | 60 | 6 | 1 | 0.02 |
| 22 | 77 | 43 | 60 | 6 | 1 | 0.02 |
| 23 | 77 | 43 | 60 | 6 | 1 | 0.02 |
| 24 | 78 | 44 | 61 | 6 | 2 | 0.02 |
| 25 | 79 | 44 | 62 | 5 | 2 | 0.02 |
| 26 | 79 | 44 | 62 | 5 | 2 | 0.02 |
| 27 | 80 | 44 | 62 | 5 | 2 | 0.02 |
| 28 | 80 | 44 | 62 | 5 | 2 | 0.02 |
| 29 | 80 | 45 | 63 | 4 | 2 | 0.02 |
| 30 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 31 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| MTH | 75.7 | 41.8 | 58.8 | 225 | 32 | 0.68 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANAB UTAH Station Number: 424508

Latitude: 37° 02* 15( Longitude: -112° 31* 29( Elevation (feet): 4940

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 47 | 64 | 3 | 2 | 0.02 |
| 2 | 82 | 47 | 64 | 3 | 2 | 0.02 |
| 3 | 83 | 47 | 65 | 3 | 3 | 0.01 |
| 4 | 83 | 48 | 65 | 3 | 3 | 0.01 |
| 5 | 83 | 48 | 65 | 3 | 3 | 0.01 |
| 6 | 83 | 48 | 65 | 3 | 3 | 0.01 |
| 7 | 84 | 48 | 66 | 2 | 3 | 0.01 |
| 8 | 84 | 48 | 66 | 2 | 3 | 0.01 |
| 9 | 84 | 48 | 66 | 2 | 3 | 0.01 |
| 10 | 85 | 48 | 67 | 2 | 4 | 0.01 |
| 11 | 85 | 48 | 67 | 2 | 4 | 0.01 |
| 12 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 13 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 14 | 86 | 49 | 68 | 1 | 4 | 0.01 |
| 15 | 87 | 49 | 68 | 1 | 4 | 0.01 |
| 16 | 87 | 50 | 69 | 1 | 5 | 0.01 |
| 17 | 87 | 50 | 69 | 1 | 5 | 0.01 |
| 18 | 87 | 50 | 69 | 1 | 5 | 0.01 |
| 19 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 20 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 21 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 22 | 88 | 51 | 70 | 1 | 6 | 0.01 |
| 23 | 89 | 51 | 70 | 1 | 6 | 0.02 |
| 24 | 89 | 51 | 70 | 1 | 6 | 0.02 |
| 25 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 26 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 27 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 28 | 90 | 53 | 72 | 0 | 7 | 0.02 |
| 29 | 90 | 53 | 72 | 0 | 7 | 0.02 |
| 30 | 90 | 54 | 72 | 0 | 7 | 0.02 |
| MTH | 86.4 | 49.7 | 68.1 | 43 | 136 | 0.40 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 55 | 72 | 0 | 7 | 0.02 |
| 2 | 90 | 55 | 72 | * | 8 | 0.02 |
| 3 | 91 | 55 | 73 | * | 8 | 0.02 |
| 4 | 91 | 55 | 73 | * | 8 | 0.02 |
| 5 | 91 | 55 | 73 | * | 8 | 0.03 |
| 6 | 91 | 55 | 73 | * | 8 | 0.03 |
| 7 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 8 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 9 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 10 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 11 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 12 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 13 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 14 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 15 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 16 | 91 | 57 | 74 | 0 | 9 | 0.04 |
| 17 | 91 | 57 | 74 | 0 | 9 | 0.04 |
| 18 | 91 | 57 | 74 | 0 | 9 | 0.04 |
| 19 | 91 | 57 | 74 | 0 | 9 | 0.04 |
| 20 | 91 | 57 | 74 | 0 | 9 | 0.04 |
| 21 | 91 | 58 | 75 | 0 | 10 | 0.04 |
| 22 | 91 | 58 | 75 | 0 | 10 | 0.04 |
| 23 | 91 | 58 | 75 | 0 | 10 | 0.04 |
| 24 | 91 | 58 | 74 | 0 | 9 | 0.04 |
| 25 | 91 | 58 | 74 | 0 | 9 | 0.04 |
| 26 | 91 | 58 | 74 | 0 | 9 | 0.04 |
| 27 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 28 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 29 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 30 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 31 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| MTH | 90.8 | 56.8 | 73.8 | 1 | 274 | 1.05 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 2 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 3 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 4 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 5 | 90 | 58 | 74 | 0 | 9 | 0.04 |
| 6 | 89 | 58 | 74 | 0 | 9 | 0.04 |
| 7 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 8 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 9 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 10 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 11 | 89 | 58 | 73 | 0 | 8 | 0.05 |
| 12 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 13 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 14 | 88 | 57 | 73 | 0 | 8 | 0.05 |
| 15 | 88 | 56 | 72 | 0 | 7 | 0.05 |
| 16 | 88 | 56 | 72 | 0 | 7 | 0.05 |
| 17 | 88 | 56 | 72 | 0 | 7 | 0.05 |
| 18 | 87 | 56 | 72 | 0 | 7 | 0.05 |
| 19 | 87 | 56 | 72 | 0 | 7 | 0.05 |
| 20 | 87 | 56 | 72 | 0 | 7 | 0.05 |
| 21 | 87 | 55 | 71 | 0 | 6 | 0.05 |
| 22 | 87 | 55 | 71 | 0 | 6 | 0.05 |
| 23 | 87 | 55 | 71 | 0 | 6 | 0.05 |
| 24 | 86 | 55 | 71 | 0 | 6 | 0.05 |
| 25 | 86 | 55 | 71 | 0 | 6 | 0.05 |
| 26 | 86 | 55 | 71 | 0 | 6 | 0.05 |
| 27 | 86 | 54 | 70 | 0 | 5 | 0.05 |
| 28 | 86 | 54 | 70 | 0 | 5 | 0.05 |
| 29 | 85 | 54 | 70 | 0 | 5 | 0.05 |
| 30 | 85 | 54 | 69 | 1 | 5 | 0.05 |
| 31 | 85 | 54 | 69 | 1 | 5 | 0.05 |
| MTH | 87.7 | 56.4 | 72.1 | 2 | 221 | 1.45 |

SUMMER SEASON: 88.3 54.3 71.3 46 631 2.90

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 85 | 54 | 69 | 1 | 5 | 0.05 |
| 2 | 84 | 54 | 69 | 0 | 4 | 0.05 |
| 3 | 84 | 53 | 68 | 1 | 4 | 0.05 |
| 4 | 84 | 53 | 68 | 1 | 4 | 0.05 |
| 5 | 84 | 53 | 68 | 1 | 4 | 0.05 |
| 6 | 84 | 53 | 68 | 1 | 4 | 0.05 |
| 7 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 8 | 83 | 52 | 67 | 1 | 3 | 0.05 |
| 9 | 83 | 52 | 67 | 1 | 3 | 0.05 |
| 10 | 82 | 51 | 67 | 1 | 3 | 0.05 |
| 11 | 82 | 50 | 66 | 2 | 3 | 0.05 |
| 12 | 82 | 50 | 66 | 2 | 3 | 0.05 |
| 13 | 82 | 50 | 66 | 2 | 3 | 0.05 |
| 14 | 81 | 50 | 66 | 2 | 3 | 0.05 |
| 15 | 81 | 49 | 65 | 2 | 2 | 0.05 |
| 16 | 81 | 49 | 65 | 2 | 2 | 0.05 |
| 17 | 81 | 49 | 65 | 2 | 2 | 0.05 |
| 18 | 80 | 48 | 64 | 3 | 2 | 0.04 |
| 19 | 80 | 48 | 64 | 3 | 2 | 0.04 |
| 20 | 80 | 48 | 64 | 3 | 2 | 0.04 |
| 21 | 79 | 48 | 64 | 3 | 2 | 0.04 |
| 22 | 79 | 47 | 63 | 3 | 1 | 0.04 |
| 23 | 79 | 47 | 63 | 3 | 1 | 0.04 |
| 24 | 78 | 47 | 63 | 3 | 1 | 0.04 |
| 25 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 26 | 78 | 46 | 62 | 4 | 1 | 0.04 |
| 27 | 77 | 46 | 62 | 4 | 1 | 0.04 |
| 28 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 29 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 30 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| MTH | 80.8 | 49.4 | 65.1 | 71 | 73 | 1.37 |

**OCTOBER**

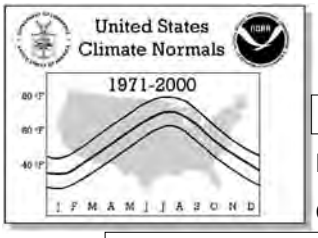
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 76 | 45 | 60 | 6 | 1 | 0.05 |
| 2 | 76 | 43 | 59 | 6 | 0 | 0.05 |
| 3 | 76 | 43 | 59 | 7 | * | 0.05 |
| 4 | 75 | 43 | 59 | 7 | * | 0.05 |
| 5 | 75 | 43 | 59 | 7 | * | 0.05 |
| 6 | 74 | 43 | 59 | 7 | * | 0.05 |
| 7 | 74 | 43 | 59 | 7 | * | 0.05 |
| 8 | 73 | 43 | 58 | 7 | 0 | 0.05 |
| 9 | 73 | 42 | 57 | 8 | 0 | 0.05 |
| 10 | 73 | 42 | 57 | 8 | 0 | 0.05 |
| 11 | 72 | 41 | 56 | 9 | 0 | 0.05 |
| 12 | 72 | 40 | 56 | 9 | 0 | 0.04 |
| 13 | 71 | 40 | 56 | 9 | 0 | 0.04 |
| 14 | 71 | 39 | 55 | 10 | 0 | 0.04 |
| 15 | 70 | 39 | 55 | 10 | 0 | 0.04 |
| 16 | 70 | 39 | 55 | 10 | 0 | 0.04 |
| 17 | 70 | 38 | 54 | 11 | 0 | 0.04 |
| 18 | 69 | 38 | 54 | 11 | 0 | 0.04 |
| 19 | 68 | 38 | 53 | 12 | 0 | 0.04 |
| 20 | 68 | 38 | 53 | 12 | 0 | 0.04 |
| 21 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 22 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 23 | 67 | 36 | 52 | 13 | 0 | 0.04 |
| 24 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 25 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 26 | 65 | 35 | 50 | 15 | 0 | 0.04 |
| 27 | 65 | 35 | 50 | 15 | 0 | 0.04 |
| 28 | 64 | 35 | 50 | 15 | 0 | 0.04 |
| 29 | 64 | 34 | 49 | 16 | 0 | 0.04 |
| 30 | 63 | 34 | 49 | 16 | 0 | 0.04 |
| 31 | 63 | 33 | 48 | 17 | 0 | 0.04 |
| MTH | 69.8 | 39.0 | 54.4 | 334 | 6 | 1.35 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 33 | 48 | 17 | 0 | 0.04 |
| 2 | 62 | 33 | 47 | 18 | 0 | 0.04 |
| 3 | 62 | 33 | 47 | 18 | 0 | 0.04 |
| 4 | 61 | 32 | 46 | 19 | 0 | 0.04 |
| 5 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 6 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 7 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| 8 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| 9 | 58 | 31 | 45 | 20 | 0 | 0.04 |
| 10 | 58 | 30 | 44 | 21 | 0 | 0.04 |
| 11 | 57 | 30 | 44 | 21 | 0 | 0.04 |
| 12 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 13 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 14 | 56 | 29 | 43 | 22 | 0 | 0.04 |
| 15 | 55 | 29 | 42 | 23 | 0 | 0.04 |
| 16 | 55 | 29 | 42 | 23 | 0 | 0.04 |
| 17 | 55 | 28 | 42 | 23 | 0 | 0.04 |
| 18 | 54 | 28 | 41 | 24 | 0 | 0.04 |
| 19 | 54 | 28 | 41 | 24 | 0 | 0.04 |
| 20 | 54 | 27 | 41 | 24 | 0 | 0.04 |
| 21 | 54 | 27 | 41 | 24 | 0 | 0.04 |
| 22 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 23 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 24 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 25 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 26 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 27 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 28 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 29 | 51 | 26 | 39 | 26 | 0 | 0.03 |
| 30 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| MTH | 56.0 | 28.9 | 42.5 | 675 | 0 | 1.18 |

AUTUMN SEASON: 68.9 39.1 54.0 1080 79 3.90

*ANNUAL:* 68.4 38.1 53.2 5001 746 14.94




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANAB UTAH Station Number: 424508

Latitude: 37° 02* 15( Longitude: -112° 31* 29( Elevation (feet): 4940

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 5.13 |
| 0.050 | 0.02 | 0.11 | 0.00 | 0.02 | 0.03 | 0.00 | 0.04 | 0.17 | 0.00 | 0.03 | 0.01 | 0.04 | 7.16 |
| 0.100 | 0.11 | 0.29 | 0.10 | 0.07 | 0.07 | 0.00 | 0.09 | 0.28 | 0.03 | 0.11 | 0.06 | 0.13 | 8.45 |
| 0.200 | 0.31 | 0.56 | 0.38 | 0.18 | 0.15 | 0.02 | 0.20 | 0.49 | 0.15 | 0.28 | 0.18 | 0.28 | 10.21 |
| 0.300 | 0.56 | 0.82 | 0.66 | 0.32 | 0.24 | 0.09 | 0.34 | 0.69 | 0.33 | 0.47 | 0.33 | 0.42 | 11.63 |
| 0.400 | 0.85 | 1.08 | 0.98 | 0.47 | 0.35 | 0.16 | 0.50 | 0.91 | 0.54 | 0.68 | 0.52 | 0.58 | 12.95 |
| 0.500 | 1.21 | 1.38 | 1.35 | 0.65 | 0.47 | 0.25 | 0.69 | 1.15 | 0.81 | 0.94 | 0.74 | 0.76 | 14.26 |
| 0.600 | 1.65 | 1.72 | 1.79 | 0.87 | 0.62 | 0.36 | 0.93 | 1.42 | 1.16 | 1.24 | 1.03 | 0.98 | 15.67 |
| 0.700 | 2.23 | 2.13 | 2.34 | 1.15 | 0.81 | 0.49 | 1.25 | 1.77 | 1.61 | 1.64 | 1.40 | 1.25 | 17.27 |
| 0.800 | 3.06 | 2.70 | 3.12 | 1.55 | 1.09 | 0.68 | 1.70 | 2.24 | 2.28 | 2.20 | 1.93 | 1.61 | 19.27 |
| 0.900 | 4.49 | 3.62 | 4.42 | 2.24 | 1.56 | 1.00 | 2.47 | 3.02 | 3.44 | 3.15 | 2.87 | 2.22 | 22.29 |
| 0.950 | 5.93 | 4.52 | 5.72 | 2.93 | 2.02 | 1.33 | 3.25 | 3.77 | 4.62 | 4.10 | 3.81 | 2.82 | 25.01 |
| 0.990 | 9.32 | 6.53 | 8.69 | 4.53 | 3.11 | 2.07 | 5.08 | 5.47 | 7.42 | 6.29 | 6.04 | 4.18 | 30.65 |
| 0.995 | 10.79 | 7.38 | 9.97 | 5.22 | 3.58 | 2.39 | 5.87 | 6.19 | 8.64 | 7.24 | 7.00 | 4.75 | 32.89 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANOSH UTAH Station Number: 424527

Latitude: 38 B 47 * 46 ( Longitude: -112 B 26* 25 ( Elevation (feet): 4990

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 22 | 33 | 32 | 0 | 0.04 |
| 2 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 3 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 4 | 45 | 20 | 32 | 33 | 0 | 0.04 |
| 5 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 6 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 7 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 8 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 9 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 10 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 11 | 43 | 18 | 31 | 34 | 0 | 0.04 |
| 12 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 13 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 14 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 15 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 16 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 17 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 18 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 19 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 20 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 21 | 41 | 17 | 29 | 36 | 0 | 0.04 |
| 22 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 23 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 24 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 25 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 26 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 27 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 28 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 29 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 30 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 31 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| MTH | 41.9 | 17.9 | 29.9 | 1088 | 0 | 1.21 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 2 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 3 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 4 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 5 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 6 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 7 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 8 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 9 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 10 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 11 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 12 | 40 | 17 | 29 | 36 | 0 | 0.05 |
| 13 | 40 | 17 | 29 | 36 | 0 | 0.05 |
| 14 | 40 | 17 | 29 | 36 | 0 | 0.05 |
| 15 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 16 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 17 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 18 | 41 | 18 | 29 | 36 | 0 | 0.05 |
| 19 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 20 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 21 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 22 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 23 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 24 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 25 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 26 | 42 | 19 | 31 | 34 | 0 | 0.04 |
| 27 | 42 | 19 | 31 | 34 | 0 | 0.04 |
| 28 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 29 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 30 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 31 | 43 | 20 | 32 | 33 | 0 | 0.04 |
| MTH | 40.9 | 17.8 | 29.4 | 1104 | 0 | 1.38 |
| | 43.4 | 19.5 | 31.5 | 3025 | 0 | 3.84 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 21 | 32 | 33 | 0 | 0.04 |
| 2 | 44 | 21 | 32 | 33 | 0 | 0.04 |
| 3 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 4 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 5 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 6 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 7 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 8 | 45 | 22 | 33 | 32 | 0 | 0.04 |
| 9 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 10 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 11 | 47 | 22 | 34 | 31 | 0 | 0.04 |
| 12 | 47 | 22 | 34 | 31 | 0 | 0.04 |
| 13 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 14 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 15 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 16 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 17 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 18 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 19 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 20 | 49 | 24 | 37 | 28 | 0 | 0.05 |
| 21 | 49 | 24 | 37 | 28 | 0 | 0.05 |
| 22 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 23 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 24 | 50 | 25 | 38 | 27 | 0 | 0.05 |
| 25 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 26 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 27 | 51 | 26 | 39 | 26 | 0 | 0.05 |
| 28 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| MTH | 47.6 | 22.9 | 35.3 | 833 | 0 | 1.25 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 27 | 39 | 26 | 0 | 0.05 |
| 2 | 52 | 27 | 39 | 26 | 0 | 0.05 |
| 3 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 4 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 5 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 6 | 54 | 27 | 40 | 25 | 0 | 0.06 |
| 7 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 8 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 9 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 10 | 54 | 29 | 42 | 23 | 0 | 0.06 |
| 11 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 12 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 13 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 14 | 56 | 30 | 43 | 22 | 0 | 0.06 |
| 15 | 56 | 30 | 43 | 22 | 0 | 0.06 |
| 16 | 56 | 30 | 43 | 22 | 0 | 0.06 |
| 17 | 56 | 30 | 43 | 22 | 0 | 0.06 |
| 18 | 57 | 30 | 44 | 21 | 0 | 0.06 |
| 19 | 57 | 31 | 44 | 21 | 0 | 0.06 |
| 20 | 57 | 31 | 44 | 21 | 0 | 0.06 |
| 21 | 57 | 31 | 44 | 21 | 0 | 0.07 |
| 22 | 57 | 31 | 44 | 21 | 0 | 0.07 |
| 23 | 58 | 31 | 45 | 20 | 0 | 0.07 |
| 24 | 58 | 32 | 45 | 20 | 0 | 0.07 |
| 25 | 58 | 32 | 45 | 20 | 0 | 0.07 |
| 26 | 58 | 32 | 45 | 20 | 0 | 0.07 |
| 27 | 58 | 32 | 45 | 20 | 0 | 0.07 |
| 28 | 59 | 32 | 46 | 19 | 0 | 0.06 |
| 29 | 59 | 32 | 46 | 19 | 0 | 0.06 |
| 30 | 60 | 32 | 46 | 19 | 0 | 0.06 |
| 31 | 60 | 32 | 46 | 19 | 0 | 0.06 |
| MTH | 56.0 | 29.8 | 42.9 | 685 | 0 | 1.91 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 61 | 32 | 46 | 19 | 0 | 0.07 |
| 2 | 61 | 33 | 47 | 18 | 0 | 0.07 |
| 3 | 61 | 33 | 47 | 18 | 0 | 0.06 |
| 4 | 61 | 33 | 47 | 18 | 0 | 0.06 |
| 5 | 61 | 33 | 47 | 18 | 0 | 0.06 |
| 6 | 62 | 33 | 47 | 18 | 0 | 0.06 |
| 7 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 8 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 9 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 10 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 11 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 12 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 13 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 14 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 15 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 16 | 64 | 35 | 50 | 15 | 0 | 0.06 |
| 17 | 64 | 36 | 50 | 15 | 0 | 0.06 |
| 18 | 64 | 36 | 50 | 15 | 0 | 0.06 |
| 19 | 64 | 36 | 50 | 15 | 0 | 0.06 |
| 20 | 65 | 36 | 51 | 14 | 0 | 0.06 |
| 21 | 65 | 37 | 51 | 14 | 0 | 0.06 |
| 22 | 65 | 37 | 51 | 14 | 0 | 0.06 |
| 23 | 65 | 37 | 51 | 14 | 0 | 0.06 |
| 24 | 66 | 37 | 52 | 13 | 0 | 0.06 |
| 25 | 66 | 38 | 52 | 13 | 0 | 0.06 |
| 26 | 67 | 38 | 53 | 13 | 1 | 0.06 |
| 27 | 67 | 38 | 53 | 13 | 1 | 0.06 |
| 28 | 67 | 38 | 53 | 13 | 1 | 0.06 |
| 29 | 67 | 39 | 53 | 13 | 1 | 0.06 |
| 30 | 68 | 39 | 54 | 12 | 1 | 0.06 |
| MTH | 63.8 | 35.5 | 49.7 | 464 | 5 | 1.82 |
| | 64.3 | 36.3 | 50.3 | 1400 | 50 | 5.31 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 68 | 40 | 54 | 12 | 1 | 0.06 |
| 2 | 69 | 40 | 54 | 12 | 1 | 0.06 |
| 3 | 69 | 40 | 54 | 12 | 1 | 0.06 |
| 4 | 69 | 40 | 55 | 11 | 1 | 0.06 |
| 5 | 69 | 41 | 55 | 11 | 1 | 0.06 |
| 6 | 70 | 41 | 55 | 11 | 1 | 0.06 |
| 7 | 70 | 41 | 55 | 11 | 1 | 0.06 |
| 8 | 70 | 41 | 56 | 10 | 1 | 0.06 |
| 9 | 71 | 41 | 56 | 10 | 1 | 0.06 |
| 10 | 71 | 41 | 56 | 10 | 1 | 0.06 |
| 11 | 71 | 42 | 57 | 9 | 1 | 0.06 |
| 12 | 72 | 42 | 57 | 9 | 1 | 0.06 |
| 13 | 72 | 42 | 57 | 9 | 1 | 0.05 |
| 14 | 72 | 43 | 58 | 8 | 1 | 0.05 |
| 15 | 73 | 43 | 58 | 8 | 1 | 0.05 |
| 16 | 73 | 43 | 58 | 8 | 1 | 0.05 |
| 17 | 73 | 44 | 59 | 7 | 1 | 0.05 |
| 18 | 74 | 44 | 59 | 7 | 1 | 0.05 |
| 19 | 74 | 44 | 59 | 7 | 1 | 0.05 |
| 20 | 74 | 45 | 60 | 7 | 2 | 0.05 |
| 21 | 75 | 45 | 60 | 7 | 2 | 0.05 |
| 22 | 75 | 45 | 60 | 7 | 2 | 0.05 |
| 23 | 75 | 46 | 61 | 6 | 2 | 0.05 |
| 24 | 76 | 46 | 61 | 6 | 2 | 0.04 |
| 25 | 76 | 46 | 61 | 6 | 2 | 0.04 |
| 26 | 77 | 47 | 62 | 5 | 2 | 0.04 |
| 27 | 77 | 47 | 62 | 5 | 2 | 0.04 |
| 28 | 77 | 47 | 62 | 5 | 2 | 0.04 |
| 29 | 77 | 47 | 62 | 5 | 2 | 0.04 |
| 30 | 78 | 48 | 63 | 5 | 3 | 0.04 |
| 31 | 78 | 48 | 63 | 5 | 3 | 0.03 |
| MTH | 73.1 | 43.6 | 58.4 | 251 | 45 | 1.58 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANOSH UTAH Station Number: 424527

Latitude: 38 B 47 * 46 ( Longitude: -112 B 26 * 25 ( Elevation (feet): 4990

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 49 | 64 | 4 | 3 | 0.03 |
| 2 | 80 | 49 | 64 | 4 | 3 | 0.03 |
| 3 | 80 | 49 | 64 | 4 | 3 | 0.03 |
| 4 | 80 | 49 | 65 | 3 | 3 | 0.03 |
| 5 | 81 | 49 | 65 | 3 | 3 | 0.03 |
| 6 | 81 | 50 | 65 | 3 | 3 | 0.03 |
| 7 | 81 | 50 | 66 | 3 | 4 | 0.03 |
| 8 | 82 | 50 | 66 | 3 | 4 | 0.02 |
| 9 | 82 | 50 | 66 | 3 | 4 | 0.02 |
| 10 | 83 | 51 | 67 | 2 | 4 | 0.02 |
| 11 | 83 | 51 | 67 | 2 | 4 | 0.02 |
| 12 | 83 | 52 | 68 | 2 | 5 | 0.02 |
| 13 | 84 | 52 | 68 | 2 | 5 | 0.02 |
| 14 | 84 | 52 | 68 | 2 | 5 | 0.02 |
| 15 | 84 | 53 | 69 | 1 | 5 | 0.02 |
| 16 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 17 | 85 | 54 | 70 | 1 | 6 | 0.02 |
| 18 | 85 | 54 | 70 | 1 | 6 | 0.02 |
| 19 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 20 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 21 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 22 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 23 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 24 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 25 | 88 | 56 | 72 | 1 | 8 | 0.02 |
| 26 | 88 | 56 | 72 | 1 | 8 | 0.02 |
| 27 | 88 | 57 | 73 | 0 | 8 | 0.02 |
| 28 | 89 | 57 | 73 | 0 | 8 | 0.02 |
| 29 | 89 | 58 | 74 | 0 | 9 | 0.02 |
| 30 | 89 | 58 | 74 | 0 | 9 | 0.02 |
| MTH | 84.4 | 52.9 | 68.7 | 52 | 164 | 0.67 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 59 | 74 | 0 | 9 | 0.02 |
| 2 | 90 | 59 | 74 | * | 10 | 0.02 |
| 3 | 91 | 59 | 75 | * | 10 | 0.02 |
| 4 | 91 | 59 | 75 | * | 10 | 0.02 |
| 5 | 91 | 60 | 75 | * | 10 | 0.02 |
| 6 | 91 | 60 | 76 | * | 11 | 0.02 |
| 7 | 92 | 60 | 76 | 0 | 11 | 0.02 |
| 8 | 92 | 60 | 76 | 0 | 11 | 0.03 |
| 9 | 92 | 61 | 76 | 0 | 11 | 0.03 |
| 10 | 92 | 61 | 76 | 0 | 11 | 0.03 |
| 11 | 92 | 61 | 77 | 0 | 12 | 0.03 |
| 12 | 92 | 61 | 77 | 0 | 12 | 0.03 |
| 13 | 92 | 61 | 77 | 0 | 12 | 0.03 |
| 14 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 15 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 16 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 17 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 18 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 19 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 20 | 93 | 62 | 78 | 0 | 13 | 0.03 |
| 21 | 93 | 62 | 78 | 0 | 13 | 0.03 |
| 22 | 93 | 63 | 78 | 0 | 13 | 0.03 |
| 23 | 93 | 63 | 78 | 0 | 13 | 0.03 |
| 24 | 93 | 63 | 78 | 0 | 13 | 0.03 |
| 25 | 93 | 63 | 78 | 0 | 13 | 0.03 |
| 26 | 93 | 63 | 78 | 0 | 13 | 0.03 |
| 27 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 28 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 29 | 92 | 62 | 77 | 0 | 12 | 0.04 |
| 30 | 92 | 62 | 77 | 0 | 12 | 0.04 |
| 31 | 92 | 62 | 77 | 0 | 12 | 0.04 |
| MTH | 92.0 | 61.4 | 76.7 | 1 | 363 | 0.89 |
| SUMMER SEASON: | 88.7 | 57.8 | 73.3 | 56 | 824 | 2.70 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 2 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 3 | 92 | 62 | 77 | 0 | 12 | 0.03 |
| 4 | 92 | 62 | 77 | 0 | 12 | 0.04 |
| 5 | 92 | 62 | 77 | 0 | 12 | 0.04 |
| 6 | 91 | 62 | 76 | 0 | 11 | 0.04 |
| 7 | 91 | 62 | 76 | 0 | 11 | 0.04 |
| 8 | 91 | 61 | 76 | 0 | 11 | 0.04 |
| 9 | 91 | 61 | 76 | 0 | 11 | 0.04 |
| 10 | 91 | 61 | 76 | 0 | 11 | 0.04 |
| 11 | 91 | 61 | 76 | 0 | 11 | 0.04 |
| 12 | 91 | 60 | 75 | 0 | 10 | 0.04 |
| 13 | 91 | 60 | 75 | 0 | 10 | 0.04 |
| 14 | 90 | 60 | 75 | 0 | 10 | 0.04 |
| 15 | 90 | 60 | 75 | 0 | 10 | 0.04 |
| 16 | 90 | 60 | 75 | 0 | 10 | 0.04 |
| 17 | 90 | 59 | 75 | 0 | 10 | 0.04 |
| 18 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 19 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 20 | 89 | 59 | 74 | 0 | 9 | 0.04 |
| 21 | 89 | 58 | 74 | 0 | 9 | 0.04 |
| 22 | 89 | 58 | 74 | 0 | 9 | 0.04 |
| 23 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 24 | 88 | 57 | 73 | 0 | 8 | 0.04 |
| 25 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 26 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 27 | 87 | 57 | 72 | 0 | 7 | 0.03 |
| 28 | 87 | 56 | 72 | 0 | 7 | 0.03 |
| 29 | 87 | 55 | 71 | 1 | 7 | 0.03 |
| 30 | 87 | 55 | 71 | 1 | 7 | 0.03 |
| 31 | 86 | 55 | 70 | 1 | 6 | 0.03 |
| MTH | 89.7 | 59.3 | 74.5 | 3 | 297 | 1.14 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 55 | 70 | 1 | 6 | 0.04 |
| 2 | 86 | 55 | 70 | 1 | 6 | 0.03 |
| 3 | 85 | 55 | 70 | 1 | 6 | 0.03 |
| 4 | 85 | 54 | 69 | 1 | 5 | 0.03 |
| 5 | 85 | 54 | 69 | 1 | 5 | 0.03 |
| 6 | 84 | 54 | 69 | 1 | 5 | 0.03 |
| 7 | 84 | 53 | 69 | 1 | 5 | 0.03 |
| 8 | 84 | 52 | 68 | 1 | 4 | 0.03 |
| 9 | 83 | 52 | 68 | 1 | 4 | 0.03 |
| 10 | 83 | 51 | 67 | 2 | 4 | 0.03 |
| 11 | 83 | 51 | 67 | 2 | 4 | 0.03 |
| 12 | 82 | 50 | 66 | 2 | 3 | 0.03 |
| 13 | 82 | 50 | 66 | 2 | 3 | 0.03 |
| 14 | 82 | 50 | 66 | 2 | 3 | 0.03 |
| 15 | 81 | 49 | 65 | 3 | 3 | 0.03 |
| 16 | 81 | 49 | 65 | 3 | 3 | 0.03 |
| 17 | 81 | 49 | 65 | 3 | 3 | 0.04 |
| 18 | 80 | 48 | 64 | 3 | 2 | 0.04 |
| 19 | 80 | 48 | 64 | 3 | 2 | 0.04 |
| 20 | 79 | 48 | 64 | 3 | 2 | 0.04 |
| 21 | 79 | 47 | 63 | 4 | 2 | 0.04 |
| 22 | 79 | 47 | 63 | 4 | 2 | 0.04 |
| 23 | 78 | 46 | 62 | 5 | 2 | 0.04 |
| 24 | 78 | 46 | 62 | 5 | 2 | 0.04 |
| 25 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 26 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 27 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 28 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 29 | 76 | 44 | 60 | 6 | 1 | 0.04 |
| 30 | 75 | 44 | 60 | 6 | 1 | 0.04 |
| MTH | 80.9 | 49.4 | 65.2 | 87 | 92 | 1.05 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 44 | 59 | 7 | 1 | 0.04 |
| 2 | 74 | 44 | 59 | 7 | 1 | 0.04 |
| 3 | 73 | 44 | 58 | 8 | 1 | 0.05 |
| 4 | 73 | 44 | 58 | 8 | 1 | 0.05 |
| 5 | 73 | 42 | 58 | 8 | 1 | 0.05 |
| 6 | 73 | 42 | 58 | 8 | 1 | 0.05 |
| 7 | 72 | 42 | 57 | 8 | 0 | 0.05 |
| 8 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 9 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 10 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 11 | 70 | 40 | 55 | 10 | 0 | 0.05 |
| 12 | 70 | 40 | 55 | 10 | 0 | 0.05 |
| 13 | 69 | 39 | 54 | 11 | 0 | 0.05 |
| 14 | 69 | 39 | 54 | 11 | 0 | 0.05 |
| 15 | 68 | 38 | 53 | 12 | 0 | 0.05 |
| 16 | 68 | 38 | 53 | 12 | 0 | 0.05 |
| 17 | 67 | 38 | 53 | 12 | 0 | 0.05 |
| 18 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 19 | 66 | 37 | 52 | 13 | 0 | 0.06 |
| 20 | 66 | 36 | 51 | 14 | 0 | 0.06 |
| 21 | 65 | 36 | 51 | 14 | 0 | 0.06 |
| 22 | 64 | 36 | 50 | 15 | 0 | 0.06 |
| 23 | 64 | 36 | 50 | 15 | 0 | 0.06 |
| 24 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 25 | 63 | 35 | 49 | 16 | 0 | 0.06 |
| 26 | 62 | 35 | 49 | 16 | 0 | 0.06 |
| 27 | 62 | 34 | 48 | 17 | 0 | 0.06 |
| 28 | 61 | 34 | 48 | 17 | 0 | 0.06 |
| 29 | 61 | 33 | 47 | 18 | 0 | 0.06 |
| 30 | 60 | 33 | 47 | 18 | 0 | 0.06 |
| 31 | 60 | 32 | 46 | 19 | 0 | 0.06 |
| MTH | 67.5 | 38.3 | 52.9 | 380 | 6 | 1.66 |
| AUTUMN SEASON: | 66.9 | 38.1 | 52.6 | 1229 | 98 | 4.21 |
| *ANNUAL:* | 65.8 | 37.9 | 51.9 | 5710 | 972 | 16.06 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 32 | 46 | 19 | 0 | 0.06 |
| 2 | 59 | 32 | 45 | 20 | 0 | 0.06 |
| 3 | 59 | 32 | 45 | 20 | 0 | 0.06 |
| 4 | 57 | 32 | 44 | 21 | 0 | 0.06 |
| 5 | 57 | 31 | 44 | 21 | 0 | 0.05 |
| 6 | 57 | 30 | 44 | 21 | 0 | 0.05 |
| 7 | 56 | 30 | 43 | 22 | 0 | 0.05 |
| 8 | 56 | 30 | 43 | 22 | 0 | 0.05 |
| 9 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 10 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 11 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 12 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 13 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 14 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 15 | 52 | 27 | 40 | 25 | 0 | 0.05 |
| 16 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 17 | 51 | 26 | 39 | 26 | 0 | 0.05 |
| 18 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 19 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 20 | 50 | 25 | 38 | 27 | 0 | 0.05 |
| 21 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 22 | 49 | 24 | 37 | 28 | 0 | 0.05 |
| 23 | 48 | 24 | 36 | 29 | 0 | 0.05 |
| 24 | 48 | 24 | 36 | 29 | 0 | 0.05 |
| 25 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 26 | 47 | 23 | 35 | 30 | 0 | 0.05 |
| 27 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 28 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 29 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 30 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| MTH | 52.3 | 26.8 | 39.6 | 762 | 0 | 1.50 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KANOSH UTAH Station Number: 424527

Latitude: 38° 47* 46( Longitude: -112° 26* 25( Elevation (feet): 4990

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.08 | 0.10 | 0.13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.06 | 0.15 | 0.08 | 7.66 |
| 0.010 | 0.12 | 0.13 | 0.18 | 0.13 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.08 | 0.19 | 0.11 | 8.28 |
| 0.050 | 0.27 | 0.28 | 0.39 | 0.31 | 0.13 | 0.00 | 0.04 | 0.13 | 0.06 | 0.23 | 0.38 | 0.24 | 10.13 |
| 0.100 | 0.39 | 0.39 | 0.56 | 0.47 | 0.31 | 0.00 | 0.11 | 0.22 | 0.16 | 0.37 | 0.52 | 0.35 | 11.22 |
| 0.200 | 0.60 | 0.58 | 0.84 | 0.73 | 0.57 | 0.06 | 0.24 | 0.38 | 0.33 | 0.61 | 0.73 | 0.52 | 12.65 |
| 0.300 | 0.78 | 0.74 | 1.10 | 0.98 | 0.80 | 0.16 | 0.37 | 0.54 | 0.48 | 0.84 | 0.93 | 0.69 | 13.76 |
| 0.400 | 0.97 | 0.91 | 1.36 | 1.24 | 1.04 | 0.28 | 0.51 | 0.71 | 0.64 | 1.08 | 1.12 | 0.85 | 14.75 |
| 0.500 | 1.18 | 1.08 | 1.64 | 1.51 | 1.29 | 0.42 | 0.67 | 0.90 | 0.82 | 1.35 | 1.32 | 1.03 | 15.72 |
| 0.600 | 1.41 | 1.28 | 1.95 | 1.83 | 1.59 | 0.59 | 0.86 | 1.12 | 1.03 | 1.65 | 1.54 | 1.23 | 16.74 |
| 0.700 | 1.69 | 1.51 | 2.33 | 2.21 | 1.95 | 0.82 | 1.09 | 1.39 | 1.29 | 2.03 | 1.81 | 1.47 | 17.87 |
| 0.800 | 2.05 | 1.82 | 2.82 | 2.73 | 2.43 | 1.14 | 1.42 | 1.76 | 1.64 | 2.54 | 2.16 | 1.79 | 19.26 |
| 0.900 | 2.64 | 2.32 | 3.62 | 3.56 | 3.22 | 1.67 | 1.96 | 2.37 | 2.22 | 3.37 | 2.71 | 2.31 | 21.30 |
| 0.950 | 3.21 | 2.78 | 4.38 | 4.35 | 3.97 | 2.22 | 2.49 | 2.96 | 2.78 | 4.17 | 3.22 | 2.79 | 23.08 |
| 0.990 | 4.44 | 3.80 | 6.05 | 6.11 | 5.64 | 3.48 | 3.70 | 4.30 | 4.04 | 5.97 | 4.34 | 3.87 | 26.69 |
| 0.995 | 4.96 | 4.23 | 6.74 | 6.84 | 6.34 | 4.03 | 4.21 | 4.86 | 4.58 | 6.72 | 4.81 | 4.32 | 28.10 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KODACHROME BASIN PARK UTAH Station Number: 424755

Latitude: 37 B 31 * 14 ( Longitude: -111 B 59* 14 ( Elevation (feet): 5810

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 2 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 3 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| 4 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 5 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 6 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 7 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 8 | 48 | 17 | 32 | 33 | 0 | 0.02 |
| 9 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 10 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 11 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 12 | 48 | 16 | 32 | 33 | 0 | 0.02 |
| 13 | 47 | 16 | 32 | 33 | 0 | 0.02 |
| 14 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 15 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 16 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 17 | 46 | 15 | 31 | 34 | 0 | 0.02 |
| 18 | 46 | 15 | 31 | 34 | 0 | 0.02 |
| 19 | 46 | 15 | 31 | 34 | 0 | 0.02 |
| 20 | 46 | 15 | 31 | 34 | 0 | 0.02 |
| 21 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 22 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 23 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 24 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 25 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 26 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 27 | 45 | 15 | 30 | 35 | 0 | 0.02 |
| 28 | 45 | 14 | 30 | 35 | 0 | 0.02 |
| 29 | 45 | 14 | 30 | 35 | 0 | 0.02 |
| 30 | 45 | 14 | 30 | 35 | 0 | 0.02 |
| 31 | 45 | 14 | 30 | 35 | 0 | 0.03 |
| MTH | 46.9 | 15.8 | 31.4 | 1042 | 0 | 0.63 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 14 | 30 | 35 | 0 | 0.03 |
| 2 | 45 | 14 | 30 | 35 | 0 | 0.03 |
| 3 | 45 | 14 | 30 | 35 | 0 | 0.03 |
| 4 | 45 | 14 | 29 | 36 | 0 | 0.03 |
| 5 | 45 | 14 | 29 | 36 | 0 | 0.03 |
| 6 | 45 | 14 | 29 | 36 | 0 | 0.03 |
| 7 | 45 | 14 | 29 | 36 | 0 | 0.03 |
| 8 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 9 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 10 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 11 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 12 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 13 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 14 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 15 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 16 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 17 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 18 | 45 | 15 | 30 | 35 | 0 | 0.03 |
| 19 | 45 | 16 | 30 | 35 | 0 | 0.03 |
| 20 | 45 | 16 | 30 | 35 | 0 | 0.03 |
| 21 | 45 | 16 | 31 | 34 | 0 | 0.03 |
| 22 | 45 | 16 | 31 | 34 | 0 | 0.04 |
| 23 | 46 | 16 | 31 | 34 | 0 | 0.04 |
| 24 | 46 | 16 | 31 | 34 | 0 | 0.04 |
| 25 | 46 | 16 | 31 | 34 | 0 | 0.04 |
| 26 | 46 | 16 | 31 | 34 | 0 | 0.04 |
| 27 | 46 | 17 | 32 | 33 | 0 | 0.04 |
| 28 | 46 | 17 | 32 | 33 | 0 | 0.04 |
| 29 | 47 | 17 | 32 | 33 | 0 | 0.04 |
| 30 | 47 | 17 | 32 | 33 | 0 | 0.04 |
| 31 | 47 | 17 | 32 | 33 | 0 | 0.04 |
| MTH | 45.4 | 15.4 | 30.4 | 1073 | 0 | 1.03 |
| | 47.6 | 17.2 | 32.4 | 2941 | 0 | 2.78 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 18 | 33 | 32 | 0 | 0.04 |
| 2 | 48 | 18 | 33 | 32 | 0 | 0.04 |
| 3 | 48 | 18 | 33 | 32 | 0 | 0.04 |
| 4 | 48 | 18 | 33 | 32 | 0 | 0.04 |
| 5 | 48 | 19 | 34 | 31 | 0 | 0.04 |
| 6 | 49 | 19 | 34 | 31 | 0 | 0.04 |
| 7 | 49 | 19 | 34 | 31 | 0 | 0.04 |
| 8 | 49 | 19 | 34 | 31 | 0 | 0.04 |
| 9 | 49 | 19 | 34 | 31 | 0 | 0.04 |
| 10 | 49 | 20 | 35 | 30 | 0 | 0.04 |
| 11 | 50 | 20 | 35 | 30 | 0 | 0.04 |
| 12 | 50 | 20 | 35 | 30 | 0 | 0.04 |
| 13 | 50 | 20 | 35 | 30 | 0 | 0.04 |
| 14 | 50 | 20 | 35 | 30 | 0 | 0.04 |
| 15 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 16 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 17 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 18 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 19 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 20 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 21 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 22 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 23 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 24 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 25 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 26 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 27 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 28 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| MTH | 50.4 | 20.5 | 35.5 | 826 | 0 | 1.12 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 53 | 24 | 38 | 27 | 0 | 0.04 |
| 2 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 3 | 55 | 24 | 39 | 26 | 0 | 0.04 |
| 4 | 55 | 24 | 39 | 26 | 0 | 0.04 |
| 5 | 55 | 24 | 39 | 26 | 0 | 0.04 |
| 6 | 55 | 24 | 39 | 26 | 0 | 0.04 |
| 7 | 55 | 24 | 40 | 25 | 0 | 0.04 |
| 8 | 55 | 24 | 40 | 25 | 0 | 0.04 |
| 9 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 10 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 11 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 12 | 56 | 25 | 41 | 24 | 0 | 0.04 |
| 13 | 56 | 25 | 41 | 24 | 0 | 0.04 |
| 14 | 57 | 25 | 41 | 24 | 0 | 0.04 |
| 15 | 57 | 25 | 41 | 24 | 0 | 0.04 |
| 16 | 57 | 25 | 41 | 24 | 0 | 0.04 |
| 17 | 57 | 26 | 42 | 23 | 0 | 0.04 |
| 18 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 19 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 20 | 58 | 26 | 42 | 23 | 0 | 0.03 |
| 21 | 58 | 26 | 42 | 23 | 0 | 0.03 |
| 22 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 23 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 24 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 25 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 26 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 27 | 60 | 27 | 44 | 21 | 0 | 0.03 |
| 28 | 60 | 27 | 44 | 21 | 0 | 0.03 |
| 29 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 30 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 31 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| MTH | 57.2 | 25.6 | 41.4 | 732 | 0 | 1.12 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 61 | 28 | 45 | 20 | 0 | 0.03 |
| 2 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 3 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 4 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 5 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 6 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 7 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| 8 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| 9 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| 10 | 64 | 29 | 47 | 18 | 0 | 0.02 |
| 11 | 64 | 29 | 47 | 18 | 0 | 0.02 |
| 12 | 65 | 29 | 47 | 18 | 0 | 0.02 |
| 13 | 65 | 29 | 47 | 18 | 0 | 0.02 |
| 14 | 65 | 30 | 48 | 17 | 0 | 0.02 |
| 15 | 65 | 30 | 48 | 17 | 0 | 0.02 |
| 16 | 66 | 30 | 48 | 17 | 0 | 0.02 |
| 17 | 66 | 30 | 48 | 17 | 0 | 0.02 |
| 18 | 66 | 31 | 49 | 16 | 0 | 0.02 |
| 19 | 67 | 31 | 49 | 16 | 0 | 0.02 |
| 20 | 67 | 31 | 49 | 16 | 0 | 0.02 |
| 21 | 67 | 31 | 49 | 16 | 0 | 0.02 |
| 22 | 67 | 31 | 49 | 16 | 0 | 0.02 |
| 23 | 68 | 32 | 50 | 15 | 0 | 0.02 |
| 24 | 68 | 32 | 50 | 15 | 0 | 0.02 |
| 25 | 68 | 32 | 50 | 15 | 0 | 0.02 |
| 26 | 68 | 32 | 50 | 15 | 0 | 0.02 |
| 27 | 69 | 33 | 51 | 14 | 0 | 0.02 |
| 28 | 69 | 33 | 51 | 14 | 0 | 0.02 |
| 29 | 69 | 33 | 51 | 14 | 0 | 0.02 |
| 30 | 69 | 34 | 52 | 13 | 0 | 0.02 |
| MTH | 65.5 | 30.4 | 48.0 | 510 | 0 | 0.66 |
| | 65.7 | 31.1 | 48.4 | 1536 | 13 | 2.45 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 70 | 34 | 52 | 13 | 0 | 0.02 |
| 2 | 71 | 34 | 52 | 13 | 0 | 0.02 |
| 3 | 71 | 34 | 52 | 13 | 0 | 0.02 |
| 4 | 71 | 35 | 53 | 12 | 0 | 0.02 |
| 5 | 71 | 35 | 53 | 12 | 0 | 0.02 |
| 6 | 71 | 35 | 53 | 12 | 0 | 0.02 |
| 7 | 71 | 35 | 53 | 12 | 0 | 0.02 |
| 8 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 9 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 10 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 11 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 12 | 73 | 36 | 55 | 10 | 0 | 0.03 |
| 13 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 14 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 15 | 74 | 37 | 56 | 9 | 0 | 0.02 |
| 16 | 74 | 37 | 56 | 9 | 0 | 0.02 |
| 17 | 75 | 37 | 56 | 9 | 0 | 0.02 |
| 18 | 75 | 37 | 56 | 9 | 0 | 0.02 |
| 19 | 75 | 38 | 57 | 9 | 1 | 0.02 |
| 20 | 76 | 38 | 57 | 9 | 1 | 0.02 |
| 21 | 76 | 39 | 58 | 8 | 1 | 0.02 |
| 22 | 76 | 39 | 58 | 8 | 1 | 0.02 |
| 23 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 24 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 25 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 26 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 27 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 28 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 29 | 79 | 40 | 60 | 6 | 1 | 0.02 |
| 30 | 80 | 40 | 60 | 6 | 1 | 0.02 |
| 31 | 80 | 40 | 60 | 6 | 1 | 0.02 |
| MTH | 74.5 | 37.3 | 55.9 | 294 | 13 | 0.67 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KODACHROME BASIN PARK UTAH Station Number: 424755

Latitude: 37° 31* 14( Longitude: -111° 59* 14( Elevation (feet): 5810

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 81 | 41 | 61 | 5 | 1 | 0.02 |
| 2 | 81 | 41 | 61 | 5 | 1 | 0.02 |
| 3 | 81 | 42 | 61 | 5 | 1 | 0.01 |
| 4 | 81 | 42 | 61 | 5 | 1 | 0.01 |
| 5 | 83 | 42 | 62 | 5 | 2 | 0.01 |
| 6 | 83 | 42 | 62 | 5 | 2 | 0.01 |
| 7 | 83 | 42 | 63 | 4 | 2 | 0.01 |
| 8 | 83 | 42 | 63 | 4 | 2 | 0.01 |
| 9 | 84 | 42 | 63 | 4 | 2 | 0.01 |
| 10 | 84 | 42 | 63 | 4 | 2 | 0.01 |
| 11 | 84 | 43 | 64 | 3 | 2 | 0.01 |
| 12 | 85 | 43 | 64 | 3 | 2 | 0.01 |
| 13 | 85 | 43 | 64 | 3 | 2 | 0.01 |
| 14 | 85 | 43 | 64 | 3 | 2 | 0.01 |
| 15 | 86 | 44 | 65 | 3 | 3 | 0.01 |
| 16 | 86 | 44 | 65 | 3 | 3 | 0.01 |
| 17 | 86 | 44 | 65 | 3 | 3 | 0.01 |
| 18 | 87 | 45 | 66 | 2 | 3 | 0.01 |
| 19 | 87 | 45 | 66 | 2 | 3 | 0.01 |
| 20 | 87 | 45 | 66 | 2 | 3 | 0.01 |
| 21 | 87 | 45 | 66 | 2 | 3 | 0.01 |
| 22 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 23 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 24 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 25 | 88 | 47 | 68 | 1 | 4 | 0.01 |
| 26 | 89 | 47 | 68 | 1 | 4 | 0.02 |
| 27 | 89 | 47 | 68 | 1 | 4 | 0.02 |
| 28 | 89 | 48 | 69 | 1 | 5 | 0.02 |
| 29 | 89 | 48 | 69 | 1 | 5 | 0.02 |
| 30 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| MTH | 85.6 | 44.2 | 64.9 | 87 | 84 | 0.37 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 49 | 69 | 1 | 5 | 0.02 |
| 2 | 90 | 49 | 69 | 1 | 5 | 0.02 |
| 3 | 90 | 49 | 69 | 1 | 5 | 0.02 |
| 4 | 90 | 50 | 70 | 1 | 6 | 0.02 |
| 5 | 90 | 51 | 70 | 1 | 6 | 0.02 |
| 6 | 90 | 51 | 71 | 1 | 7 | 0.02 |
| 7 | 91 | 51 | 71 | 0 | 6 | 0.02 |
| 8 | 91 | 51 | 71 | 0 | 6 | 0.03 |
| 9 | 91 | 51 | 71 | 0 | 6 | 0.03 |
| 10 | 91 | 51 | 71 | 0 | 6 | 0.03 |
| 11 | 91 | 51 | 71 | 0 | 6 | 0.03 |
| 12 | 91 | 51 | 71 | 0 | 6 | 0.03 |
| 13 | 91 | 52 | 72 | 0 | 7 | 0.03 |
| 14 | 91 | 52 | 72 | 0 | 7 | 0.03 |
| 15 | 91 | 52 | 72 | 0 | 7 | 0.03 |
| 16 | 91 | 52 | 72 | 0 | 7 | 0.03 |
| 17 | 91 | 53 | 72 | 0 | 7 | 0.03 |
| 18 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 19 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 20 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 21 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 22 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 23 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 24 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 25 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 26 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 27 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 28 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 29 | 91 | 53 | 72 | 0 | 7 | 0.04 |
| 30 | 91 | 53 | 72 | 0 | 7 | 0.05 |
| 31 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| MTH | 90.8 | 51.9 | 71.4 | 6 | 203 | 1.02 |
| SUMMER SEASON: | 88.1 | 49.1 | 68.6 | 106 | 444 | 2.96 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| 2 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| 3 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| 4 | 90 | 53 | 71 | 0 | 6 | 0.05 |
| 5 | 90 | 53 | 71 | 0 | 6 | 0.05 |
| 6 | 90 | 53 | 71 | 0 | 6 | 0.05 |
| 7 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 8 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 9 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 10 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 11 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 12 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 13 | 89 | 53 | 71 | 0 | 6 | 0.05 |
| 14 | 88 | 53 | 70 | 0 | 5 | 0.05 |
| 15 | 88 | 52 | 70 | 0 | 5 | 0.06 |
| 16 | 88 | 52 | 70 | 0 | 5 | 0.06 |
| 17 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 18 | 88 | 51 | 70 | 0 | 5 | 0.05 |
| 19 | 87 | 51 | 69 | 1 | 5 | 0.05 |
| 20 | 87 | 51 | 69 | 1 | 5 | 0.05 |
| 21 | 87 | 51 | 69 | 1 | 5 | 0.05 |
| 22 | 87 | 50 | 68 | 1 | 4 | 0.05 |
| 23 | 87 | 49 | 68 | 1 | 4 | 0.05 |
| 24 | 87 | 49 | 68 | 1 | 4 | 0.05 |
| 25 | 87 | 49 | 68 | 1 | 4 | 0.05 |
| 26 | 86 | 49 | 68 | 1 | 4 | 0.05 |
| 27 | 86 | 49 | 68 | 1 | 4 | 0.05 |
| 28 | 86 | 48 | 67 | 1 | 3 | 0.05 |
| 29 | 86 | 48 | 67 | 1 | 3 | 0.05 |
| 30 | 86 | 48 | 67 | 1 | 3 | 0.05 |
| 31 | 85 | 48 | 67 | 1 | 3 | 0.05 |
| MTH | 88.0 | 51.3 | 69.7 | 13 | 157 | 1.57 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 85 | 48 | 66 | 2 | 3 | 0.04 |
| 2 | 85 | 48 | 66 | 2 | 3 | 0.04 |
| 3 | 85 | 48 | 66 | 2 | 3 | 0.04 |
| 4 | 84 | 47 | 65 | 2 | 2 | 0.04 |
| 5 | 84 | 47 | 65 | 2 | 2 | 0.04 |
| 6 | 84 | 47 | 65 | 2 | 2 | 0.04 |
| 7 | 84 | 47 | 65 | 2 | 2 | 0.04 |
| 8 | 84 | 45 | 64 | 3 | 2 | 0.04 |
| 9 | 84 | 44 | 64 | 3 | 2 | 0.04 |
| 10 | 83 | 44 | 64 | 3 | 2 | 0.04 |
| 11 | 83 | 43 | 63 | 3 | 1 | 0.04 |
| 12 | 83 | 43 | 63 | 3 | 1 | 0.04 |
| 13 | 83 | 43 | 63 | 3 | 1 | 0.04 |
| 14 | 82 | 43 | 63 | 3 | 1 | 0.04 |
| 15 | 82 | 42 | 62 | 4 | 1 | 0.04 |
| 16 | 82 | 42 | 62 | 4 | 1 | 0.04 |
| 17 | 81 | 42 | 62 | 4 | 1 | 0.04 |
| 18 | 81 | 41 | 61 | 5 | 1 | 0.04 |
| 19 | 81 | 41 | 61 | 5 | 1 | 0.04 |
| 20 | 80 | 41 | 61 | 5 | 1 | 0.04 |
| 21 | 80 | 41 | 61 | 5 | 1 | 0.04 |
| 22 | 80 | 40 | 60 | 5 | 0 | 0.04 |
| 23 | 79 | 40 | 60 | 5 | 0 | 0.04 |
| 24 | 79 | 39 | 59 | 6 | 0 | 0.04 |
| 25 | 79 | 39 | 59 | 6 | 0 | 0.04 |
| 26 | 78 | 39 | 59 | 6 | 0 | 0.04 |
| 27 | 78 | 38 | 58 | 7 | 0 | 0.04 |
| 28 | 77 | 38 | 58 | 7 | 0 | 0.04 |
| 29 | 77 | 37 | 57 | 8 | 0 | 0.04 |
| 30 | 77 | 37 | 57 | 8 | 0 | 0.04 |
| MTH | 81.5 | 42.5 | 62.0 | 125 | 34 | 1.20 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 37 | 57 | 9 | 1 | 0.04 |
| 2 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 3 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 4 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 5 | 75 | 36 | 55 | 10 | 0 | 0.04 |
| 6 | 74 | 36 | 55 | 10 | 0 | 0.04 |
| 7 | 73 | 36 | 54 | 11 | 0 | 0.04 |
| 8 | 73 | 35 | 54 | 11 | 0 | 0.05 |
| 9 | 73 | 35 | 54 | 11 | 0 | 0.05 |
| 10 | 72 | 34 | 53 | 12 | 0 | 0.05 |
| 11 | 72 | 34 | 53 | 12 | 0 | 0.05 |
| 12 | 72 | 34 | 53 | 12 | 0 | 0.05 |
| 13 | 71 | 33 | 52 | 13 | 0 | 0.05 |
| 14 | 71 | 33 | 52 | 13 | 0 | 0.05 |
| 15 | 70 | 32 | 51 | 14 | 0 | 0.05 |
| 16 | 70 | 32 | 51 | 14 | 0 | 0.05 |
| 17 | 69 | 32 | 51 | 14 | 0 | 0.05 |
| 18 | 69 | 31 | 50 | 15 | 0 | 0.04 |
| 19 | 68 | 31 | 50 | 15 | 0 | 0.04 |
| 20 | 67 | 31 | 49 | 16 | 0 | 0.04 |
| 21 | 67 | 31 | 49 | 16 | 0 | 0.04 |
| 22 | 67 | 30 | 49 | 16 | 0 | 0.04 |
| 23 | 66 | 30 | 48 | 17 | 0 | 0.04 |
| 24 | 66 | 30 | 48 | 17 | 0 | 0.04 |
| 25 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 26 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 27 | 64 | 28 | 46 | 19 | 0 | 0.04 |
| 28 | 64 | 28 | 46 | 19 | 0 | 0.04 |
| 29 | 63 | 28 | 46 | 19 | 0 | 0.04 |
| 30 | 63 | 27 | 45 | 20 | 0 | 0.04 |
| 31 | 62 | 27 | 45 | 20 | 0 | 0.04 |
| MTH | 69.5 | 32.3 | 50.9 | 438 | 1 | 1.34 |
| AUTUMN SEASON: | 68.7 | 32.5 | 50.6 | 1343 | 35 | 3.26 |
| *ANNUAL:* | 67.5 | 32.5 | 50.0 | 5926 | 492 | 11.45 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 62 | 27 | 44 | 21 | 0 | 0.03 |
| 2 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 3 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 4 | 60 | 27 | 43 | 22 | 0 | 0.03 |
| 5 | 60 | 27 | 43 | 22 | 0 | 0.03 |
| 6 | 59 | 26 | 42 | 23 | 0 | 0.03 |
| 7 | 59 | 26 | 42 | 23 | 0 | 0.03 |
| 8 | 58 | 25 | 42 | 23 | 0 | 0.03 |
| 9 | 58 | 24 | 41 | 24 | 0 | 0.03 |
| 10 | 57 | 24 | 41 | 24 | 0 | 0.03 |
| 11 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 12 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 13 | 56 | 23 | 40 | 25 | 0 | 0.02 |
| 14 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 15 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 16 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 17 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 18 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 19 | 53 | 22 | 38 | 27 | 0 | 0.02 |
| 20 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 21 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 22 | 52 | 21 | 37 | 28 | 0 | 0.02 |
| 23 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 24 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 25 | 51 | 20 | 36 | 29 | 0 | 0.02 |
| 26 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 27 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 28 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 29 | 50 | 19 | 35 | 30 | 0 | 0.02 |
| 30 | 50 | 18 | 34 | 31 | 0 | 0.02 |
| MTH | 55.2 | 22.8 | 39.0 | 780 | 0 | 0.72 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KODACHROME BASIN PARK UTAH Station Number: 424755

Latitude: 37° 31* 14( Longitude: -111° 59* 14( Elevation (feet): 5810

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.23 | 0.01 | 0.00 | 0.00 | 0.00 | 5.33 |
| 0.010 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.29 | 0.03 | 0.00 | 0.01 | 0.00 | 5.77 |
| 0.050 | 0.05 | 0.05 | 0.03 | 0.06 | 0.05 | 0.00 | 0.06 | 0.50 | 0.10 | 0.00 | 0.03 | 0.03 | 7.11 |
| 0.100 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 | 0.11 | 0.65 | 0.18 | 0.00 | 0.07 | 0.09 | 7.91 |
| 0.200 | 0.22 | 0.23 | 0.25 | 0.19 | 0.18 | 0.05 | 0.24 | 0.87 | 0.33 | 0.27 | 0.15 | 0.18 | 8.95 |
| 0.300 | 0.36 | 0.38 | 0.41 | 0.28 | 0.28 | 0.10 | 0.37 | 1.05 | 0.50 | 0.50 | 0.24 | 0.27 | 9.76 |
| 0.400 | 0.52 | 0.55 | 0.59 | 0.38 | 0.38 | 0.17 | 0.53 | 1.24 | 0.68 | 0.73 | 0.35 | 0.37 | 10.49 |
| 0.500 | 0.71 | 0.76 | 0.80 | 0.50 | 0.49 | 0.24 | 0.72 | 1.42 | 0.89 | 0.99 | 0.48 | 0.49 | 11.20 |
| 0.600 | 0.94 | 1.01 | 1.05 | 0.63 | 0.64 | 0.33 | 0.94 | 1.63 | 1.14 | 1.30 | 0.65 | 0.62 | 11.95 |
| 0.700 | 1.24 | 1.34 | 1.37 | 0.81 | 0.81 | 0.45 | 1.23 | 1.87 | 1.46 | 1.68 | 0.86 | 0.78 | 12.78 |
| 0.800 | 1.66 | 1.81 | 1.81 | 1.05 | 1.06 | 0.62 | 1.63 | 2.18 | 1.89 | 2.19 | 1.16 | 1.00 | 13.80 |
| 0.900 | 2.39 | 2.62 | 2.57 | 1.45 | 1.47 | 0.91 | 2.32 | 2.67 | 2.62 | 3.06 | 1.68 | 1.37 | 15.30 |
| 0.950 | 3.13 | 3.44 | 3.31 | 1.84 | 1.88 | 1.20 | 3.01 | 3.12 | 3.34 | 3.90 | 2.20 | 1.72 | 16.62 |
| 0.990 | 4.83 | 5.33 | 5.04 | 2.74 | 2.81 | 1.87 | 4.59 | 4.08 | 4.99 | 5.82 | 3.41 | 2.53 | 19.29 |
| 0.995 | 5.56 | 6.15 | 5.77 | 3.12 | 3.20 | 2.16 | 5.28 | 4.48 | 5.69 | 6.64 | 3.93 | 2.88 | 20.33 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KOOSHAREM UTAH Station Number: 424764

Latitude: 38° 30* 41 ( Longitude: -111° 53* 03 ( Elevation (feet): 6930

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 15 | 29 | 36 | 0 | 0.01 |
| 2 | 42 | 15 | 28 | 37 | 0 | 0.01 |
| 3 | 42 | 15 | 28 | 37 | 0 | 0.01 |
| 4 | 42 | 14 | 28 | 37 | 0 | 0.01 |
| 5 | 42 | 14 | 28 | 37 | 0 | 0.01 |
| 6 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 7 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 8 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 9 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 10 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 11 | 40 | 12 | 26 | 39 | 0 | 0.01 |
| 12 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 13 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 14 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 15 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 16 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 17 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 18 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 19 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 20 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 21 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 22 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 23 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 24 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 25 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 26 | 38 | 11 | 25 | 40 | 0 | 0.02 |
| 27 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 28 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 29 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 30 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 31 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| MTH | 39.8 | 12.0 | 25.9 | 1212 | 0 | 0.51 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 2 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 3 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 4 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 5 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 6 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 7 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 8 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 9 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 10 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 11 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 12 | 38 | 10 | 24 | 41 | 0 | 0.02 |
| 13 | 38 | 11 | 24 | 41 | 0 | 0.02 |
| 14 | 38 | 11 | 24 | 41 | 0 | 0.02 |
| 15 | 38 | 11 | 25 | 40 | 0 | 0.02 |
| 16 | 38 | 11 | 25 | 40 | 0 | 0.02 |
| 17 | 38 | 11 | 25 | 40 | 0 | 0.02 |
| 18 | 38 | 11 | 25 | 40 | 0 | 0.03 |
| 19 | 38 | 11 | 25 | 40 | 0 | 0.03 |
| 20 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 21 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 22 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 23 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 24 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 25 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 26 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 27 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 28 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 29 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 30 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 31 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| MTH | 38.5 | 10.8 | 24.7 | 1249 | 0 | 0.64 |
| | 40.2 | 12.5 | 26.4 | 3477 | 0 | 1.72 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 13 | 26 | 39 | 0 | 0.02 |
| 2 | 40 | 13 | 26 | 39 | 0 | 0.02 |
| 3 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 4 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 5 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 6 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 7 | 41 | 14 | 27 | 38 | 0 | 0.02 |
| 8 | 41 | 14 | 27 | 38 | 0 | 0.02 |
| 9 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 10 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 11 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 12 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 13 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 14 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 15 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 16 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 17 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 18 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 19 | 43 | 16 | 30 | 35 | 0 | 0.02 |
| 20 | 43 | 16 | 30 | 35 | 0 | 0.02 |
| 21 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 22 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 23 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 24 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 25 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 26 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 27 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 28 | 45 | 18 | 32 | 33 | 0 | 0.03 |
| MTH | 42.4 | 14.9 | 28.7 | 1016 | 0 | 0.57 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 2 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 3 | 46 | 19 | 33 | 32 | 0 | 0.02 |
| 4 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 5 | 47 | 20 | 33 | 32 | 0 | 0.02 |
| 6 | 47 | 20 | 33 | 32 | 0 | 0.02 |
| 7 | 47 | 20 | 33 | 32 | 0 | 0.03 |
| 8 | 47 | 20 | 34 | 31 | 0 | 0.03 |
| 9 | 47 | 21 | 34 | 31 | 0 | 0.03 |
| 10 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 11 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 12 | 48 | 21 | 35 | 30 | 0 | 0.03 |
| 13 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 14 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 15 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 16 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 17 | 49 | 22 | 36 | 29 | 0 | 0.03 |
| 18 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 19 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 20 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 21 | 50 | 23 | 37 | 28 | 0 | 0.03 |
| 22 | 50 | 23 | 37 | 28 | 0 | 0.03 |
| 23 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 24 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 25 | 51 | 24 | 38 | 27 | 0 | 0.02 |
| 26 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 27 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 28 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 29 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 30 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 31 | 53 | 24 | 39 | 26 | 0 | 0.02 |
| MTH | 49.0 | 21.9 | 35.5 | 916 | 0 | 0.78 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 2 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 3 | 54 | 25 | 39 | 26 | 0 | 0.02 |
| 4 | 54 | 25 | 39 | 26 | 0 | 0.02 |
| 5 | 54 | 25 | 40 | 25 | 0 | 0.02 |
| 6 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 7 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 8 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 9 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 10 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| 11 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| 12 | 56 | 26 | 41 | 24 | 0 | 0.02 |
| 13 | 56 | 26 | 41 | 24 | 0 | 0.02 |
| 14 | 57 | 26 | 42 | 23 | 0 | 0.02 |
| 15 | 57 | 26 | 42 | 23 | 0 | 0.02 |
| 16 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 17 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 18 | 58 | 26 | 42 | 23 | 0 | 0.02 |
| 19 | 58 | 27 | 43 | 22 | 0 | 0.02 |
| 20 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 21 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 22 | 59 | 27 | 43 | 22 | 0 | 0.02 |
| 23 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 24 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 25 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 26 | 61 | 28 | 45 | 20 | 0 | 0.02 |
| 27 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 28 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 29 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 30 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| MTH | 57.4 | 26.5 | 42.0 | 690 | 0 | 0.60 |
| | 57.8 | 27.3 | 42.6 | 2059 | 0 | 2.26 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 30 | 46 | 19 | 0 | 0.02 |
| 2 | 63 | 30 | 46 | 19 | 0 | 0.02 |
| 3 | 63 | 30 | 47 | 18 | 0 | 0.03 |
| 4 | 64 | 31 | 47 | 18 | 0 | 0.03 |
| 5 | 64 | 31 | 47 | 18 | 0 | 0.03 |
| 6 | 64 | 31 | 47 | 18 | 0 | 0.03 |
| 7 | 64 | 31 | 48 | 17 | 0 | 0.03 |
| 8 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| 9 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| 10 | 65 | 32 | 49 | 16 | 0 | 0.03 |
| 11 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 12 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 13 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 14 | 66 | 33 | 50 | 15 | 0 | 0.03 |
| 15 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 16 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 17 | 67 | 34 | 51 | 14 | 0 | 0.03 |
| 18 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 19 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 20 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 21 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 22 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 23 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 24 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 25 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 26 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 27 | 71 | 36 | 54 | 11 | 0 | 0.03 |
| 28 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 29 | 72 | 36 | 54 | 11 | 0 | 0.02 |
| 30 | 72 | 37 | 55 | 10 | 0 | 0.02 |
| 31 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| MTH | 67.2 | 33.6 | 50.4 | 453 | 0 | 0.88 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KOOSHAREM UTAH Station Number: 424764

Latitude: 38 B 30 * 41 ( Longitude: -111 B 53* 03 ( Elevation (feet): 6930

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 37 | 55 | 10 | 0 | 0.02 |
| 2 | 74 | 37 | 55 | 10 | 0 | 0.02 |
| 3 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 4 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 5 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 6 | 75 | 38 | 57 | 8 | 0 | 0.02 |
| 7 | 75 | 39 | 57 | 8 | 0 | 0.02 |
| 8 | 75 | 39 | 57 | 8 | 0 | 0.02 |
| 9 | 76 | 39 | 58 | 8 | 1 | 0.02 |
| 10 | 76 | 39 | 58 | 8 | 1 | 0.02 |
| 11 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 12 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 13 | 77 | 40 | 59 | 7 | 1 | 0.02 |
| 14 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 15 | 78 | 40 | 59 | 7 | 1 | 0.01 |
| 16 | 78 | 41 | 60 | 6 | 1 | 0.02 |
| 17 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 18 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 19 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 20 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 21 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 22 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 23 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 24 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 25 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 26 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 27 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 28 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 29 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 30 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| MTH | 78.0 | 40.6 | 59.3 | 196 | 26 | 0.59 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 46 | 64 | 3 | 2 | 0.02 |
| 2 | 83 | 46 | 64 | 3 | 2 | 0.03 |
| 3 | 85 | 46 | 65 | 3 | 3 | 0.03 |
| 4 | 84 | 46 | 65 | 3 | 3 | 0.03 |
| 5 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 6 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 7 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 8 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 9 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 10 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 11 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 12 | 84 | 46 | 65 | 2 | 2 | 0.03 |
| 13 | 84 | 47 | 66 | 2 | 3 | 0.03 |
| 14 | 84 | 47 | 66 | 2 | 3 | 0.03 |
| 15 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 16 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 17 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 18 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 19 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 20 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 21 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 22 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 23 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 24 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 25 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 26 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 27 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 28 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 29 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 30 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 31 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| MTH | 84.0 | 47.2 | 65.6 | 54 | 71 | 1.08 |
| SUMMER SEASON: | 81.1 | 44.5 | 62.8 | 321 | 126 | 3.02 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 2 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 3 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 4 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 5 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 6 | 83 | 48 | 65 | 1 | 1 | 0.05 |
| 7 | 83 | 48 | 65 | 1 | 1 | 0.05 |
| 8 | 83 | 48 | 65 | 1 | 1 | 0.05 |
| 9 | 83 | 48 | 65 | 1 | 1 | 0.05 |
| 10 | 83 | 48 | 65 | 1 | 1 | 0.05 |
| 11 | 82 | 48 | 65 | 1 | 1 | 0.05 |
| 12 | 82 | 46 | 64 | 2 | 1 | 0.05 |
| 13 | 82 | 46 | 64 | 2 | 1 | 0.05 |
| 14 | 82 | 46 | 64 | 2 | 1 | 0.05 |
| 15 | 82 | 46 | 64 | 2 | 1 | 0.05 |
| 16 | 82 | 46 | 64 | 2 | 1 | 0.05 |
| 17 | 81 | 46 | 64 | 2 | 1 | 0.04 |
| 18 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 19 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 20 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 21 | 81 | 45 | 63 | 3 | 1 | 0.04 |
| 22 | 80 | 45 | 63 | 3 | 1 | 0.04 |
| 23 | 80 | 45 | 63 | 3 | 1 | 0.04 |
| 24 | 80 | 45 | 63 | 3 | 1 | 0.04 |
| 25 | 80 | 44 | 62 | 3 | 0 | 0.04 |
| 26 | 79 | 44 | 62 | 3 | 0 | 0.04 |
| 27 | 79 | 43 | 61 | 4 | 0 | 0.04 |
| 28 | 79 | 43 | 61 | 4 | 0 | 0.04 |
| 29 | 79 | 43 | 61 | 4 | 0 | 0.04 |
| 30 | 79 | 43 | 61 | 4 | 0 | 0.04 |
| 31 | 78 | 43 | 60 | 5 | 0 | 0.04 |
| MTH | 81.4 | 45.9 | 63.7 | 71 | 29 | 1.35 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 43 | 60 | 5 | 0 | 0.04 |
| 2 | 78 | 43 | 60 | 5 | 0 | 0.04 |
| 3 | 78 | 43 | 60 | 5 | 0 | 0.04 |
| 4 | 77 | 42 | 60 | 5 | * | 0.04 |
| 5 | 77 | 41 | 59 | 6 | * | 0.04 |
| 6 | 77 | 41 | 59 | 6 | * | 0.04 |
| 7 | 77 | 41 | 59 | 6 | * | 0.03 |
| 8 | 76 | 41 | 59 | 7 | * | 0.03 |
| 9 | 76 | 40 | 58 | 7 | * | 0.03 |
| 10 | 76 | 40 | 58 | 7 | * | 0.03 |
| 11 | 76 | 40 | 58 | 7 | * | 0.03 |
| 12 | 75 | 40 | 58 | 8 | * | 0.03 |
| 13 | 75 | 39 | 57 | 8 | * | 0.03 |
| 14 | 75 | 39 | 57 | 8 | * | 0.03 |
| 15 | 74 | 38 | 56 | 9 | * | 0.03 |
| 16 | 74 | 38 | 56 | 9 | * | 0.03 |
| 17 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 18 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 19 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 20 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 21 | 72 | 37 | 55 | 10 | 0 | 0.03 |
| 22 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 23 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 24 | 71 | 36 | 54 | 11 | 0 | 0.03 |
| 25 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 26 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 27 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 28 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 29 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 30 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| MTH | 74.0 | 38.3 | 56.2 | 267 | 2 | 0.96 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 2 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 3 | 68 | 33 | 50 | 15 | 0 | 0.03 |
| 4 | 68 | 33 | 50 | 15 | 0 | 0.03 |
| 5 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 6 | 67 | 32 | 49 | 16 | 0 | 0.03 |
| 7 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 8 | 66 | 31 | 48 | 17 | 0 | 0.03 |
| 9 | 66 | 30 | 48 | 17 | 0 | 0.04 |
| 10 | 65 | 30 | 48 | 17 | 0 | 0.04 |
| 11 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 12 | 64 | 29 | 47 | 18 | 0 | 0.04 |
| 13 | 64 | 29 | 47 | 18 | 0 | 0.03 |
| 14 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 15 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 16 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 17 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 18 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 19 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 20 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 21 | 60 | 26 | 43 | 22 | 0 | 0.03 |
| 22 | 60 | 26 | 43 | 22 | 0 | 0.03 |
| 23 | 59 | 26 | 43 | 22 | 0 | 0.03 |
| 24 | 59 | 25 | 42 | 23 | 0 | 0.03 |
| 25 | 58 | 25 | 42 | 23 | 0 | 0.03 |
| 26 | 57 | 25 | 41 | 24 | 0 | 0.03 |
| 27 | 57 | 25 | 41 | 24 | 0 | 0.03 |
| 28 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 29 | 56 | 24 | 40 | 25 | 0 | 0.03 |
| 30 | 55 | 24 | 40 | 25 | 0 | 0.03 |
| 31 | 55 | 23 | 39 | 26 | 0 | 0.03 |
| MTH | 62.3 | 28.3 | 45.3 | 611 | 0 | 0.97 |
| AUTUMN SEASON: | 61.3 | 28.6 | 45.0 | 1823 | 2 | 2.49 |
| *ANNUAL:* | 60.1 | 28.2 | 44.2 | 7680 | 128 | 9.49 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 54 | 23 | 39 | 26 | 0 | 0.02 |
| 2 | 53 | 23 | 38 | 27 | 0 | 0.02 |
| 3 | 53 | 23 | 38 | 27 | 0 | 0.02 |
| 4 | 53 | 23 | 38 | 27 | 0 | 0.02 |
| 5 | 52 | 23 | 37 | 28 | 0 | 0.02 |
| 6 | 52 | 23 | 37 | 28 | 0 | 0.02 |
| 7 | 51 | 22 | 36 | 29 | 0 | 0.02 |
| 8 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 9 | 50 | 21 | 36 | 29 | 0 | 0.02 |
| 10 | 50 | 20 | 35 | 30 | 0 | 0.02 |
| 11 | 49 | 20 | 35 | 30 | 0 | 0.02 |
| 12 | 49 | 20 | 35 | 30 | 0 | 0.02 |
| 13 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 14 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 15 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 16 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 17 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 18 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 19 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 20 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 21 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 22 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 23 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 24 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 25 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 26 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 27 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 28 | 43 | 15 | 29 | 36 | 0 | 0.01 |
| 29 | 43 | 15 | 29 | 36 | 0 | 0.01 |
| 30 | 43 | 15 | 29 | 36 | 0 | 0.01 |
| MTH | 47.7 | 19.2 | 33.5 | 945 | 0 | 0.56 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: KOOSHAREM UTAH Station Number: 424764

Latitude: 38° 30* 41( Longitude: -111° 53* 03( Elevation (feet): 6930

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.01 | 0.00 | 0.03 | 0.01 | 0.00 | 0.05 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 4.40 |
| 0.010 | 0.02 | 0.02 | 0.00 | 0.04 | 0.02 | 0.00 | 0.08 | 0.04 | 0.02 | 0.03 | 0.02 | 0.00 | 4.76 |
| 0.050 | 0.06 | 0.05 | 0.08 | 0.10 | 0.07 | 0.00 | 0.19 | 0.14 | 0.07 | 0.09 | 0.06 | 0.03 | 5.87 |
| 0.100 | 0.11 | 0.10 | 0.17 | 0.15 | 0.13 | 0.02 | 0.28 | 0.24 | 0.13 | 0.16 | 0.10 | 0.09 | 6.54 |
| 0.200 | 0.20 | 0.17 | 0.29 | 0.24 | 0.24 | 0.10 | 0.44 | 0.43 | 0.26 | 0.30 | 0.18 | 0.17 | 7.40 |
| 0.300 | 0.29 | 0.25 | 0.41 | 0.32 | 0.36 | 0.19 | 0.58 | 0.61 | 0.39 | 0.43 | 0.26 | 0.24 | 8.07 |
| 0.400 | 0.38 | 0.34 | 0.52 | 0.40 | 0.50 | 0.28 | 0.73 | 0.82 | 0.54 | 0.58 | 0.34 | 0.32 | 8.68 |
| 0.500 | 0.49 | 0.44 | 0.65 | 0.50 | 0.65 | 0.40 | 0.90 | 1.04 | 0.71 | 0.74 | 0.43 | 0.41 | 9.27 |
| 0.600 | 0.62 | 0.55 | 0.79 | 0.60 | 0.83 | 0.54 | 1.09 | 1.31 | 0.91 | 0.94 | 0.55 | 0.50 | 9.89 |
| 0.700 | 0.78 | 0.70 | 0.96 | 0.73 | 1.06 | 0.72 | 1.31 | 1.65 | 1.16 | 1.18 | 0.68 | 0.63 | 10.58 |
| 0.800 | 1.00 | 0.90 | 1.19 | 0.90 | 1.38 | 0.97 | 1.62 | 2.10 | 1.52 | 1.52 | 0.87 | 0.79 | 11.43 |
| 0.900 | 1.37 | 1.23 | 1.56 | 1.18 | 1.92 | 1.40 | 2.11 | 2.86 | 2.11 | 2.08 | 1.19 | 1.06 | 12.68 |
| 0.950 | 1.73 | 1.55 | 1.92 | 1.45 | 2.45 | 1.83 | 2.57 | 3.60 | 2.70 | 2.62 | 1.49 | 1.32 | 13.78 |
| 0.990 | 2.55 | 2.29 | 2.70 | 2.04 | 3.66 | 2.82 | 3.61 | 5.27 | 4.05 | 3.86 | 2.18 | 1.91 | 16.00 |
| 0.995 | 2.90 | 2.61 | 3.03 | 2.29 | 4.18 | 3.24 | 4.05 | 5.98 | 4.63 | 4.39 | 2.48 | 2.15 | 16.87 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LEVAN UTAH Station Number: 425065

Latitude: 39° 33* 15( Longitude: -111° 52* 01( Elevation (feet): 5290

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 20 | 32 | 33 | 0 | 0.04 |
| 2 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 3 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 4 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 5 | 43 | 18 | 31 | 34 | 0 | 0.03 |
| 6 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 7 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 8 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 9 | 42 | 17 | 30 | 35 | 0 | 0.03 |
| 10 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 11 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 12 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 13 | 41 | 16 | 29 | 36 | 0 | 0.03 |
| 14 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 15 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 16 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 17 | 40 | 16 | 28 | 37 | 0 | 0.04 |
| 18 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 19 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 20 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 21 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 22 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 23 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 24 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 25 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 26 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 27 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 28 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 29 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 30 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 31 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| MTH | 40.3 | 16.2 | 28.3 | 1138 | 0 | 1.12 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 2 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 3 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 4 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 5 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 6 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 7 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 8 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 9 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 10 | 38 | 14 | 26 | 39 | 0 | 0.04 |
| 11 | 38 | 15 | 26 | 39 | 0 | 0.04 |
| 12 | 38 | 15 | 26 | 39 | 0 | 0.04 |
| 13 | 38 | 15 | 26 | 39 | 0 | 0.04 |
| 14 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 15 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 16 | 38 | 15 | 27 | 38 | 0 | 0.04 |
| 17 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 18 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 19 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 20 | 39 | 15 | 27 | 38 | 0 | 0.04 |
| 21 | 39 | 15 | 27 | 38 | 0 | 0.05 |
| 22 | 39 | 15 | 27 | 38 | 0 | 0.05 |
| 23 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 24 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 25 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 26 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 27 | 40 | 16 | 28 | 37 | 0 | 0.05 |
| 28 | 41 | 16 | 29 | 36 | 0 | 0.05 |
| 29 | 41 | 17 | 29 | 36 | 0 | 0.05 |
| 30 | 41 | 17 | 29 | 36 | 0 | 0.05 |
| 31 | 41 | 17 | 29 | 36 | 0 | 0.05 |
| MTH | 38.9 | 15.1 | 27.0 | 1178 | 0 | 1.35 |
| | 41.5 | 17.0 | 29.3 | 3220 | 0 | 3.84 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 17 | 29 | 36 | 0 | 0.04 |
| 2 | 42 | 17 | 30 | 35 | 0 | 0.04 |
| 3 | 42 | 18 | 30 | 35 | 0 | 0.04 |
| 4 | 43 | 18 | 30 | 35 | 0 | 0.05 |
| 5 | 43 | 18 | 30 | 35 | 0 | 0.05 |
| 6 | 43 | 18 | 31 | 34 | 0 | 0.05 |
| 7 | 43 | 18 | 31 | 34 | 0 | 0.05 |
| 8 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 9 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 10 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 11 | 44 | 19 | 32 | 33 | 0 | 0.05 |
| 12 | 45 | 19 | 32 | 33 | 0 | 0.05 |
| 13 | 45 | 19 | 32 | 33 | 0 | 0.05 |
| 14 | 45 | 20 | 33 | 32 | 0 | 0.05 |
| 15 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 16 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 17 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 18 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 19 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 20 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 21 | 47 | 21 | 34 | 31 | 0 | 0.05 |
| 22 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 23 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 24 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 25 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 26 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 27 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 28 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| MTH | 45.5 | 19.9 | 32.7 | 904 | 0 | 1.37 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 2 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 3 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 4 | 50 | 25 | 37 | 28 | 0 | 0.05 |
| 5 | 52 | 25 | 38 | 27 | 0 | 0.05 |
| 6 | 52 | 25 | 38 | 27 | 0 | 0.05 |
| 7 | 52 | 25 | 38 | 27 | 0 | 0.05 |
| 8 | 52 | 25 | 38 | 27 | 0 | 0.05 |
| 9 | 52 | 26 | 39 | 26 | 0 | 0.06 |
| 10 | 52 | 26 | 39 | 26 | 0 | 0.06 |
| 11 | 52 | 26 | 39 | 26 | 0 | 0.06 |
| 12 | 53 | 26 | 40 | 25 | 0 | 0.06 |
| 13 | 53 | 26 | 40 | 25 | 0 | 0.06 |
| 14 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 15 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 16 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 17 | 54 | 27 | 41 | 24 | 0 | 0.06 |
| 18 | 54 | 27 | 41 | 24 | 0 | 0.05 |
| 19 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 20 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 21 | 55 | 28 | 42 | 23 | 0 | 0.05 |
| 22 | 56 | 28 | 42 | 23 | 0 | 0.05 |
| 23 | 56 | 28 | 42 | 23 | 0 | 0.05 |
| 24 | 56 | 28 | 42 | 23 | 0 | 0.05 |
| 25 | 56 | 29 | 43 | 22 | 0 | 0.05 |
| 26 | 57 | 29 | 43 | 22 | 0 | 0.05 |
| 27 | 57 | 29 | 43 | 22 | 0 | 0.05 |
| 28 | 57 | 29 | 43 | 22 | 0 | 0.05 |
| 29 | 57 | 29 | 43 | 22 | 0 | 0.05 |
| 30 | 58 | 30 | 44 | 21 | 0 | 0.05 |
| 31 | 58 | 30 | 44 | 21 | 0 | 0.05 |
| MTH | 53.9 | 26.9 | 40.4 | 763 | 0 | 1.64 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 30 | 44 | 21 | 0 | 0.05 |
| 2 | 59 | 30 | 44 | 21 | 0 | 0.05 |
| 3 | 59 | 30 | 44 | 21 | 0 | 0.05 |
| 4 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 5 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 6 | 60 | 31 | 45 | 20 | 0 | 0.05 |
| 7 | 60 | 31 | 45 | 20 | 0 | 0.05 |
| 8 | 60 | 31 | 46 | 19 | 0 | 0.05 |
| 9 | 60 | 31 | 46 | 19 | * | 0.05 |
| 10 | 61 | 31 | 46 | 19 | * | 0.05 |
| 11 | 61 | 31 | 46 | 19 | * | 0.05 |
| 12 | 61 | 31 | 46 | 19 | * | 0.04 |
| 13 | 61 | 32 | 47 | 19 | * | 0.05 |
| 14 | 62 | 32 | 47 | 18 | * | 0.05 |
| 15 | 62 | 32 | 47 | 18 | * | 0.05 |
| 16 | 62 | 32 | 47 | 18 | * | 0.05 |
| 17 | 63 | 33 | 48 | 17 | * | 0.05 |
| 18 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 19 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 20 | 64 | 33 | 49 | 16 | 0 | 0.05 |
| 21 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 22 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 23 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 24 | 65 | 34 | 50 | 15 | 0 | 0.05 |
| 25 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 26 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 27 | 66 | 35 | 51 | 14 | 0 | 0.05 |
| 28 | 66 | 35 | 51 | 14 | 0 | 0.05 |
| 29 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 30 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| MTH | 62.3 | 32.6 | 47.5 | 527 | 1 | 1.49 |
| | 62.9 | 33.2 | 48.1 | 1571 | 19 | 4.76 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 2 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 3 | 68 | 37 | 52 | 13 | 0 | 0.05 |
| 4 | 68 | 37 | 53 | 12 | 0 | 0.06 |
| 5 | 68 | 37 | 53 | 12 | 0 | 0.06 |
| 6 | 69 | 38 | 53 | 12 | 0 | 0.06 |
| 7 | 69 | 38 | 54 | 11 | 0 | 0.06 |
| 8 | 70 | 38 | 54 | 11 | 0 | 0.06 |
| 9 | 70 | 38 | 54 | 11 | 0 | 0.06 |
| 10 | 70 | 39 | 55 | 10 | 0 | 0.06 |
| 11 | 71 | 39 | 55 | 10 | 0 | 0.06 |
| 12 | 71 | 39 | 55 | 10 | 0 | 0.06 |
| 13 | 71 | 39 | 55 | 10 | 0 | 0.06 |
| 14 | 72 | 40 | 56 | 9 | 0 | 0.06 |
| 15 | 72 | 40 | 56 | 9 | 0 | 0.06 |
| 16 | 72 | 40 | 56 | 9 | 0 | 0.05 |
| 17 | 73 | 41 | 57 | 9 | 1 | 0.05 |
| 18 | 73 | 41 | 57 | 9 | 1 | 0.05 |
| 19 | 74 | 41 | 58 | 8 | 1 | 0.05 |
| 20 | 74 | 41 | 58 | 8 | 1 | 0.05 |
| 21 | 74 | 42 | 58 | 8 | 1 | 0.05 |
| 22 | 74 | 42 | 58 | 8 | 1 | 0.05 |
| 23 | 75 | 42 | 59 | 7 | 1 | 0.05 |
| 24 | 76 | 42 | 59 | 7 | 1 | 0.05 |
| 25 | 76 | 42 | 59 | 7 | 1 | 0.05 |
| 26 | 76 | 43 | 60 | 6 | 1 | 0.05 |
| 27 | 77 | 43 | 60 | 6 | 1 | 0.05 |
| 28 | 77 | 43 | 60 | 6 | 1 | 0.04 |
| 29 | 78 | 44 | 61 | 6 | 2 | 0.04 |
| 30 | 78 | 44 | 61 | 6 | 2 | 0.04 |
| 31 | 79 | 44 | 62 | 5 | 2 | 0.04 |
| MTH | 72.6 | 40.3 | 56.5 | 281 | 18 | 1.63 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LEVAN UTAH Station Number: 425065

Latitude: 39° 33* 15( Longitude: -111° 52* 01( Elevation (feet): 5290

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 80 | 45 | 62 | 5 | 2 | 0.04 |
| 2 | 80 | 45 | 62 | 5 | 2 | 0.04 |
| 3 | 80 | 46 | 63 | 4 | 2 | 0.04 |
| 4 | 80 | 46 | 63 | 4 | 2 | 0.04 |
| 5 | 80 | 46 | 63 | 4 | 2 | 0.03 |
| 6 | 81 | 46 | 64 | 4 | 3 | 0.03 |
| 7 | 81 | 46 | 64 | 4 | 3 | 0.03 |
| 8 | 82 | 46 | 64 | 4 | 3 | 0.03 |
| 9 | 82 | 47 | 65 | 3 | 3 | 0.03 |
| 10 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 11 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 12 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 13 | 84 | 48 | 66 | 3 | 4 | 0.03 |
| 14 | 84 | 48 | 66 | 3 | 4 | 0.03 |
| 15 | 84 | 48 | 66 | 3 | 4 | 0.02 |
| 16 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 17 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 18 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 19 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 20 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 21 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 22 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 23 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 24 | 87 | 52 | 70 | 1 | 6 | 0.02 |
| 25 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 26 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 27 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 28 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 29 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 30 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| MTH | 84.4 | 48.8 | 66.6 | 76 | 124 | 0.78 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 2 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 3 | 90 | 53 | 71 | 1 | 7 | 0.02 |
| 4 | 90 | 54 | 72 | 1 | 8 | 0.02 |
| 5 | 90 | 54 | 72 | 1 | 8 | 0.02 |
| 6 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 7 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 8 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 9 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 10 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 11 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 12 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 13 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 14 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 15 | 92 | 56 | 74 | 0 | 9 | 0.03 |
| 16 | 92 | 56 | 74 | 0 | 9 | 0.03 |
| 17 | 92 | 56 | 74 | 0 | 9 | 0.03 |
| 18 | 92 | 56 | 74 | 0 | 9 | 0.03 |
| 19 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 20 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 21 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 22 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 23 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 24 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 25 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 26 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 27 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 28 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 29 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 30 | 93 | 57 | 75 | 0 | 10 | 0.02 |
| 31 | 93 | 57 | 75 | 0 | 10 | 0.02 |
| MTH | 91.9 | 55.9 | 73.9 | 5 | 281 | 0.77 |
| SUMMER SEASON: | 88.8 | 53.2 | 71.0 | 83 | 641 | 2.37 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 2 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 3 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 4 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 5 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 6 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 7 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 8 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 9 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 10 | 92 | 56 | 74 | 0 | 9 | 0.02 |
| 11 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 12 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 13 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 14 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 15 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 16 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 17 | 90 | 55 | 73 | 0 | 8 | 0.03 |
| 18 | 90 | 55 | 73 | 0 | 8 | 0.03 |
| 19 | 90 | 54 | 72 | 0 | 7 | 0.03 |
| 20 | 90 | 54 | 72 | 0 | 7 | 0.03 |
| 21 | 90 | 54 | 72 | 0 | 7 | 0.03 |
| 22 | 89 | 54 | 72 | 0 | 7 | 0.03 |
| 23 | 89 | 54 | 72 | 0 | 7 | 0.03 |
| 24 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 25 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 26 | 88 | 53 | 71 | 0 | 6 | 0.03 |
| 27 | 88 | 53 | 71 | 0 | 6 | 0.03 |
| 28 | 88 | 53 | 71 | 0 | 6 | 0.03 |
| 29 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 30 | 87 | 51 | 69 | 1 | 5 | 0.03 |
| 31 | 87 | 51 | 69 | 1 | 5 | 0.03 |
| MTH | 90.3 | 54.8 | 72.6 | 2 | 236 | 0.82 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 51 | 69 | 1 | 5 | 0.03 |
| 2 | 86 | 51 | 68 | 1 | 4 | 0.03 |
| 3 | 86 | 51 | 68 | 1 | 4 | 0.03 |
| 4 | 86 | 51 | 68 | 1 | 4 | 0.03 |
| 5 | 85 | 51 | 68 | 1 | 4 | 0.03 |
| 6 | 85 | 51 | 68 | 1 | 4 | 0.03 |
| 7 | 85 | 50 | 67 | 1 | 3 | 0.04 |
| 8 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 9 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 10 | 84 | 48 | 66 | 2 | 3 | 0.04 |
| 11 | 83 | 48 | 66 | 2 | 3 | 0.04 |
| 12 | 83 | 48 | 66 | 2 | 3 | 0.04 |
| 13 | 83 | 47 | 65 | 2 | 2 | 0.04 |
| 14 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 15 | 82 | 46 | 64 | 3 | 2 | 0.04 |
| 16 | 81 | 46 | 64 | 3 | 2 | 0.04 |
| 17 | 81 | 45 | 63 | 4 | 2 | 0.04 |
| 18 | 81 | 45 | 63 | 4 | 2 | 0.04 |
| 19 | 80 | 45 | 63 | 4 | 2 | 0.04 |
| 20 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 21 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 22 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 23 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 24 | 78 | 43 | 61 | 5 | 1 | 0.05 |
| 25 | 78 | 42 | 60 | 6 | 1 | 0.05 |
| 26 | 77 | 42 | 60 | 6 | 1 | 0.05 |
| 27 | 77 | 42 | 60 | 6 | 1 | 0.05 |
| 28 | 77 | 41 | 59 | 7 | 1 | 0.05 |
| 29 | 76 | 41 | 59 | 7 | 1 | 0.05 |
| 30 | 75 | 41 | 58 | 8 | 1 | 0.05 |
| MTH | 81.5 | 46.1 | 63.8 | 103 | 68 | 1.21 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 41 | 58 | 8 | 1 | 0.05 |
| 2 | 75 | 41 | 58 | 8 | 1 | 0.05 |
| 3 | 75 | 40 | 57 | 8 | 0 | 0.05 |
| 4 | 75 | 39 | 57 | 8 | 0 | 0.05 |
| 5 | 73 | 39 | 56 | 9 | 0 | 0.05 |
| 6 | 73 | 39 | 56 | 9 | 0 | 0.05 |
| 7 | 72 | 38 | 55 | 10 | 0 | 0.05 |
| 8 | 72 | 38 | 55 | 10 | 0 | 0.05 |
| 9 | 72 | 38 | 55 | 10 | 0 | 0.05 |
| 10 | 71 | 37 | 54 | 11 | 0 | 0.05 |
| 11 | 71 | 37 | 54 | 11 | 0 | 0.05 |
| 12 | 70 | 36 | 53 | 12 | 0 | 0.05 |
| 13 | 70 | 36 | 53 | 12 | 0 | 0.06 |
| 14 | 69 | 36 | 53 | 12 | 0 | 0.06 |
| 15 | 69 | 35 | 52 | 13 | 0 | 0.06 |
| 16 | 68 | 35 | 52 | 13 | 0 | 0.06 |
| 17 | 67 | 35 | 51 | 14 | 0 | 0.06 |
| 18 | 67 | 35 | 51 | 14 | 0 | 0.06 |
| 19 | 66 | 34 | 50 | 15 | 0 | 0.06 |
| 20 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 21 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 22 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 23 | 64 | 33 | 49 | 16 | 0 | 0.05 |
| 24 | 64 | 32 | 48 | 17 | 0 | 0.05 |
| 25 | 63 | 32 | 48 | 17 | 0 | 0.05 |
| 26 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 27 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 28 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 29 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 30 | 61 | 31 | 46 | 19 | 0 | 0.05 |
| 31 | 60 | 30 | 45 | 20 | 0 | 0.05 |
| MTH | 67.9 | 35.3 | 51.6 | 417 | 2 | 1.62 |
| AUTUMN SEASON: | 67.1 | 35.5 | 51.3 | 1315 | 70 | 4.07 |
| *ANNUAL:* | 65.1 | 34.7 | 49.9 | 6189 | 730 | 15.04 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 30 | 45 | 20 | 0 | 0.05 |
| 2 | 59 | 30 | 44 | 21 | 0 | 0.05 |
| 3 | 59 | 30 | 44 | 21 | 0 | 0.05 |
| 4 | 57 | 30 | 43 | 22 | 0 | 0.05 |
| 5 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 6 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 7 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| 8 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| 9 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 10 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 11 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 12 | 53 | 26 | 40 | 25 | 0 | 0.04 |
| 13 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 14 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 15 | 52 | 25 | 39 | 26 | 0 | 0.04 |
| 16 | 51 | 25 | 38 | 27 | 0 | 0.04 |
| 17 | 51 | 25 | 38 | 27 | 0 | 0.04 |
| 18 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 19 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 20 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 21 | 49 | 23 | 36 | 29 | 0 | 0.04 |
| 22 | 49 | 23 | 36 | 29 | 0 | 0.04 |
| 23 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 24 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 25 | 47 | 22 | 35 | 30 | 0 | 0.04 |
| 26 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 27 | 46 | 21 | 34 | 31 | 0 | 0.04 |
| 28 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 29 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| 30 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| MTH | 51.9 | 25.1 | 38.5 | 795 | 0 | 1.24 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LEVAN UTAH Station Number: 425065

Latitude: 39° 33* 15( Longitude: -111° 52* 01( Elevation (feet): 5290

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.11 | 0.11 | 0.09 | 0.06 | 0.10 | 0.00 | 0.01 | 0.03 | 0.00 | 0.07 | 0.15 | 0.12 | 6.54 |
| 0.010 | 0.15 | 0.14 | 0.13 | 0.08 | 0.13 | 0.00 | 0.02 | 0.05 | 0.00 | 0.10 | 0.19 | 0.16 | 7.13 |
| 0.050 | 0.31 | 0.30 | 0.30 | 0.22 | 0.31 | 0.02 | 0.08 | 0.12 | 0.05 | 0.26 | 0.35 | 0.30 | 8.96 |
| 0.100 | 0.44 | 0.43 | 0.45 | 0.35 | 0.46 | 0.07 | 0.13 | 0.19 | 0.16 | 0.40 | 0.47 | 0.41 | 10.06 |
| 0.200 | 0.64 | 0.63 | 0.69 | 0.56 | 0.69 | 0.17 | 0.24 | 0.31 | 0.34 | 0.63 | 0.64 | 0.57 | 11.51 |
| 0.300 | 0.81 | 0.81 | 0.91 | 0.77 | 0.91 | 0.28 | 0.35 | 0.42 | 0.51 | 0.85 | 0.80 | 0.71 | 12.64 |
| 0.400 | 0.99 | 0.99 | 1.14 | 0.99 | 1.14 | 0.40 | 0.46 | 0.54 | 0.70 | 1.08 | 0.95 | 0.85 | 13.66 |
| 0.500 | 1.17 | 1.18 | 1.39 | 1.22 | 1.38 | 0.55 | 0.60 | 0.67 | 0.92 | 1.33 | 1.11 | 1.00 | 14.66 |
| 0.600 | 1.38 | 1.40 | 1.67 | 1.49 | 1.65 | 0.72 | 0.75 | 0.82 | 1.17 | 1.62 | 1.29 | 1.16 | 15.71 |
| 0.700 | 1.63 | 1.66 | 2.00 | 1.82 | 1.98 | 0.95 | 0.94 | 1.01 | 1.49 | 1.97 | 1.49 | 1.35 | 16.89 |
| 0.800 | 1.96 | 2.00 | 2.45 | 2.27 | 2.42 | 1.26 | 1.21 | 1.25 | 1.92 | 2.44 | 1.76 | 1.60 | 18.34 |
| 0.900 | 2.48 | 2.54 | 3.17 | 2.99 | 3.12 | 1.79 | 1.64 | 1.66 | 2.65 | 3.21 | 2.18 | 1.99 | 20.49 |
| 0.950 | 2.97 | 3.05 | 3.86 | 3.68 | 3.79 | 2.32 | 2.07 | 2.05 | 3.35 | 3.94 | 2.57 | 2.35 | 22.38 |
| 0.990 | 4.03 | 4.17 | 5.37 | 5.24 | 5.27 | 3.53 | 3.04 | 2.91 | 4.96 | 5.57 | 3.42 | 3.14 | 26.23 |
| 0.995 | 4.48 | 4.63 | 6.01 | 5.89 | 5.88 | 4.05 | 3.45 | 3.28 | 5.64 | 6.25 | 3.77 | 3.47 | 27.73 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LOA UTAH Station Number: 425148

Latitude: 38 B 24 * 00 ( Longitude: -111 B 39* 00 ( Elevation (feet): 7078

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| 2 | 44 | 11 | 28 | 37 | 0 | 0.01 |
| 3 | 44 | 11 | 27 | 38 | 0 | 0.01 |
| 4 | 44 | 11 | 27 | 38 | 0 | 0.01 |
| 5 | 44 | 11 | 27 | 38 | 0 | 0.01 |
| 6 | 44 | 10 | 27 | 38 | 0 | 0.01 |
| 7 | 43 | 10 | 26 | 39 | 0 | 0.00 |
| 8 | 42 | 10 | 26 | 39 | 0 | 0.00 |
| 9 | 42 | 10 | 26 | 39 | 0 | 0.00 |
| 10 | 42 | 10 | 26 | 39 | 0 | 0.00 |
| 11 | 42 | 10 | 26 | 39 | 0 | 0.01 |
| 12 | 42 | 9 | 26 | 39 | 0 | 0.01 |
| 13 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 14 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 15 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 16 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 17 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 18 | 41 | 8 | 25 | 40 | 0 | 0.01 |
| 19 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 20 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 21 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 22 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 23 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 24 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 25 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 26 | 40 | 7 | 24 | 41 | 0 | 0.01 |
| 27 | 40 | 7 | 24 | 41 | 0 | 0.01 |
| 28 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 29 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 30 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 31 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| MTH | 41.3 | 8.9 | 25.1 | 1237 | 0 | 0.27 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 2 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 3 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 4 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 5 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 6 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 7 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 8 | 39 | 7 | 23 | 42 | 0 | 0.01 |
| 9 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 10 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 11 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 12 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 13 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 14 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 15 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 16 | 39 | 7 | 23 | 42 | 0 | 0.02 |
| 17 | 40 | 7 | 23 | 42 | 0 | 0.02 |
| 18 | 40 | 7 | 24 | 41 | 0 | 0.02 |
| 19 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 20 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 21 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 22 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 23 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 24 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 25 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 26 | 40 | 9 | 25 | 40 | 0 | 0.01 |
| 27 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 28 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 29 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 30 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 31 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| MTH | 39.7 | 7.6 | 23.7 | 1282 | 0 | 0.46 |
| | 41.7 | 9.8 | 25.7 | 3542 | 0 | 1.05 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 11 | 26 | 39 | 0 | 0.01 |
| 2 | 42 | 11 | 26 | 39 | 0 | 0.01 |
| 3 | 42 | 11 | 26 | 39 | 0 | 0.01 |
| 4 | 42 | 11 | 26 | 39 | 0 | 0.01 |
| 5 | 42 | 11 | 26 | 39 | 0 | 0.01 |
| 6 | 42 | 11 | 27 | 38 | 0 | 0.01 |
| 7 | 42 | 11 | 27 | 38 | 0 | 0.01 |
| 8 | 43 | 11 | 27 | 38 | 0 | 0.01 |
| 9 | 43 | 12 | 27 | 38 | 0 | 0.01 |
| 10 | 43 | 12 | 27 | 38 | 0 | 0.01 |
| 11 | 43 | 12 | 27 | 38 | 0 | 0.01 |
| 12 | 43 | 12 | 28 | 37 | 0 | 0.01 |
| 13 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| 14 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| 15 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| 16 | 44 | 13 | 29 | 36 | 0 | 0.01 |
| 17 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 18 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 19 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 20 | 45 | 14 | 30 | 35 | 0 | 0.01 |
| 21 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 22 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 23 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 24 | 46 | 15 | 31 | 34 | 0 | 0.01 |
| 25 | 46 | 15 | 31 | 34 | 0 | 0.02 |
| 26 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 27 | 47 | 16 | 32 | 33 | 0 | 0.02 |
| 28 | 47 | 16 | 32 | 33 | 0 | 0.02 |
| MTH | 44.1 | 12.8 | 28.5 | 1023 | 0 | 0.32 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 17 | 32 | 33 | 0 | 0.01 |
| 2 | 47 | 18 | 32 | 33 | 0 | 0.01 |
| 3 | 49 | 18 | 33 | 32 | 0 | 0.01 |
| 4 | 49 | 18 | 33 | 32 | 0 | 0.01 |
| 5 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 6 | 49 | 18 | 33 | 32 | 0 | 0.02 |
| 7 | 49 | 18 | 34 | 31 | 0 | 0.02 |
| 8 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 9 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 10 | 49 | 19 | 34 | 31 | 0 | 0.02 |
| 11 | 50 | 19 | 35 | 30 | 0 | 0.02 |
| 12 | 50 | 19 | 35 | 30 | 0 | 0.02 |
| 13 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 14 | 51 | 19 | 35 | 30 | 0 | 0.02 |
| 15 | 51 | 20 | 36 | 29 | 0 | 0.02 |
| 16 | 51 | 20 | 36 | 29 | 0 | 0.02 |
| 17 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 18 | 51 | 21 | 36 | 29 | 0 | 0.02 |
| 19 | 52 | 21 | 37 | 28 | 0 | 0.02 |
| 20 | 52 | 21 | 37 | 28 | 0 | 0.02 |
| 21 | 52 | 21 | 37 | 28 | 0 | 0.02 |
| 22 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 23 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 24 | 53 | 22 | 38 | 27 | 0 | 0.02 |
| 25 | 53 | 22 | 38 | 27 | 0 | 0.02 |
| 26 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 27 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 28 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 29 | 54 | 22 | 38 | 27 | 0 | 0.01 |
| 30 | 55 | 22 | 39 | 26 | 0 | 0.01 |
| 31 | 55 | 23 | 39 | 26 | 0 | 0.01 |
| MTH | 51.2 | 20.1 | 35.7 | 908 | 0 | 0.55 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 2 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 3 | 55 | 23 | 39 | 26 | 0 | 0.02 |
| 4 | 56 | 23 | 39 | 26 | 0 | 0.01 |
| 5 | 56 | 23 | 40 | 25 | 0 | 0.01 |
| 6 | 56 | 23 | 40 | 25 | 0 | 0.01 |
| 7 | 56 | 23 | 40 | 25 | 0 | 0.01 |
| 8 | 57 | 23 | 40 | 25 | 0 | 0.01 |
| 9 | 57 | 24 | 40 | 25 | 0 | 0.01 |
| 10 | 57 | 24 | 41 | 24 | 0 | 0.01 |
| 11 | 57 | 24 | 41 | 24 | 0 | 0.01 |
| 12 | 58 | 24 | 41 | 24 | 0 | 0.01 |
| 13 | 58 | 24 | 41 | 24 | 0 | 0.01 |
| 14 | 58 | 25 | 42 | 23 | 0 | 0.01 |
| 15 | 59 | 25 | 42 | 23 | 0 | 0.01 |
| 16 | 59 | 25 | 42 | 23 | 0 | 0.01 |
| 17 | 59 | 25 | 42 | 23 | 0 | 0.01 |
| 18 | 59 | 26 | 43 | 22 | 0 | 0.01 |
| 19 | 60 | 26 | 43 | 22 | 0 | 0.01 |
| 20 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 21 | 60 | 26 | 43 | 22 | 0 | 0.02 |
| 22 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 23 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 24 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 25 | 61 | 27 | 44 | 21 | 0 | 0.02 |
| 26 | 62 | 28 | 45 | 20 | 0 | 0.02 |
| 27 | 62 | 28 | 45 | 20 | 0 | 0.02 |
| 28 | 62 | 28 | 45 | 20 | 0 | 0.02 |
| 29 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| 30 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| MTH | 58.8 | 25.3 | 42.1 | 687 | 0 | 0.44 |
| | 59.4 | 26.3 | 42.9 | 2032 | 1 | 1.81 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 30 | 46 | 19 | 0 | 0.02 |
| 2 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 3 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 4 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 5 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 6 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 7 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 8 | 65 | 32 | 49 | 16 | 0 | 0.03 |
| 9 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 10 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 11 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 12 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 13 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 14 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 15 | 68 | 33 | 51 | 14 | 0 | 0.03 |
| 16 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 17 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 18 | 69 | 34 | 52 | 13 | 0 | 0.03 |
| 19 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 20 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 21 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 22 | 70 | 35 | 53 | 12 | 0 | 0.03 |
| 23 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 24 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 25 | 71 | 36 | 54 | 11 | 0 | 0.03 |
| 26 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 27 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 28 | 72 | 36 | 54 | 11 | 0 | 0.02 |
| 29 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 30 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 31 | 74 | 37 | 56 | 10 | 1 | 0.02 |
| MTH | 68.2 | 33.6 | 50.9 | 437 | 1 | 0.82 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: LOA UTAH Station Number: 425148

Latitude: 38° 24* 00( Longitude: -111° 39* 00( Elevation (feet): 7078

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 2 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 3 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 4 | 75 | 38 | 57 | 8 | 0 | 0.02 |
| 5 | 75 | 38 | 57 | 8 | 0 | 0.02 |
| 6 | 76 | 38 | 57 | 8 | 0 | 0.02 |
| 7 | 76 | 39 | 57 | 8 | 0 | 0.02 |
| 8 | 76 | 39 | 57 | 8 | 0 | 0.02 |
| 9 | 76 | 39 | 58 | 8 | 1 | 0.02 |
| 10 | 77 | 39 | 58 | 8 | 1 | 0.02 |
| 11 | 77 | 40 | 59 | 7 | 1 | 0.02 |
| 12 | 77 | 40 | 59 | 7 | 1 | 0.02 |
| 13 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 14 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 15 | 78 | 40 | 59 | 7 | 1 | 0.02 |
| 16 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 17 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 18 | 79 | 41 | 60 | 6 | 1 | 0.01 |
| 19 | 79 | 41 | 60 | 6 | 1 | 0.01 |
| 20 | 80 | 42 | 61 | 5 | 1 | 0.01 |
| 21 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 22 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 23 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 24 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 25 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 26 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 27 | 81 | 43 | 62 | 4 | 1 | 0.02 |
| 28 | 81 | 44 | 63 | 3 | 1 | 0.02 |
| 29 | 82 | 44 | 63 | 3 | 1 | 0.02 |
| 30 | 82 | 44 | 63 | 3 | 1 | 0.02 |
| MTH | 78.2 | 40.7 | 59.5 | 187 | 22 | 0.57 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 45 | 63 | 3 | 1 | 0.02 |
| 2 | 82 | 45 | 63 | 3 | 1 | 0.02 |
| 3 | 82 | 45 | 63 | 3 | 1 | 0.02 |
| 4 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 5 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 6 | 83 | 46 | 64 | 3 | 2 | 0.02 |
| 7 | 83 | 46 | 65 | 2 | 2 | 0.02 |
| 8 | 83 | 46 | 65 | 2 | 2 | 0.02 |
| 9 | 83 | 46 | 65 | 2 | 2 | 0.02 |
| 10 | 83 | 47 | 65 | 2 | 2 | 0.02 |
| 11 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 12 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 13 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 14 | 84 | 47 | 65 | 2 | 2 | 0.03 |
| 15 | 84 | 47 | 66 | 1 | 2 | 0.03 |
| 16 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 17 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 18 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 19 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 20 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 21 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 22 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 23 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 24 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 25 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 26 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 27 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 28 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 29 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 30 | 84 | 48 | 66 | 1 | 2 | 0.04 |
| 31 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| MTH | 83.5 | 47.1 | 65.3 | 51 | 59 | 0.89 |
| SUMMER SEASON: | 80.9 | 44.5 | 62.7 | 322 | 117 | 2.85 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 2 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 3 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 4 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 5 | 83 | 48 | 66 | 1 | 2 | 0.04 |
| 6 | 83 | 48 | 65 | 1 | 1 | 0.04 |
| 7 | 83 | 48 | 65 | 1 | 1 | 0.04 |
| 8 | 83 | 48 | 65 | 1 | 1 | 0.04 |
| 9 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 10 | 82 | 47 | 64 | 2 | 1 | 0.05 |
| 11 | 82 | 47 | 64 | 2 | 1 | 0.05 |
| 12 | 82 | 47 | 64 | 2 | 1 | 0.05 |
| 13 | 82 | 47 | 64 | 2 | 1 | 0.05 |
| 14 | 82 | 47 | 64 | 2 | 1 | 0.05 |
| 15 | 81 | 47 | 64 | 2 | 1 | 0.05 |
| 16 | 81 | 47 | 64 | 2 | 1 | 0.05 |
| 17 | 81 | 46 | 63 | 3 | 1 | 0.05 |
| 18 | 81 | 46 | 63 | 3 | 1 | 0.05 |
| 19 | 81 | 45 | 63 | 3 | 1 | 0.05 |
| 20 | 80 | 45 | 63 | 3 | 1 | 0.05 |
| 21 | 80 | 45 | 63 | 3 | 1 | 0.05 |
| 22 | 80 | 44 | 62 | 4 | 1 | 0.05 |
| 23 | 80 | 44 | 62 | 4 | 1 | 0.05 |
| 24 | 80 | 44 | 62 | 4 | 1 | 0.04 |
| 25 | 79 | 44 | 62 | 4 | 1 | 0.04 |
| 26 | 79 | 44 | 62 | 4 | 1 | 0.04 |
| 27 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 28 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 29 | 78 | 43 | 61 | 5 | 1 | 0.04 |
| 30 | 78 | 43 | 61 | 5 | 1 | 0.04 |
| 31 | 78 | 42 | 60 | 5 | 0 | 0.04 |
| MTH | 81.0 | 45.9 | 63.5 | 84 | 36 | 1.39 |

**SEPTEMBER**

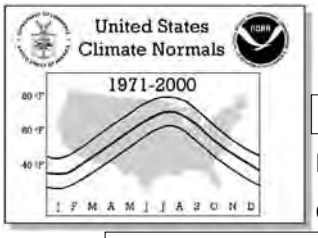
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 42 | 60 | 6 | 1 | 0.04 |
| 2 | 77 | 42 | 60 | 6 | 1 | 0.04 |
| 3 | 77 | 42 | 60 | 6 | 1 | 0.04 |
| 4 | 77 | 42 | 59 | 6 | 0 | 0.04 |
| 5 | 77 | 42 | 59 | 6 | 0 | 0.04 |
| 6 | 76 | 41 | 59 | 6 | 0 | 0.03 |
| 7 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 8 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 9 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 10 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 11 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 12 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 13 | 74 | 39 | 57 | 8 | 0 | 0.03 |
| 14 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 15 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 16 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 17 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 18 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 19 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 20 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 21 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 22 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 23 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 24 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 25 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 26 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 27 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 28 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 29 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 30 | 69 | 33 | 51 | 14 | 0 | 0.02 |
| MTH | 73.6 | 37.8 | 55.7 | 282 | 3 | 0.94 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 2 | 69 | 32 | 50 | 15 | 0 | 0.03 |
| 3 | 69 | 32 | 50 | 15 | 0 | 0.03 |
| 4 | 69 | 31 | 50 | 15 | 0 | 0.03 |
| 5 | 68 | 31 | 49 | 16 | 0 | 0.03 |
| 6 | 68 | 31 | 49 | 16 | 0 | 0.03 |
| 7 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 8 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 9 | 66 | 29 | 48 | 17 | 0 | 0.03 |
| 10 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 11 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 12 | 64 | 28 | 46 | 19 | 0 | 0.02 |
| 13 | 64 | 28 | 46 | 19 | 0 | 0.02 |
| 14 | 64 | 28 | 46 | 19 | 0 | 0.02 |
| 15 | 63 | 27 | 45 | 20 | 0 | 0.02 |
| 16 | 63 | 27 | 45 | 20 | 0 | 0.02 |
| 17 | 63 | 26 | 45 | 20 | 0 | 0.02 |
| 18 | 62 | 26 | 44 | 21 | 0 | 0.02 |
| 19 | 62 | 26 | 44 | 21 | 0 | 0.02 |
| 20 | 61 | 25 | 43 | 22 | 0 | 0.02 |
| 21 | 61 | 25 | 43 | 22 | 0 | 0.02 |
| 22 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 23 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 24 | 59 | 24 | 42 | 23 | 0 | 0.02 |
| 25 | 59 | 23 | 41 | 24 | 0 | 0.02 |
| 26 | 58 | 23 | 41 | 24 | 0 | 0.02 |
| 27 | 58 | 22 | 40 | 25 | 0 | 0.02 |
| 28 | 57 | 22 | 40 | 25 | 0 | 0.02 |
| 29 | 56 | 22 | 39 | 26 | 0 | 0.02 |
| 30 | 56 | 22 | 39 | 26 | 0 | 0.02 |
| 31 | 56 | 21 | 39 | 26 | 0 | 0.02 |
| MTH | 62.8 | 26.8 | 44.8 | 626 | 0 | 0.73 |
| AUTUMN SEASON: | 61.8 | 26.9 | 44.4 | 1880 | 3 | 2.04 |
| *ANNUAL:* | 61.0 | 26.9 | 43.9 | 7776 | 121 | 7.75 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 21 | 38 | 27 | 0 | 0.02 |
| 2 | 56 | 21 | 38 | 27 | 0 | 0.02 |
| 3 | 54 | 21 | 37 | 28 | 0 | 0.02 |
| 4 | 54 | 20 | 37 | 28 | 0 | 0.02 |
| 5 | 54 | 19 | 36 | 29 | 0 | 0.02 |
| 6 | 54 | 19 | 36 | 29 | 0 | 0.02 |
| 7 | 52 | 19 | 36 | 29 | 0 | 0.02 |
| 8 | 52 | 18 | 35 | 30 | 0 | 0.01 |
| 9 | 51 | 18 | 35 | 30 | 0 | 0.01 |
| 10 | 51 | 17 | 34 | 31 | 0 | 0.01 |
| 11 | 51 | 17 | 34 | 31 | 0 | 0.01 |
| 12 | 50 | 17 | 34 | 31 | 0 | 0.01 |
| 13 | 50 | 16 | 33 | 32 | 0 | 0.01 |
| 14 | 49 | 16 | 33 | 32 | 0 | 0.01 |
| 15 | 48 | 16 | 32 | 33 | 0 | 0.01 |
| 16 | 48 | 16 | 32 | 33 | 0 | 0.01 |
| 17 | 48 | 16 | 32 | 33 | 0 | 0.01 |
| 18 | 47 | 15 | 31 | 34 | 0 | 0.01 |
| 19 | 47 | 15 | 31 | 34 | 0 | 0.01 |
| 20 | 47 | 15 | 31 | 34 | 0 | 0.01 |
| 21 | 47 | 14 | 31 | 34 | 0 | 0.01 |
| 22 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 23 | 46 | 14 | 30 | 35 | 0 | 0.01 |
| 24 | 46 | 13 | 30 | 35 | 0 | 0.01 |
| 25 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 26 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 27 | 45 | 13 | 29 | 36 | 0 | 0.01 |
| 28 | 45 | 12 | 29 | 36 | 0 | 0.01 |
| 29 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| 30 | 44 | 12 | 28 | 37 | 0 | 0.01 |
| MTH | 49.1 | 16.1 | 32.6 | 972 | 0 | 0.37 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: LOA UTAH Station Number: 425148

Latitude: 38° 24* 00( Longitude: -111° 39* 00( Elevation (feet): 7078

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 3.18 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 3.50 |
| 0.050 | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.09 | 0.13 | 0.08 | 0.03 | 0.00 | 0.00 | 4.46 |
| 0.100 | 0.00 | 0.03 | 0.08 | 0.00 | 0.13 | 0.00 | 0.20 | 0.30 | 0.15 | 0.09 | 0.03 | 0.07 | 5.05 |
| 0.200 | 0.12 | 0.07 | 0.16 | 0.17 | 0.29 | 0.09 | 0.35 | 0.53 | 0.28 | 0.20 | 0.09 | 0.12 | 5.83 |
| 0.300 | 0.21 | 0.11 | 0.24 | 0.25 | 0.42 | 0.18 | 0.48 | 0.73 | 0.41 | 0.30 | 0.15 | 0.16 | 6.44 |
| 0.400 | 0.28 | 0.16 | 0.33 | 0.31 | 0.55 | 0.28 | 0.61 | 0.94 | 0.55 | 0.42 | 0.21 | 0.20 | 7.00 |
| 0.500 | 0.37 | 0.22 | 0.43 | 0.38 | 0.69 | 0.39 | 0.75 | 1.16 | 0.71 | 0.55 | 0.28 | 0.25 | 7.55 |
| 0.600 | 0.47 | 0.29 | 0.54 | 0.46 | 0.84 | 0.53 | 0.91 | 1.41 | 0.90 | 0.71 | 0.36 | 0.29 | 8.12 |
| 0.700 | 0.59 | 0.38 | 0.68 | 0.56 | 1.03 | 0.70 | 1.10 | 1.72 | 1.14 | 0.90 | 0.46 | 0.34 | 8.77 |
| 0.800 | 0.74 | 0.51 | 0.87 | 0.67 | 1.27 | 0.94 | 1.36 | 2.13 | 1.47 | 1.17 | 0.60 | 0.41 | 9.57 |
| 0.900 | 1.00 | 0.73 | 1.19 | 0.85 | 1.67 | 1.36 | 1.77 | 2.79 | 2.02 | 1.61 | 0.84 | 0.51 | 10.75 |
| 0.950 | 1.25 | 0.95 | 1.50 | 1.03 | 2.05 | 1.76 | 2.16 | 3.42 | 2.56 | 2.05 | 1.06 | 0.61 | 11.80 |
| 0.990 | 1.80 | 1.45 | 2.21 | 1.41 | 2.90 | 2.70 | 3.02 | 4.82 | 3.80 | 3.04 | 1.58 | 0.83 | 13.94 |
| 0.995 | 2.04 | 1.66 | 2.51 | 1.56 | 3.25 | 3.10 | 3.39 | 5.41 | 4.32 | 3.46 | 1.80 | 0.92 | 14.78 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MANTI UTAH Station Number: 425402

Latitude: 39° 15* 29( Longitude: -111° 37* 53( Elevation (feet): 5740

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 20 | 31 | 34 | 0 | 0.03 |
| 2 | 41 | 20 | 30 | 35 | 0 | 0.03 |
| 3 | 41 | 19 | 30 | 35 | 0 | 0.03 |
| 4 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 5 | 41 | 18 | 29 | 36 | 0 | 0.03 |
| 6 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 7 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 8 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 9 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 10 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 11 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 12 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 13 | 38 | 16 | 27 | 38 | 0 | 0.03 |
| 14 | 38 | 16 | 27 | 38 | 0 | 0.03 |
| 15 | 38 | 16 | 27 | 38 | 0 | 0.03 |
| 16 | 38 | 16 | 27 | 38 | 0 | 0.03 |
| 17 | 38 | 16 | 27 | 38 | 0 | 0.02 |
| 18 | 37 | 15 | 26 | 39 | 0 | 0.02 |
| 19 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 20 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 21 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 22 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 23 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 24 | 37 | 15 | 26 | 39 | 0 | 0.03 |
| 25 | 36 | 15 | 26 | 39 | 0 | 0.03 |
| 26 | 36 | 15 | 26 | 39 | 0 | 0.03 |
| 27 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 28 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 29 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 30 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 31 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| MTH | 38.2 | 16.2 | 27.2 | 1172 | 0 | 0.91 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 2 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 3 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 4 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 5 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 6 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 7 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 8 | 36 | 14 | 25 | 40 | 0 | 0.03 |
| 9 | 36 | 15 | 25 | 40 | 0 | 0.03 |
| 10 | 36 | 15 | 25 | 40 | 0 | 0.03 |
| 11 | 36 | 15 | 25 | 40 | 0 | 0.03 |
| 12 | 36 | 15 | 25 | 40 | 0 | 0.03 |
| 13 | 36 | 15 | 25 | 40 | 0 | 0.03 |
| 14 | 36 | 15 | 26 | 39 | 0 | 0.03 |
| 15 | 36 | 15 | 26 | 39 | 0 | 0.03 |
| 16 | 36 | 15 | 26 | 39 | 0 | 0.03 |
| 17 | 36 | 15 | 26 | 39 | 0 | 0.04 |
| 18 | 36 | 15 | 26 | 39 | 0 | 0.04 |
| 19 | 36 | 15 | 26 | 39 | 0 | 0.04 |
| 20 | 37 | 15 | 26 | 39 | 0 | 0.04 |
| 21 | 37 | 15 | 26 | 39 | 0 | 0.04 |
| 22 | 37 | 15 | 26 | 39 | 0 | 0.04 |
| 23 | 37 | 15 | 26 | 39 | 0 | 0.04 |
| 24 | 37 | 15 | 26 | 39 | 0 | 0.04 |
| 25 | 37 | 16 | 27 | 38 | 0 | 0.04 |
| 26 | 37 | 16 | 27 | 38 | 0 | 0.04 |
| 27 | 37 | 16 | 27 | 38 | 0 | 0.04 |
| 28 | 38 | 16 | 27 | 38 | 0 | 0.04 |
| 29 | 38 | 16 | 27 | 38 | 0 | 0.04 |
| 30 | 38 | 16 | 27 | 38 | 0 | 0.04 |
| 31 | 38 | 16 | 27 | 38 | 0 | 0.04 |
| MTH | 36.5 | 15.0 | 25.8 | 1215 | 0 | 1.08 |
| | 38.8 | 16.8 | 27.8 | 3353 | 0 | 3.06 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 2 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 3 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 4 | 40 | 17 | 28 | 37 | 0 | 0.03 |
| 5 | 40 | 17 | 28 | 37 | 0 | 0.03 |
| 6 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 7 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 8 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 9 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 10 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 11 | 41 | 18 | 30 | 35 | 0 | 0.04 |
| 12 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 13 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 14 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 15 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 16 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 17 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 18 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 19 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 20 | 43 | 20 | 32 | 33 | 0 | 0.04 |
| 21 | 43 | 21 | 32 | 33 | 0 | 0.04 |
| 22 | 43 | 21 | 32 | 33 | 0 | 0.04 |
| 23 | 43 | 21 | 32 | 33 | 0 | 0.04 |
| 24 | 44 | 21 | 33 | 32 | 0 | 0.04 |
| 25 | 44 | 22 | 33 | 32 | 0 | 0.04 |
| 26 | 44 | 22 | 33 | 32 | 0 | 0.04 |
| 27 | 45 | 22 | 34 | 31 | 0 | 0.04 |
| 28 | 45 | 22 | 34 | 31 | 0 | 0.04 |
| MTH | 41.6 | 19.3 | 30.5 | 966 | 0 | 1.07 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 23 | 34 | 31 | 0 | 0.04 |
| 2 | 47 | 24 | 35 | 30 | 0 | 0.04 |
| 3 | 47 | 24 | 35 | 30 | 0 | 0.04 |
| 4 | 47 | 24 | 35 | 30 | 0 | 0.04 |
| 5 | 47 | 24 | 35 | 30 | 0 | 0.04 |
| 6 | 47 | 24 | 36 | 29 | 0 | 0.04 |
| 7 | 47 | 24 | 36 | 29 | 0 | 0.05 |
| 8 | 48 | 24 | 36 | 29 | 0 | 0.05 |
| 9 | 48 | 24 | 36 | 29 | 0 | 0.05 |
| 10 | 48 | 25 | 37 | 28 | 0 | 0.05 |
| 11 | 49 | 25 | 37 | 28 | 0 | 0.05 |
| 12 | 49 | 25 | 37 | 28 | 0 | 0.05 |
| 13 | 49 | 25 | 37 | 28 | 0 | 0.05 |
| 14 | 49 | 26 | 38 | 27 | 0 | 0.05 |
| 15 | 50 | 26 | 38 | 27 | 0 | 0.05 |
| 16 | 50 | 26 | 38 | 27 | 0 | 0.05 |
| 17 | 50 | 26 | 38 | 27 | 0 | 0.05 |
| 18 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 19 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 20 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 21 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 22 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 23 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 24 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 25 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 26 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 27 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 28 | 53 | 29 | 41 | 24 | 0 | 0.05 |
| 29 | 53 | 29 | 41 | 24 | 0 | 0.04 |
| 30 | 53 | 29 | 41 | 24 | 0 | 0.04 |
| 31 | 54 | 29 | 42 | 23 | 0 | 0.04 |
| MTH | 50.0 | 26.2 | 38.1 | 834 | 0 | 1.46 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 2 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 3 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 4 | 55 | 30 | 42 | 23 | 0 | 0.04 |
| 5 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 6 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 7 | 56 | 30 | 43 | 22 | 0 | 0.04 |
| 8 | 57 | 30 | 43 | 22 | 0 | 0.04 |
| 9 | 57 | 31 | 44 | 21 | * | 0.04 |
| 10 | 57 | 31 | 44 | 21 | * | 0.04 |
| 11 | 57 | 31 | 44 | 21 | * | 0.04 |
| 12 | 57 | 31 | 44 | 21 | * | 0.04 |
| 13 | 57 | 32 | 45 | 21 | * | 0.04 |
| 14 | 58 | 32 | 45 | 20 | * | 0.04 |
| 15 | 58 | 32 | 45 | 20 | * | 0.04 |
| 16 | 58 | 32 | 45 | 20 | * | 0.04 |
| 17 | 58 | 32 | 45 | 20 | * | 0.04 |
| 18 | 59 | 32 | 46 | 19 | 0 | 0.04 |
| 19 | 59 | 33 | 46 | 19 | 0 | 0.04 |
| 20 | 59 | 33 | 46 | 19 | 0 | 0.04 |
| 21 | 59 | 33 | 46 | 19 | 0 | 0.04 |
| 22 | 60 | 33 | 47 | 18 | 0 | 0.04 |
| 23 | 60 | 34 | 47 | 18 | 0 | 0.05 |
| 24 | 60 | 34 | 47 | 18 | 0 | 0.05 |
| 25 | 60 | 34 | 47 | 18 | 0 | 0.05 |
| 26 | 61 | 34 | 48 | 17 | 0 | 0.05 |
| 27 | 62 | 34 | 48 | 17 | 0 | 0.05 |
| 28 | 62 | 34 | 48 | 17 | 0 | 0.05 |
| 29 | 62 | 35 | 49 | 16 | 0 | 0.05 |
| 30 | 63 | 35 | 49 | 16 | 0 | 0.05 |
| MTH | 58.3 | 32.0 | 45.2 | 596 | 1 | 1.31 |
| | 58.8 | 32.6 | 45.7 | 1778 | 6 | 4.29 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 63 | 36 | 49 | 16 | 0 | 0.05 |
| 2 | 63 | 36 | 50 | 15 | 0 | 0.05 |
| 3 | 64 | 36 | 50 | 15 | 0 | 0.05 |
| 4 | 64 | 37 | 50 | 15 | 0 | 0.05 |
| 5 | 64 | 37 | 50 | 15 | 0 | 0.05 |
| 6 | 64 | 37 | 51 | 14 | 0 | 0.05 |
| 7 | 65 | 37 | 51 | 14 | 0 | 0.05 |
| 8 | 65 | 37 | 51 | 14 | 0 | 0.05 |
| 9 | 66 | 38 | 52 | 13 | 0 | 0.05 |
| 10 | 66 | 38 | 52 | 13 | 0 | 0.05 |
| 11 | 66 | 38 | 52 | 13 | 0 | 0.05 |
| 12 | 67 | 39 | 53 | 12 | 0 | 0.05 |
| 13 | 67 | 39 | 53 | 12 | 0 | 0.05 |
| 14 | 67 | 39 | 53 | 12 | 0 | 0.05 |
| 15 | 68 | 39 | 54 | 11 | 0 | 0.05 |
| 16 | 68 | 40 | 54 | 11 | 0 | 0.05 |
| 17 | 68 | 40 | 54 | 11 | 0 | 0.05 |
| 18 | 69 | 40 | 55 | 10 | 0 | 0.05 |
| 19 | 69 | 41 | 55 | 10 | 0 | 0.05 |
| 20 | 69 | 41 | 55 | 10 | 0 | 0.05 |
| 21 | 69 | 41 | 55 | 10 | 0 | 0.05 |
| 22 | 70 | 41 | 56 | 9 | 0 | 0.05 |
| 23 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 24 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 25 | 71 | 42 | 57 | 8 | 0 | 0.05 |
| 26 | 72 | 42 | 57 | 8 | 0 | 0.05 |
| 27 | 72 | 43 | 58 | 8 | 1 | 0.05 |
| 28 | 72 | 43 | 58 | 8 | 1 | 0.05 |
| 29 | 73 | 43 | 58 | 8 | 1 | 0.04 |
| 30 | 73 | 43 | 58 | 8 | 1 | 0.04 |
| 31 | 74 | 44 | 59 | 7 | 1 | 0.04 |
| MTH | 68.1 | 39.7 | 53.9 | 348 | 5 | 1.52 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MANTI UTAH Station Number: 425402

Latitude: 39 B 15 * 29 ( Longitude: -111 B 37* 53 ( Elevation (feet): 5740

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 44 | 59 | 7 | 1 | 0.04 |
| 2 | 75 | 44 | 59 | 7 | 1 | 0.04 |
| 3 | 75 | 44 | 59 | 6 | 0 | 0.04 |
| 4 | 75 | 45 | 60 | 6 | 1 | 0.03 |
| 5 | 75 | 45 | 60 | 6 | 1 | 0.03 |
| 6 | 76 | 45 | 61 | 5 | 1 | 0.03 |
| 7 | 76 | 45 | 61 | 5 | 1 | 0.03 |
| 8 | 77 | 45 | 61 | 5 | 1 | 0.03 |
| 9 | 77 | 46 | 62 | 5 | 2 | 0.03 |
| 10 | 77 | 46 | 62 | 5 | 2 | 0.03 |
| 11 | 78 | 46 | 62 | 5 | 2 | 0.03 |
| 12 | 78 | 46 | 62 | 5 | 2 | 0.03 |
| 13 | 79 | 47 | 63 | 4 | 2 | 0.03 |
| 14 | 79 | 47 | 63 | 4 | 2 | 0.03 |
| 15 | 79 | 47 | 63 | 4 | 2 | 0.02 |
| 16 | 79 | 48 | 64 | 3 | 2 | 0.02 |
| 17 | 80 | 48 | 64 | 3 | 2 | 0.02 |
| 18 | 80 | 48 | 64 | 3 | 2 | 0.02 |
| 19 | 80 | 49 | 65 | 3 | 3 | 0.02 |
| 20 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 21 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 22 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 23 | 82 | 50 | 66 | 2 | 3 | 0.02 |
| 24 | 82 | 50 | 66 | 2 | 3 | 0.02 |
| 25 | 82 | 50 | 66 | 2 | 3 | 0.02 |
| 26 | 82 | 51 | 67 | 2 | 4 | 0.02 |
| 27 | 83 | 51 | 67 | 2 | 4 | 0.02 |
| 28 | 83 | 51 | 67 | 2 | 4 | 0.02 |
| 29 | 83 | 51 | 67 | 2 | 4 | 0.02 |
| 30 | 83 | 52 | 68 | 1 | 4 | 0.02 |
| MTH | 79.1 | 47.6 | 63.4 | 115 | 68 | 0.77 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 53 | 68 | 1 | 4 | 0.02 |
| 2 | 84 | 53 | 68 | 1 | 4 | 0.02 |
| 3 | 84 | 53 | 68 | 1 | 4 | 0.02 |
| 4 | 84 | 53 | 68 | 1 | 4 | 0.02 |
| 5 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 6 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 7 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 8 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 9 | 85 | 54 | 69 | 0 | 4 | 0.02 |
| 10 | 86 | 54 | 70 | 0 | 5 | 0.02 |
| 11 | 86 | 54 | 70 | 0 | 5 | 0.02 |
| 12 | 86 | 54 | 70 | 0 | 5 | 0.02 |
| 13 | 86 | 54 | 70 | 0 | 5 | 0.02 |
| 14 | 86 | 55 | 70 | 0 | 5 | 0.02 |
| 15 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 16 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 17 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 18 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 19 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 20 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 21 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 22 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 23 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 24 | 87 | 55 | 71 | 0 | 6 | 0.03 |
| 25 | 86 | 56 | 71 | 0 | 6 | 0.03 |
| 26 | 86 | 56 | 71 | 0 | 6 | 0.03 |
| 27 | 86 | 56 | 71 | 0 | 6 | 0.03 |
| 28 | 86 | 56 | 71 | 0 | 6 | 0.03 |
| 29 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 30 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 31 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| MTH | 85.6 | 54.5 | 70.1 | 8 | 167 | 0.79 |
| SUMMER SEASON: | 82.8 | 51.7 | 67.3 | 144 | 360 | 2.45 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 55 | 71 | 0 | 6 | 0.03 |
| 2 | 86 | 55 | 70 | 0 | 5 | 0.03 |
| 3 | 86 | 55 | 70 | 0 | 5 | 0.02 |
| 4 | 86 | 55 | 70 | 0 | 5 | 0.02 |
| 5 | 86 | 55 | 70 | 0 | 5 | 0.02 |
| 6 | 86 | 55 | 70 | 0 | 5 | 0.02 |
| 7 | 86 | 55 | 70 | 0 | 5 | 0.03 |
| 8 | 86 | 55 | 70 | 0 | 5 | 0.03 |
| 9 | 85 | 55 | 70 | 0 | 5 | 0.03 |
| 10 | 85 | 54 | 70 | 0 | 5 | 0.03 |
| 11 | 85 | 54 | 70 | 0 | 5 | 0.03 |
| 12 | 85 | 54 | 70 | 0 | 5 | 0.03 |
| 13 | 84 | 54 | 69 | 0 | 4 | 0.03 |
| 14 | 84 | 54 | 69 | 0 | 4 | 0.03 |
| 15 | 84 | 54 | 69 | 0 | 4 | 0.03 |
| 16 | 84 | 53 | 69 | 0 | 4 | 0.03 |
| 17 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 18 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 19 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 20 | 83 | 52 | 68 | 1 | 4 | 0.03 |
| 21 | 83 | 52 | 68 | 1 | 4 | 0.03 |
| 22 | 82 | 52 | 67 | 1 | 3 | 0.03 |
| 23 | 82 | 52 | 67 | 1 | 3 | 0.03 |
| 24 | 82 | 52 | 67 | 1 | 3 | 0.03 |
| 25 | 82 | 51 | 67 | 1 | 3 | 0.03 |
| 26 | 82 | 50 | 66 | 2 | 3 | 0.03 |
| 27 | 82 | 50 | 66 | 2 | 3 | 0.03 |
| 28 | 81 | 50 | 66 | 2 | 3 | 0.03 |
| 29 | 81 | 50 | 66 | 2 | 3 | 0.03 |
| 30 | 80 | 50 | 65 | 2 | 2 | 0.03 |
| 31 | 80 | 50 | 65 | 2 | 2 | 0.03 |
| MTH | 83.7 | 53.0 | 68.4 | 21 | 125 | 0.89 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 80 | 50 | 65 | 2 | 2 | 0.04 |
| 2 | 80 | 49 | 64 | 3 | 2 | 0.04 |
| 3 | 80 | 49 | 64 | 3 | 2 | 0.04 |
| 4 | 80 | 49 | 64 | 3 | 2 | 0.04 |
| 5 | 80 | 49 | 64 | 3 | 2 | 0.04 |
| 6 | 79 | 48 | 63 | 3 | 1 | 0.04 |
| 7 | 78 | 48 | 63 | 3 | 1 | 0.04 |
| 8 | 78 | 47 | 62 | 4 | 1 | 0.04 |
| 9 | 78 | 47 | 62 | 4 | 1 | 0.04 |
| 10 | 77 | 46 | 62 | 4 | 1 | 0.04 |
| 11 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 12 | 77 | 45 | 61 | 5 | 1 | 0.04 |
| 13 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 14 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 15 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 16 | 75 | 45 | 60 | 5 | 0 | 0.04 |
| 17 | 74 | 45 | 60 | 6 | 1 | 0.04 |
| 18 | 74 | 44 | 59 | 6 | 0 | 0.04 |
| 19 | 74 | 44 | 59 | 6 | 0 | 0.04 |
| 20 | 74 | 43 | 59 | 6 | 0 | 0.05 |
| 21 | 73 | 43 | 58 | 7 | 0 | 0.05 |
| 22 | 73 | 43 | 58 | 7 | 0 | 0.05 |
| 23 | 73 | 42 | 58 | 7 | 0 | 0.05 |
| 24 | 73 | 41 | 57 | 8 | 0 | 0.05 |
| 25 | 72 | 41 | 57 | 8 | 0 | 0.05 |
| 26 | 72 | 41 | 57 | 8 | 0 | 0.05 |
| 27 | 72 | 40 | 56 | 9 | 0 | 0.05 |
| 28 | 71 | 40 | 56 | 9 | 0 | 0.05 |
| 29 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 30 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| MTH | 75.5 | 44.6 | 60.1 | 169 | 21 | 1.31 |
| AUTUMN SEASON: | 62.6 | 34.2 | 48.5 | 1526 | 21 | 3.91 |
| *ANNUAL:* | 60.8 | 33.8 | 47.3 | 6801 | 387 | 13.71 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 2 | 70 | 39 | 54 | 11 | 0 | 0.05 |
| 3 | 70 | 39 | 54 | 11 | 0 | 0.05 |
| 4 | 70 | 39 | 54 | 11 | 0 | 0.05 |
| 5 | 68 | 39 | 53 | 12 | 0 | 0.05 |
| 6 | 68 | 38 | 53 | 12 | 0 | 0.05 |
| 7 | 68 | 37 | 53 | 12 | 0 | 0.05 |
| 8 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 9 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 10 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 11 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 12 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 13 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 14 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 15 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 16 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 17 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 18 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 19 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 20 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 21 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 22 | 61 | 32 | 47 | 18 | 0 | 0.04 |
| 23 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 24 | 60 | 31 | 46 | 19 | 0 | 0.04 |
| 25 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| 26 | 59 | 31 | 45 | 20 | 0 | 0.04 |
| 27 | 59 | 30 | 45 | 20 | 0 | 0.04 |
| 28 | 58 | 30 | 44 | 21 | 0 | 0.04 |
| 29 | 57 | 30 | 44 | 21 | 0 | 0.04 |
| 30 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 31 | 56 | 29 | 43 | 22 | 0 | 0.04 |
| MTH | 63.8 | 34.2 | 49.0 | 496 | 0 | 1.45 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 29 | 42 | 23 | 0 | 0.04 |
| 2 | 56 | 29 | 42 | 23 | 0 | 0.04 |
| 3 | 54 | 29 | 41 | 24 | 0 | 0.04 |
| 4 | 54 | 29 | 41 | 24 | 0 | 0.04 |
| 5 | 53 | 28 | 40 | 25 | 0 | 0.04 |
| 6 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 7 | 53 | 27 | 40 | 25 | 0 | 0.04 |
| 8 | 53 | 26 | 39 | 26 | 0 | 0.04 |
| 9 | 52 | 26 | 39 | 26 | 0 | 0.04 |
| 10 | 51 | 25 | 38 | 27 | 0 | 0.04 |
| 11 | 50 | 25 | 38 | 27 | 0 | 0.04 |
| 12 | 50 | 25 | 38 | 27 | 0 | 0.04 |
| 13 | 50 | 24 | 37 | 28 | 0 | 0.04 |
| 14 | 49 | 24 | 37 | 28 | 0 | 0.04 |
| 15 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 16 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 17 | 48 | 23 | 36 | 29 | 0 | 0.04 |
| 18 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 19 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 20 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 21 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 22 | 45 | 22 | 34 | 31 | 0 | 0.04 |
| 23 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 24 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 25 | 44 | 21 | 33 | 32 | 0 | 0.04 |
| 26 | 44 | 20 | 32 | 33 | 0 | 0.03 |
| 27 | 43 | 20 | 32 | 33 | 0 | 0.03 |
| 28 | 43 | 20 | 32 | 33 | 0 | 0.03 |
| 29 | 42 | 20 | 31 | 34 | 0 | 0.03 |
| 30 | 42 | 20 | 31 | 34 | 0 | 0.03 |
| MTH | 48.6 | 24.0 | 36.3 | 861 | 0 | 1.15 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MANTI UTAH Station Number: 425402

Latitude: 39° 15* 29( Longitude: -111° 37* 53( Elevation (feet): 5740

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.06 | 0.07 | 0.04 | 0.11 | 0.10 | 0.00 | 0.01 | 0.06 | 0.06 | 0.08 | 0.07 | 0.05 | 6.69 |
| 0.010 | 0.08 | 0.09 | 0.07 | 0.14 | 0.14 | 0.00 | 0.01 | 0.08 | 0.09 | 0.11 | 0.09 | 0.07 | 7.21 |
| 0.050 | 0.19 | 0.21 | 0.19 | 0.30 | 0.31 | 0.00 | 0.06 | 0.18 | 0.23 | 0.26 | 0.22 | 0.17 | 8.76 |
| 0.100 | 0.29 | 0.31 | 0.31 | 0.42 | 0.45 | 0.03 | 0.11 | 0.26 | 0.34 | 0.39 | 0.32 | 0.25 | 9.68 |
| 0.200 | 0.45 | 0.46 | 0.52 | 0.61 | 0.67 | 0.13 | 0.21 | 0.39 | 0.53 | 0.60 | 0.49 | 0.38 | 10.88 |
| 0.300 | 0.59 | 0.61 | 0.72 | 0.78 | 0.87 | 0.25 | 0.32 | 0.51 | 0.71 | 0.80 | 0.64 | 0.50 | 11.80 |
| 0.400 | 0.74 | 0.75 | 0.93 | 0.96 | 1.08 | 0.37 | 0.44 | 0.63 | 0.89 | 1.00 | 0.80 | 0.63 | 12.63 |
| 0.500 | 0.91 | 0.91 | 1.17 | 1.14 | 1.30 | 0.52 | 0.58 | 0.76 | 1.09 | 1.22 | 0.97 | 0.77 | 13.44 |
| 0.600 | 1.09 | 1.08 | 1.44 | 1.35 | 1.55 | 0.70 | 0.75 | 0.91 | 1.32 | 1.47 | 1.16 | 0.92 | 14.29 |
| 0.700 | 1.32 | 1.30 | 1.78 | 1.59 | 1.85 | 0.94 | 0.96 | 1.09 | 1.59 | 1.77 | 1.40 | 1.11 | 15.23 |
| 0.800 | 1.62 | 1.58 | 2.24 | 1.91 | 2.25 | 1.26 | 1.25 | 1.32 | 1.96 | 2.17 | 1.71 | 1.36 | 16.38 |
| 0.900 | 2.10 | 2.03 | 2.99 | 2.43 | 2.89 | 1.82 | 1.75 | 1.70 | 2.55 | 2.82 | 2.20 | 1.77 | 18.08 |
| 0.950 | 2.57 | 2.47 | 3.72 | 2.91 | 3.50 | 2.37 | 2.23 | 2.06 | 3.12 | 3.43 | 2.67 | 2.15 | 19.56 |
| 0.990 | 3.59 | 3.42 | 5.35 | 3.97 | 4.83 | 3.66 | 3.35 | 2.85 | 4.37 | 4.80 | 3.72 | 3.00 | 22.54 |
| 0.995 | 4.02 | 3.81 | 6.04 | 4.40 | 5.39 | 4.21 | 3.83 | 3.18 | 4.90 | 5.37 | 4.16 | 3.36 | 23.71 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MARYSVALE UTAH Station Number: 425477

Latitude: 38° 26* 58( Longitude: -112° 13* 45( Elevation (feet): 5910

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 2 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 3 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 4 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 5 | 46 | 19 | 32 | 33 | 0 | 0.01 |
| 6 | 46 | 19 | 32 | 33 | 0 | 0.01 |
| 7 | 46 | 17 | 31 | 34 | 0 | 0.01 |
| 8 | 46 | 17 | 31 | 34 | 0 | 0.01 |
| 9 | 45 | 17 | 31 | 34 | 0 | 0.01 |
| 10 | 44 | 17 | 31 | 34 | 0 | 0.01 |
| 11 | 44 | 16 | 30 | 35 | 0 | 0.01 |
| 12 | 44 | 16 | 30 | 35 | 0 | 0.01 |
| 13 | 44 | 16 | 30 | 35 | 0 | 0.01 |
| 14 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 15 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 16 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 17 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 18 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 19 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 20 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 21 | 42 | 15 | 29 | 36 | 0 | 0.01 |
| 22 | 42 | 15 | 29 | 36 | 0 | 0.01 |
| 23 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 24 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 25 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 26 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 27 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 28 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 29 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 30 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 31 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| MTH | 43.4 | 16.4 | 29.9 | 1088 | 0 | 0.44 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 2 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 3 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 4 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 5 | 41 | 16 | 28 | 37 | 0 | 0.02 |
| 6 | 41 | 16 | 28 | 37 | 0 | 0.02 |
| 7 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 8 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 9 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 10 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 11 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 12 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 13 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 14 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 15 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 16 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 17 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 18 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 19 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 20 | 42 | 17 | 30 | 35 | 0 | 0.02 |
| 21 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 22 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 23 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 24 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 25 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 26 | 43 | 18 | 31 | 34 | 0 | 0.02 |
| 27 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 28 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 29 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 30 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 31 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| MTH | 42.3 | 16.5 | 29.4 | 1104 | 0 | 0.59 |
| | 44.4 | 18.0 | 31.3 | 3047 | 0 | 1.57 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 2 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 3 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 4 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 5 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 6 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 7 | 46 | 20 | 33 | 32 | 0 | 0.02 |
| 8 | 46 | 20 | 33 | 32 | 0 | 0.01 |
| 9 | 46 | 20 | 33 | 32 | 0 | 0.01 |
| 10 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 11 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 12 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 13 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 14 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 15 | 47 | 21 | 34 | 31 | 0 | 0.02 |
| 16 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 17 | 48 | 22 | 35 | 30 | 0 | 0.02 |
| 18 | 48 | 22 | 35 | 30 | 0 | 0.02 |
| 19 | 48 | 22 | 35 | 30 | 0 | 0.02 |
| 20 | 49 | 22 | 36 | 29 | 0 | 0.02 |
| 21 | 49 | 22 | 36 | 29 | 0 | 0.02 |
| 22 | 49 | 23 | 36 | 29 | 0 | 0.02 |
| 23 | 49 | 23 | 36 | 29 | 0 | 0.02 |
| 24 | 49 | 23 | 36 | 29 | 0 | 0.02 |
| 25 | 50 | 23 | 37 | 28 | 0 | 0.02 |
| 26 | 50 | 23 | 37 | 28 | 0 | 0.02 |
| 27 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 28 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| MTH | 47.7 | 21.2 | 34.5 | 855 | 0 | 0.54 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 51 | 24 | 38 | 27 | 0 | 0.02 |
| 2 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 3 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 4 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 5 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 6 | 52 | 25 | 39 | 26 | 0 | 0.02 |
| 7 | 52 | 25 | 39 | 26 | 0 | 0.02 |
| 8 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 9 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 10 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 11 | 53 | 26 | 40 | 25 | 0 | 0.03 |
| 12 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 13 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 14 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 15 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 16 | 54 | 27 | 41 | 24 | 0 | 0.03 |
| 17 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 18 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 19 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 20 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 21 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 22 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 23 | 56 | 28 | 42 | 23 | 0 | 0.02 |
| 24 | 56 | 28 | 42 | 23 | 0 | 0.02 |
| 25 | 56 | 28 | 42 | 23 | 0 | 0.02 |
| 26 | 57 | 28 | 43 | 22 | 0 | 0.02 |
| 27 | 57 | 28 | 43 | 22 | 0 | 0.02 |
| 28 | 57 | 29 | 43 | 22 | 0 | 0.02 |
| 29 | 57 | 29 | 43 | 22 | 0 | 0.02 |
| 30 | 57 | 29 | 43 | 22 | 0 | 0.02 |
| 31 | 58 | 29 | 44 | 21 | 0 | 0.02 |
| MTH | 54.5 | 26.7 | 40.6 | 756 | 0 | 0.76 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 29 | 44 | 21 | 0 | 0.02 |
| 2 | 59 | 29 | 44 | 21 | 0 | 0.02 |
| 3 | 59 | 30 | 44 | 21 | 0 | 0.02 |
| 4 | 59 | 30 | 44 | 21 | 0 | 0.02 |
| 5 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| 6 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| 7 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| 8 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| 9 | 60 | 30 | 45 | 20 | 0 | 0.02 |
| 10 | 61 | 30 | 46 | 19 | 0 | 0.02 |
| 11 | 61 | 30 | 46 | 19 | 0 | 0.02 |
| 12 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 13 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 14 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 15 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 16 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 17 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 18 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 19 | 64 | 32 | 48 | 17 | 0 | 0.02 |
| 20 | 64 | 32 | 48 | 17 | 0 | 0.02 |
| 21 | 64 | 32 | 48 | 17 | 0 | 0.02 |
| 22 | 64 | 32 | 48 | 17 | 0 | 0.02 |
| 23 | 65 | 33 | 49 | 16 | 0 | 0.02 |
| 24 | 65 | 33 | 49 | 16 | 0 | 0.02 |
| 25 | 65 | 33 | 49 | 16 | 0 | 0.02 |
| 26 | 66 | 34 | 50 | 15 | 0 | 0.02 |
| 27 | 66 | 34 | 50 | 15 | 0 | 0.02 |
| 28 | 66 | 34 | 50 | 15 | 0 | 0.02 |
| 29 | 66 | 34 | 50 | 15 | 0 | 0.02 |
| 30 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| MTH | 62.6 | 31.4 | 47.0 | 540 | 0 | 0.61 |
| | 63.1 | 32.2 | 47.7 | 1601 | 7 | 2.12 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 35 | 51 | 14 | 0 | 0.02 |
| 2 | 67 | 36 | 51 | 14 | 0 | 0.02 |
| 3 | 68 | 36 | 52 | 13 | 0 | 0.02 |
| 4 | 68 | 36 | 52 | 13 | 0 | 0.02 |
| 5 | 69 | 36 | 52 | 13 | 0 | 0.02 |
| 6 | 69 | 36 | 52 | 13 | 0 | 0.02 |
| 7 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 8 | 69 | 37 | 53 | 12 | 0 | 0.03 |
| 9 | 69 | 37 | 53 | 12 | 0 | 0.03 |
| 10 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 11 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 12 | 71 | 37 | 54 | 11 | 0 | 0.03 |
| 13 | 71 | 37 | 54 | 11 | 0 | 0.03 |
| 14 | 71 | 38 | 55 | 10 | 0 | 0.03 |
| 15 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 16 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 17 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 18 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 19 | 73 | 39 | 56 | 9 | 0 | 0.03 |
| 20 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 21 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 22 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 23 | 74 | 40 | 57 | 8 | 0 | 0.02 |
| 24 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 25 | 76 | 40 | 58 | 8 | 1 | 0.02 |
| 26 | 76 | 41 | 59 | 7 | 1 | 0.02 |
| 27 | 76 | 41 | 59 | 7 | 1 | 0.02 |
| 28 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 29 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 30 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| 31 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| MTH | 72.3 | 38.5 | 55.4 | 305 | 7 | 0.75 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: MARYSVALE UTAH Station Number: 425477

Latitude: 38 B 26 * 58 ( Longitude: -112 B 13* 45 ( Elevation (feet): 5910

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 42 | 60 | 6 | 1 | 0.02 |
| 2 | 79 | 42 | 60 | 6 | 1 | 0.02 |
| 3 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 4 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 5 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 6 | 80 | 43 | 61 | 5 | 1 | 0.02 |
| 7 | 81 | 43 | 62 | 5 | 2 | 0.02 |
| 8 | 81 | 43 | 62 | 5 | 2 | 0.02 |
| 9 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 10 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 11 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 12 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 13 | 83 | 44 | 64 | 3 | 2 | 0.01 |
| 14 | 83 | 45 | 64 | 3 | 2 | 0.01 |
| 15 | 83 | 45 | 64 | 3 | 2 | 0.01 |
| 16 | 83 | 45 | 64 | 3 | 2 | 0.01 |
| 17 | 84 | 45 | 65 | 3 | 3 | 0.01 |
| 18 | 84 | 46 | 65 | 3 | 3 | 0.01 |
| 19 | 84 | 46 | 65 | 3 | 3 | 0.01 |
| 20 | 84 | 46 | 65 | 3 | 3 | 0.01 |
| 21 | 85 | 46 | 66 | 2 | 3 | 0.01 |
| 22 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 23 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 24 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 25 | 86 | 47 | 67 | 2 | 4 | 0.01 |
| 26 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 27 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 28 | 87 | 48 | 68 | 1 | 4 | 0.02 |
| 29 | 87 | 48 | 68 | 1 | 4 | 0.02 |
| 30 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| MTH | 83.2 | 45.1 | 64.2 | 99 | 74 | 0.44 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 2 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 3 | 88 | 49 | 68 | 1 | 4 | 0.02 |
| 4 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 5 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 6 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 7 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 8 | 89 | 50 | 69 | 0 | 4 | 0.02 |
| 9 | 89 | 51 | 70 | 0 | 5 | 0.02 |
| 10 | 89 | 51 | 70 | 0 | 5 | 0.02 |
| 11 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 12 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 13 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 14 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 15 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 16 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 17 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 18 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 19 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 20 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 21 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 22 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 23 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 24 | 90 | 52 | 71 | 0 | 6 | 0.03 |
| 25 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 26 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 27 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 28 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 29 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 30 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 31 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| MTH | 88.9 | 51.5 | 70.2 | 7 | 169 | 0.76 |
| SUMMER SEASON: | 86.2 | 49.0 | 67.6 | 117 | 361 | 2.20 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 51 | 70 | 0 | 5 | 0.03 |
| 2 | 89 | 51 | 70 | 0 | 5 | 0.03 |
| 3 | 89 | 51 | 70 | 0 | 5 | 0.03 |
| 4 | 89 | 52 | 70 | 0 | 5 | 0.03 |
| 5 | 89 | 52 | 70 | 0 | 5 | 0.03 |
| 6 | 89 | 52 | 70 | 0 | 5 | 0.03 |
| 7 | 89 | 52 | 70 | 0 | 5 | 0.03 |
| 8 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 9 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 10 | 88 | 51 | 70 | 0 | 5 | 0.03 |
| 11 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 12 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 13 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 14 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 15 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 16 | 87 | 51 | 69 | 0 | 4 | 0.04 |
| 17 | 86 | 51 | 69 | 0 | 4 | 0.04 |
| 18 | 86 | 51 | 69 | 0 | 4 | 0.03 |
| 19 | 86 | 51 | 69 | 0 | 4 | 0.03 |
| 20 | 86 | 50 | 68 | 0 | 3 | 0.03 |
| 21 | 86 | 50 | 68 | 0 | 3 | 0.03 |
| 22 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 23 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 24 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 25 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 26 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 27 | 84 | 49 | 67 | 1 | 3 | 0.03 |
| 28 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 29 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 30 | 84 | 48 | 66 | 1 | 2 | 0.03 |
| 31 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| MTH | 86.6 | 50.3 | 68.5 | 11 | 118 | 1.00 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 2 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 3 | 83 | 47 | 65 | 2 | 2 | 0.03 |
| 4 | 83 | 45 | 64 | 2 | 1 | 0.03 |
| 5 | 83 | 46 | 64 | 2 | 1 | 0.03 |
| 6 | 83 | 46 | 64 | 2 | 1 | 0.03 |
| 7 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 8 | 81 | 45 | 63 | 3 | 1 | 0.03 |
| 9 | 81 | 45 | 63 | 3 | 1 | 0.03 |
| 10 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 11 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 12 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 13 | 80 | 43 | 62 | 4 | 1 | 0.03 |
| 14 | 80 | 43 | 62 | 4 | 1 | 0.02 |
| 15 | 79 | 43 | 61 | 4 | 0 | 0.02 |
| 16 | 78 | 42 | 60 | 5 | 0 | 0.02 |
| 17 | 78 | 42 | 60 | 5 | 0 | 0.02 |
| 18 | 78 | 42 | 60 | 5 | 0 | 0.02 |
| 19 | 78 | 42 | 60 | 5 | 0 | 0.02 |
| 20 | 77 | 41 | 59 | 6 | 0 | 0.02 |
| 21 | 77 | 41 | 59 | 6 | 0 | 0.02 |
| 22 | 77 | 40 | 59 | 6 | 0 | 0.02 |
| 23 | 76 | 40 | 58 | 7 | 0 | 0.02 |
| 24 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 25 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 26 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 27 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 28 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 29 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 30 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| MTH | 78.8 | 42.5 | 60.7 | 148 | 18 | 0.80 |
| AUTUMN SEASON: | 65.9 | 33.0 | 49.5 | 1430 | 18 | 2.26 |
| *ANNUAL:* | 64.9 | 33.0 | 49.0 | 6195 | 386 | 8.15 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 38 | 55 | 10 | 0 | 0.03 |
| 2 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 3 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 4 | 73 | 36 | 54 | 11 | 0 | 0.03 |
| 5 | 73 | 36 | 54 | 11 | 0 | 0.03 |
| 6 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 7 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 8 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 9 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 10 | 70 | 34 | 52 | 13 | 0 | 0.03 |
| 11 | 69 | 34 | 52 | 13 | 0 | 0.03 |
| 12 | 69 | 33 | 51 | 14 | 0 | 0.03 |
| 13 | 68 | 33 | 51 | 14 | 0 | 0.03 |
| 14 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 15 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 16 | 67 | 32 | 50 | 15 | 0 | 0.03 |
| 17 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 18 | 66 | 32 | 49 | 16 | 0 | 0.03 |
| 19 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 20 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 21 | 65 | 31 | 48 | 17 | 0 | 0.03 |
| 22 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 23 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 24 | 63 | 30 | 47 | 18 | 0 | 0.03 |
| 25 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 26 | 62 | 29 | 46 | 19 | 0 | 0.02 |
| 27 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 28 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 29 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 30 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 31 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| MTH | 66.8 | 32.4 | 49.6 | 477 | 0 | 0.87 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 28 | 43 | 22 | 0 | 0.02 |
| 2 | 59 | 28 | 43 | 22 | 0 | 0.02 |
| 3 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 4 | 57 | 28 | 42 | 23 | 0 | 0.02 |
| 5 | 57 | 28 | 42 | 23 | 0 | 0.02 |
| 6 | 56 | 28 | 42 | 23 | 0 | 0.02 |
| 7 | 56 | 26 | 41 | 24 | 0 | 0.02 |
| 8 | 55 | 26 | 41 | 24 | 0 | 0.02 |
| 9 | 54 | 26 | 40 | 25 | 0 | 0.02 |
| 10 | 54 | 26 | 40 | 25 | 0 | 0.02 |
| 11 | 54 | 25 | 40 | 25 | 0 | 0.02 |
| 12 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 13 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 14 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 15 | 52 | 25 | 39 | 26 | 0 | 0.02 |
| 16 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 17 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 18 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 19 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 20 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 21 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 22 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 23 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 24 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 25 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 26 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 27 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 28 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 29 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 30 | 47 | 19 | 33 | 32 | 0 | 0.01 |
| MTH | 52.3 | 24.0 | 38.2 | 805 | 0 | 0.59 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MARYSVALE UTAH Station Number: 425477

Latitude: 38° 26* 58( Longitude: -112° 13* 45( Elevation (feet): 5910

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.00 | 0.03 | 0.02 | 0.03 | 0.01 | 0.01 | 0.00 | 3.59 |
| 0.010 | 0.00 | 0.01 | 0.02 | 0.03 | 0.03 | 0.00 | 0.04 | 0.04 | 0.05 | 0.02 | 0.02 | 0.00 | 3.91 |
| 0.050 | 0.02 | 0.05 | 0.08 | 0.08 | 0.10 | 0.00 | 0.12 | 0.12 | 0.12 | 0.07 | 0.06 | 0.00 | 4.90 |
| 0.100 | 0.06 | 0.09 | 0.13 | 0.13 | 0.16 | 0.00 | 0.18 | 0.19 | 0.19 | 0.12 | 0.10 | 0.05 | 5.49 |
| 0.200 | 0.14 | 0.16 | 0.23 | 0.22 | 0.26 | 0.06 | 0.29 | 0.33 | 0.31 | 0.24 | 0.18 | 0.13 | 6.26 |
| 0.300 | 0.22 | 0.23 | 0.34 | 0.30 | 0.37 | 0.14 | 0.40 | 0.47 | 0.42 | 0.36 | 0.26 | 0.20 | 6.87 |
| 0.400 | 0.32 | 0.31 | 0.45 | 0.39 | 0.48 | 0.22 | 0.51 | 0.62 | 0.53 | 0.49 | 0.35 | 0.27 | 7.41 |
| 0.500 | 0.43 | 0.41 | 0.58 | 0.49 | 0.60 | 0.31 | 0.63 | 0.78 | 0.66 | 0.65 | 0.45 | 0.35 | 7.95 |
| 0.600 | 0.56 | 0.52 | 0.73 | 0.61 | 0.74 | 0.42 | 0.76 | 0.98 | 0.80 | 0.83 | 0.57 | 0.44 | 8.51 |
| 0.700 | 0.72 | 0.65 | 0.92 | 0.75 | 0.92 | 0.55 | 0.93 | 1.22 | 0.98 | 1.06 | 0.72 | 0.55 | 9.14 |
| 0.800 | 0.95 | 0.84 | 1.18 | 0.94 | 1.15 | 0.73 | 1.16 | 1.54 | 1.22 | 1.38 | 0.92 | 0.70 | 9.91 |
| 0.900 | 1.34 | 1.16 | 1.61 | 1.25 | 1.54 | 1.03 | 1.52 | 2.08 | 1.60 | 1.92 | 1.26 | 0.95 | 11.06 |
| 0.950 | 1.72 | 1.47 | 2.03 | 1.56 | 1.91 | 1.33 | 1.87 | 2.60 | 1.97 | 2.46 | 1.59 | 1.18 | 12.07 |
| 0.990 | 2.60 | 2.18 | 2.98 | 2.24 | 2.76 | 2.01 | 2.66 | 3.77 | 2.79 | 3.68 | 2.34 | 1.72 | 14.11 |
| 0.995 | 2.97 | 2.48 | 3.39 | 2.53 | 3.11 | 2.30 | 2.99 | 4.27 | 3.14 | 4.20 | 2.66 | 1.95 | 14.91 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MINERSVILLE UTAH Station Number: 425723

Latitude: 38° 12* 59( Longitude: -112° 55* 16( Elevation (feet): 5280

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 0.81 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.85 |
| | | | | | | 2.55 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| MTH | | | | | | 0.89 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.05 |
| 7 | | | | | | 0.05 |
| 8 | | | | | | 0.05 |
| 9 | | | | | | 0.05 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.06 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.56 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| MTH | | | | | | 1.17 |
| | | | | | | 3.77 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 1.04 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MINERSVILLE UTAH Station Number: 425723

Latitude: 38 B 12 * 59 ( Longitude: -112 B 55 * 16 ( Elevation (feet): 5280

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.01 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| MTH | | | | | | 0.59 |
| | | | | | SUMMER SEASON: | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.10 |
| | | | | | | 3.15 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.05 |
| 7 | | | | | | 0.05 |
| 8 | | | | | | 0.05 |
| 9 | | | | | | 0.05 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.46 |

**SEPTEMBER**

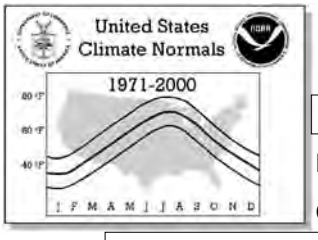
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| MTH | | | | | | 1.13 |
| | | | | | AUTUMN SEASON: | |
| | | | | | *ANNUAL:* | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.34 |
| | | | | | | 3.35 |
| | | | | | | 12.82 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| MTH | | | | | | 0.88 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MINERSVILLE UTAH Station Number: 425723

Latitude: 38° 12* 59( Longitude: -112° 55* 16( Elevation (feet): 5280

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 5.52 |
| 0.010 | 0.02 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 6.03 |
| 0.050 | 0.08 | 0.10 | 0.16 | 0.13 | 0.00 | 0.00 | 0.05 | 0.09 | 0.03 | 0.09 | 0.11 | 0.06 | 7.60 |
| 0.100 | 0.14 | 0.21 | 0.35 | 0.22 | 0.26 | 0.00 | 0.10 | 0.23 | 0.11 | 0.23 | 0.19 | 0.14 | 8.54 |
| 0.200 | 0.26 | 0.36 | 0.61 | 0.38 | 0.48 | 0.09 | 0.23 | 0.46 | 0.26 | 0.44 | 0.31 | 0.27 | 9.78 |
| 0.300 | 0.38 | 0.49 | 0.84 | 0.54 | 0.64 | 0.22 | 0.37 | 0.68 | 0.42 | 0.64 | 0.43 | 0.39 | 10.75 |
| 0.400 | 0.50 | 0.62 | 1.07 | 0.72 | 0.78 | 0.34 | 0.54 | 0.90 | 0.60 | 0.85 | 0.56 | 0.52 | 11.62 |
| 0.500 | 0.65 | 0.76 | 1.31 | 0.91 | 0.94 | 0.46 | 0.74 | 1.15 | 0.81 | 1.07 | 0.70 | 0.65 | 12.49 |
| 0.600 | 0.82 | 0.91 | 1.59 | 1.14 | 1.11 | 0.60 | 1.00 | 1.44 | 1.06 | 1.33 | 0.87 | 0.81 | 13.39 |
| 0.700 | 1.03 | 1.10 | 1.93 | 1.43 | 1.29 | 0.76 | 1.32 | 1.80 | 1.38 | 1.65 | 1.07 | 1.00 | 14.40 |
| 0.800 | 1.33 | 1.34 | 2.37 | 1.82 | 1.55 | 0.98 | 1.78 | 2.28 | 1.82 | 2.08 | 1.35 | 1.27 | 15.65 |
| 0.900 | 1.82 | 1.74 | 3.09 | 2.47 | 1.94 | 1.32 | 2.58 | 3.07 | 2.56 | 2.79 | 1.80 | 1.69 | 17.50 |
| 0.950 | 2.30 | 2.12 | 3.77 | 3.10 | 2.31 | 1.68 | 3.38 | 3.84 | 3.30 | 3.47 | 2.24 | 2.10 | 19.13 |
| 0.990 | 3.38 | 2.95 | 5.29 | 4.53 | 3.11 | 2.42 | 5.24 | 5.56 | 4.99 | 4.99 | 3.22 | 3.02 | 22.44 |
| 0.995 | 3.85 | 3.29 | 5.92 | 5.14 | 3.43 | 2.73 | 6.05 | 6.29 | 5.72 | 5.64 | 3.63 | 3.40 | 23.74 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MORONI UTAH Station Number: 425837

Latitude: 39° 31* 34 ( Longitude: -111° 35* 13 ( Elevation (feet): 5560

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 2 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 3 | 41 | 16 | 28 | 37 | 0 | 0.03 |
| 4 | 41 | 16 | 28 | 37 | 0 | 0.02 |
| 5 | 41 | 16 | 28 | 37 | 0 | 0.02 |
| 6 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 7 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 8 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 9 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 10 | 40 | 13 | 26 | 39 | 0 | 0.02 |
| 11 | 40 | 13 | 26 | 39 | 0 | 0.02 |
| 12 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 13 | 38 | 13 | 26 | 39 | 0 | 0.02 |
| 14 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 15 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 16 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 17 | 37 | 12 | 25 | 40 | 0 | 0.03 |
| 18 | 37 | 12 | 25 | 40 | 0 | 0.03 |
| 19 | 37 | 12 | 25 | 40 | 0 | 0.03 |
| 20 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 21 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 22 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 23 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 24 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 25 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 26 | 36 | 11 | 24 | 41 | 0 | 0.03 |
| 27 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 28 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 29 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 30 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 31 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| MTH | 37.8 | 13.0 | 25.4 | 1228 | 0 | 0.83 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 2 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 3 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 4 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 5 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 6 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 7 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 8 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 9 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 10 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 11 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 12 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 13 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 14 | 35 | 11 | 23 | 42 | 0 | 0.03 |
| 15 | 36 | 10 | 23 | 42 | 0 | 0.03 |
| 16 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 17 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 18 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 19 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 20 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 21 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 22 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 23 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 24 | 36 | 12 | 24 | 41 | 0 | 0.03 |
| 25 | 36 | 13 | 25 | 40 | 0 | 0.03 |
| 26 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 27 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 28 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 29 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 30 | 37 | 13 | 25 | 40 | 0 | 0.03 |
| 31 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| MTH | 35.8 | 11.7 | 23.8 | 1278 | 0 | 0.93 |
| | 38.3 | 13.9 | 26.1 | 3508 | 0 | 2.66 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 2 | 38 | 14 | 26 | 39 | 0 | 0.03 |
| 3 | 38 | 15 | 26 | 39 | 0 | 0.03 |
| 4 | 38 | 15 | 26 | 39 | 0 | 0.03 |
| 5 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 6 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 7 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 8 | 39 | 15 | 27 | 38 | 0 | 0.03 |
| 9 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 10 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 11 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 12 | 40 | 16 | 28 | 37 | 0 | 0.03 |
| 13 | 41 | 16 | 29 | 36 | 0 | 0.03 |
| 14 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 15 | 41 | 17 | 29 | 36 | 0 | 0.03 |
| 16 | 42 | 17 | 30 | 35 | 0 | 0.03 |
| 17 | 42 | 17 | 30 | 35 | 0 | 0.03 |
| 18 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 19 | 42 | 18 | 30 | 35 | 0 | 0.03 |
| 20 | 43 | 18 | 31 | 34 | 0 | 0.03 |
| 21 | 43 | 18 | 31 | 34 | 0 | 0.03 |
| 22 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 23 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 24 | 44 | 19 | 32 | 33 | 0 | 0.04 |
| 25 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 26 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 27 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| 28 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| MTH | 41.4 | 16.9 | 29.2 | 1002 | 0 | 0.90 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 21 | 33 | 32 | 0 | 0.03 |
| 2 | 47 | 21 | 34 | 31 | 0 | 0.03 |
| 3 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 4 | 47 | 22 | 34 | 31 | 0 | 0.04 |
| 5 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 6 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 7 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 8 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 9 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 10 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 11 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 12 | 50 | 23 | 37 | 28 | 0 | 0.03 |
| 13 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 14 | 50 | 24 | 37 | 28 | 0 | 0.03 |
| 15 | 51 | 24 | 38 | 27 | 0 | 0.03 |
| 16 | 51 | 24 | 38 | 27 | 0 | 0.03 |
| 17 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| 18 | 51 | 25 | 38 | 27 | 0 | 0.03 |
| 19 | 52 | 25 | 39 | 26 | 0 | 0.03 |
| 20 | 52 | 25 | 39 | 26 | 0 | 0.03 |
| 21 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 22 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 23 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 24 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 25 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 26 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 27 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 28 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 29 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 30 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 31 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| MTH | 51.0 | 24.1 | 37.6 | 849 | 0 | 0.97 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 27 | 41 | 24 | 0 | 0.03 |
| 2 | 56 | 27 | 41 | 24 | 0 | 0.03 |
| 3 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 4 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 5 | 57 | 28 | 42 | 23 | 0 | 0.03 |
| 6 | 57 | 28 | 42 | 23 | 0 | 0.02 |
| 7 | 57 | 28 | 42 | 23 | 0 | 0.02 |
| 8 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 9 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 10 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 11 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 12 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| 13 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| 14 | 59 | 29 | 44 | 21 | 0 | 0.02 |
| 15 | 59 | 29 | 44 | 21 | 0 | 0.02 |
| 16 | 59 | 29 | 44 | 21 | 0 | 0.02 |
| 17 | 60 | 29 | 45 | 20 | 0 | 0.02 |
| 18 | 60 | 29 | 45 | 20 | 0 | 0.02 |
| 19 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 20 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 21 | 61 | 30 | 46 | 19 | 0 | 0.02 |
| 22 | 61 | 30 | 46 | 19 | 0 | 0.02 |
| 23 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 24 | 62 | 30 | 46 | 19 | 0 | 0.02 |
| 25 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 26 | 62 | 31 | 47 | 18 | 0 | 0.02 |
| 27 | 63 | 31 | 47 | 18 | 0 | 0.03 |
| 28 | 63 | 31 | 47 | 18 | 0 | 0.03 |
| 29 | 63 | 32 | 48 | 17 | 0 | 0.03 |
| 30 | 64 | 32 | 48 | 17 | 0 | 0.03 |
| MTH | 59.6 | 29.1 | 44.4 | 618 | 0 | 0.69 |
| | 59.8 | 29.8 | 44.9 | 1854 | 3 | 2.52 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 64 | 33 | 48 | 17 | 0 | 0.02 |
| 2 | 64 | 33 | 48 | 17 | 0 | 0.03 |
| 3 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 4 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 5 | 65 | 33 | 49 | 16 | 0 | 0.03 |
| 6 | 65 | 34 | 50 | 15 | 0 | 0.03 |
| 7 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 8 | 66 | 34 | 50 | 15 | 0 | 0.03 |
| 9 | 66 | 35 | 51 | 14 | 0 | 0.03 |
| 10 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 11 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 12 | 67 | 35 | 51 | 14 | 0 | 0.03 |
| 13 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 14 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 15 | 68 | 36 | 52 | 13 | 0 | 0.03 |
| 16 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 17 | 69 | 37 | 53 | 12 | 0 | 0.03 |
| 18 | 69 | 37 | 53 | 12 | 0 | 0.03 |
| 19 | 69 | 37 | 53 | 12 | 0 | 0.03 |
| 20 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 21 | 70 | 38 | 54 | 11 | 0 | 0.03 |
| 22 | 70 | 38 | 54 | 11 | 0 | 0.03 |
| 23 | 71 | 38 | 55 | 10 | 0 | 0.03 |
| 24 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 25 | 72 | 38 | 55 | 10 | 0 | 0.03 |
| 26 | 72 | 39 | 56 | 9 | 0 | 0.02 |
| 27 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 28 | 73 | 39 | 56 | 9 | 0 | 0.02 |
| 29 | 74 | 39 | 57 | 9 | 1 | 0.02 |
| 30 | 74 | 39 | 57 | 9 | 1 | 0.02 |
| 31 | 74 | 40 | 57 | 9 | 1 | 0.02 |
| MTH | 68.8 | 36.3 | 52.6 | 387 | 3 | 0.86 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MORONI UTAH Station Number: 425837

Latitude: 39° 31* 34 ( Longitude: -111° 35* 13 ( Elevation (feet): 5560

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 2 | 75 | 40 | 57 | 8 | 0 | 0.02 |
| 3 | 76 | 41 | 58 | 8 | 1 | 0.02 |
| 4 | 76 | 41 | 58 | 8 | 1 | 0.02 |
| 5 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 6 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 7 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 8 | 77 | 41 | 59 | 7 | 1 | 0.02 |
| 9 | 78 | 41 | 59 | 7 | 1 | 0.02 |
| 10 | 78 | 41 | 60 | 6 | 1 | 0.02 |
| 11 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| 12 | 78 | 42 | 60 | 6 | 1 | 0.02 |
| 13 | 79 | 42 | 61 | 5 | 1 | 0.02 |
| 14 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 15 | 80 | 42 | 61 | 5 | 1 | 0.02 |
| 16 | 80 | 42 | 61 | 5 | 1 | 0.01 |
| 17 | 80 | 43 | 62 | 4 | 1 | 0.01 |
| 18 | 81 | 43 | 62 | 4 | 1 | 0.01 |
| 19 | 81 | 44 | 63 | 4 | 2 | 0.01 |
| 20 | 81 | 44 | 63 | 4 | 2 | 0.01 |
| 21 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 22 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 23 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 24 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 25 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 26 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 27 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 28 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 29 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 30 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| MTH | 79.8 | 42.8 | 61.3 | 154 | 42 | 0.54 |
| | | | | | SUMMER SEASON: | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 85 | 48 | 66 | 2 | 3 | 0.02 |
| 2 | 85 | 48 | 66 | 2 | 3 | 0.02 |
| 3 | 85 | 48 | 66 | 2 | 3 | 0.02 |
| 4 | 85 | 48 | 66 | 2 | 3 | 0.02 |
| 5 | 85 | 48 | 67 | 2 | 4 | 0.02 |
| 6 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 7 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 8 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 9 | 86 | 49 | 68 | 1 | 4 | 0.02 |
| 10 | 86 | 49 | 68 | 1 | 4 | 0.02 |
| 11 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 12 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 13 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 14 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 15 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 16 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 17 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 18 | 87 | 50 | 69 | 0 | 4 | 0.02 |
| 19 | 87 | 50 | 69 | 0 | 4 | 0.02 |
| 20 | 87 | 50 | 69 | 0 | 4 | 0.02 |
| 21 | 87 | 50 | 69 | 0 | 4 | 0.03 |
| 22 | 88 | 50 | 69 | 0 | 4 | 0.03 |
| 23 | 88 | 50 | 69 | 0 | 4 | 0.03 |
| 24 | 88 | 50 | 69 | 0 | 4 | 0.03 |
| 25 | 88 | 50 | 69 | 0 | 4 | 0.03 |
| 26 | 88 | 50 | 69 | 0 | 4 | 0.03 |
| 27 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| 28 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| 29 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| 30 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| 31 | 87 | 51 | 69 | 0 | 4 | 0.03 |
| MTH | 86.7 | 49.4 | 68.1 | 25 | 120 | 0.73 |
| | 83.8 | 46.9 | 65.4 | 228 | 266 | 2.08 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 51 | 69 | 0 | 4 | 0.02 |
| 2 | 87 | 50 | 69 | 0 | 4 | 0.02 |
| 3 | 87 | 50 | 69 | 0 | 4 | 0.02 |
| 4 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 5 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 6 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 7 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 8 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 9 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 10 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 11 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 12 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 13 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 14 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 15 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 16 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 17 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 18 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 19 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 20 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 21 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 22 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 23 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 24 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 25 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 26 | 83 | 47 | 65 | 3 | 3 | 0.03 |
| 27 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 28 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 29 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 30 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 31 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| MTH | 84.9 | 48.6 | 66.8 | 49 | 104 | 0.81 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 2 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 3 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 4 | 81 | 44 | 63 | 4 | 2 | 0.03 |
| 5 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 6 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 7 | 80 | 43 | 62 | 4 | 1 | 0.03 |
| 8 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 9 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 10 | 79 | 42 | 61 | 5 | 1 | 0.03 |
| 11 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 12 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 13 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 14 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 15 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 16 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 17 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 18 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 19 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 20 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 21 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 22 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 23 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 24 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 25 | 74 | 38 | 56 | 9 | 0 | 0.03 |
| 26 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 27 | 73 | 37 | 55 | 10 | 0 | 0.03 |
| 28 | 73 | 37 | 55 | 10 | 0 | 0.04 |
| 29 | 72 | 36 | 54 | 11 | 0 | 0.04 |
| 30 | 72 | 36 | 54 | 11 | 0 | 0.04 |
| MTH | 76.8 | 40.7 | 58.8 | 206 | 20 | 0.93 |
| | | | | | AUTUMN SEASON: | |
| | | | | | *ANNUAL:* | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 72 | 36 | 54 | 11 | 0 | 0.03 |
| 2 | 71 | 36 | 53 | 12 | 0 | 0.03 |
| 3 | 71 | 36 | 53 | 12 | 0 | 0.03 |
| 4 | 71 | 35 | 53 | 12 | 0 | 0.03 |
| 5 | 71 | 34 | 52 | 13 | 0 | 0.03 |
| 6 | 69 | 34 | 52 | 13 | 0 | 0.04 |
| 7 | 68 | 34 | 51 | 14 | 0 | 0.04 |
| 8 | 68 | 34 | 51 | 14 | 0 | 0.04 |
| 9 | 68 | 33 | 51 | 14 | 0 | 0.04 |
| 10 | 67 | 33 | 50 | 15 | 0 | 0.04 |
| 11 | 67 | 33 | 50 | 15 | 0 | 0.04 |
| 12 | 66 | 32 | 49 | 16 | 0 | 0.04 |
| 13 | 66 | 32 | 49 | 16 | 0 | 0.04 |
| 14 | 66 | 32 | 49 | 16 | 0 | 0.04 |
| 15 | 65 | 31 | 48 | 17 | 0 | 0.04 |
| 16 | 65 | 31 | 48 | 17 | 0 | 0.04 |
| 17 | 64 | 30 | 47 | 18 | 0 | 0.04 |
| 18 | 64 | 30 | 47 | 18 | 0 | 0.04 |
| 19 | 63 | 30 | 47 | 18 | 0 | 0.04 |
| 20 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 21 | 62 | 29 | 46 | 19 | 0 | 0.03 |
| 22 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 23 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 24 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 25 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 26 | 59 | 28 | 44 | 21 | 0 | 0.03 |
| 27 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 28 | 58 | 27 | 43 | 22 | 0 | 0.03 |
| 29 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 30 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 31 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| MTH | 64.4 | 31.0 | 47.7 | 536 | 0 | 1.07 |
| | 63.1 | 31.1 | 47.1 | 1648 | 20 | 2.86 |
| | 61.2 | 30.4 | 45.9 | 7238 | 289 | 10.12 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 2 | 55 | 26 | 40 | 25 | 0 | 0.03 |
| 3 | 55 | 26 | 40 | 25 | 0 | 0.03 |
| 4 | 55 | 25 | 40 | 25 | 0 | 0.03 |
| 5 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 6 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 7 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 8 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 9 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 10 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 11 | 50 | 23 | 36 | 29 | 0 | 0.03 |
| 12 | 49 | 23 | 36 | 29 | 0 | 0.03 |
| 13 | 49 | 22 | 36 | 29 | 0 | 0.03 |
| 14 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 15 | 48 | 22 | 35 | 30 | 0 | 0.03 |
| 16 | 47 | 21 | 34 | 31 | 0 | 0.03 |
| 17 | 47 | 21 | 34 | 31 | 0 | 0.03 |
| 18 | 47 | 21 | 34 | 31 | 0 | 0.03 |
| 19 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 20 | 46 | 20 | 33 | 32 | 0 | 0.03 |
| 21 | 45 | 20 | 33 | 32 | 0 | 0.03 |
| 22 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 23 | 44 | 19 | 32 | 33 | 0 | 0.03 |
| 24 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 25 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 26 | 43 | 18 | 31 | 34 | 0 | 0.03 |
| 27 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 28 | 42 | 18 | 30 | 35 | 0 | 0.02 |
| 29 | 42 | 17 | 30 | 35 | 0 | 0.02 |
| 30 | 41 | 17 | 29 | 36 | 0 | 0.02 |
| MTH | 48.1 | 21.5 | 34.8 | 906 | 0 | 0.86 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: MORONI UTAH Station Number: 425837

Latitude: 39° 31* 34( Longitude: -111° 35* 13( Elevation (feet): 5560

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.02 | 0.02 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 0.01 | 0.00 | 3.46 |
| 0.010 | 0.03 | 0.03 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.02 | 0.00 | 0.04 | 0.01 | 0.00 | 3.88 |
| 0.050 | 0.10 | 0.10 | 0.04 | 0.00 | 0.17 | 0.00 | 0.04 | 0.08 | 0.00 | 0.13 | 0.06 | 0.08 | 5.22 |
| 0.100 | 0.17 | 0.17 | 0.12 | 0.03 | 0.25 | 0.00 | 0.11 | 0.13 | 0.08 | 0.22 | 0.11 | 0.18 | 6.06 |
| 0.200 | 0.30 | 0.30 | 0.26 | 0.13 | 0.37 | 0.04 | 0.22 | 0.24 | 0.23 | 0.37 | 0.22 | 0.32 | 7.19 |
| 0.300 | 0.43 | 0.42 | 0.40 | 0.23 | 0.49 | 0.13 | 0.33 | 0.35 | 0.38 | 0.52 | 0.34 | 0.44 | 8.09 |
| 0.400 | 0.56 | 0.56 | 0.56 | 0.34 | 0.61 | 0.22 | 0.44 | 0.48 | 0.53 | 0.67 | 0.47 | 0.56 | 8.91 |
| 0.500 | 0.72 | 0.70 | 0.73 | 0.48 | 0.73 | 0.33 | 0.57 | 0.62 | 0.71 | 0.85 | 0.62 | 0.69 | 9.74 |
| 0.600 | 0.90 | 0.88 | 0.94 | 0.64 | 0.87 | 0.47 | 0.72 | 0.78 | 0.91 | 1.05 | 0.81 | 0.84 | 10.61 |
| 0.700 | 1.13 | 1.10 | 1.19 | 0.85 | 1.04 | 0.66 | 0.90 | 0.99 | 1.15 | 1.30 | 1.05 | 1.02 | 11.59 |
| 0.800 | 1.45 | 1.39 | 1.55 | 1.14 | 1.27 | 0.92 | 1.16 | 1.27 | 1.49 | 1.64 | 1.38 | 1.26 | 12.83 |
| 0.900 | 1.96 | 1.88 | 2.13 | 1.63 | 1.63 | 1.36 | 1.57 | 1.74 | 2.05 | 2.20 | 1.94 | 1.65 | 14.67 |
| 0.950 | 2.47 | 2.36 | 2.71 | 2.13 | 1.98 | 1.81 | 1.98 | 2.20 | 2.60 | 2.74 | 2.50 | 2.02 | 16.31 |
| 0.990 | 3.61 | 3.44 | 4.02 | 3.27 | 2.74 | 2.85 | 2.89 | 3.25 | 3.84 | 3.97 | 3.78 | 2.85 | 19.71 |
| 0.995 | 4.09 | 3.90 | 4.58 | 3.76 | 3.05 | 3.30 | 3.28 | 3.70 | 4.37 | 4.48 | 4.33 | 3.19 | 21.06 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEPHI UTAH Station Number: 426135

Latitude: 39° 42* 45( Longitude: -111° 49* 56( Elevation (feet): 5125

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 2 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 3 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 4 | 44 | 21 | 32 | 33 | 0 | 0.04 |
| 5 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 6 | 43 | 20 | 32 | 33 | 0 | 0.04 |
| 7 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 8 | 42 | 20 | 31 | 34 | 0 | 0.04 |
| 9 | 42 | 19 | 31 | 34 | 0 | 0.04 |
| 10 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 11 | 41 | 19 | 30 | 35 | 0 | 0.04 |
| 12 | 41 | 19 | 30 | 35 | 0 | 0.03 |
| 13 | 41 | 18 | 30 | 35 | 0 | 0.03 |
| 14 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 15 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 16 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 17 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 18 | 40 | 18 | 29 | 36 | 0 | 0.03 |
| 19 | 40 | 17 | 29 | 36 | 0 | 0.03 |
| 20 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 21 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 22 | 39 | 17 | 28 | 37 | 0 | 0.03 |
| 23 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 24 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 25 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 26 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 27 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 28 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 29 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 30 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 31 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| MTH | 40.8 | 18.4 | 29.6 | 1097 | 0 | 1.13 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 2 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 3 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 4 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 5 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 6 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 7 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 8 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 9 | 39 | 17 | 28 | 37 | 0 | 0.04 |
| 10 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 11 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 12 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 13 | 40 | 17 | 28 | 37 | 0 | 0.04 |
| 14 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 15 | 40 | 17 | 29 | 36 | 0 | 0.04 |
| 16 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 17 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 18 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 19 | 40 | 18 | 29 | 36 | 0 | 0.04 |
| 20 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 21 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 22 | 40 | 18 | 29 | 36 | 0 | 0.05 |
| 23 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 24 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 25 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 26 | 41 | 18 | 30 | 35 | 0 | 0.05 |
| 27 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 28 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 29 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 30 | 42 | 18 | 30 | 35 | 0 | 0.05 |
| 31 | 42 | 19 | 31 | 34 | 0 | 0.05 |
| MTH | 40.2 | 17.6 | 28.9 | 1119 | 0 | 1.36 |
| | 42.3 | 19.1 | 30.8 | 3090 | 0 | 3.85 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 2 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 3 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 4 | 43 | 20 | 31 | 34 | 0 | 0.04 |
| 5 | 43 | 20 | 31 | 34 | 0 | 0.05 |
| 6 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 7 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 8 | 44 | 20 | 32 | 33 | 0 | 0.05 |
| 9 | 45 | 20 | 32 | 33 | 0 | 0.05 |
| 10 | 45 | 20 | 33 | 32 | 0 | 0.05 |
| 11 | 45 | 21 | 33 | 32 | 0 | 0.05 |
| 12 | 45 | 21 | 33 | 32 | 0 | 0.05 |
| 13 | 45 | 21 | 33 | 32 | 0 | 0.05 |
| 14 | 45 | 21 | 33 | 32 | 0 | 0.05 |
| 15 | 46 | 21 | 34 | 31 | 0 | 0.05 |
| 16 | 46 | 22 | 34 | 31 | 0 | 0.05 |
| 17 | 46 | 22 | 34 | 31 | 0 | 0.05 |
| 18 | 47 | 22 | 35 | 30 | 0 | 0.05 |
| 19 | 47 | 22 | 35 | 30 | 0 | 0.05 |
| 20 | 47 | 23 | 35 | 30 | 0 | 0.05 |
| 21 | 47 | 23 | 35 | 30 | 0 | 0.05 |
| 22 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 23 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 24 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 25 | 49 | 24 | 37 | 28 | 0 | 0.05 |
| 26 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 27 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 28 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| MTH | 46.0 | 21.5 | 33.8 | 874 | 0 | 1.36 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 2 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 3 | 51 | 26 | 38 | 27 | 0 | 0.05 |
| 4 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 5 | 53 | 26 | 39 | 26 | 0 | 0.05 |
| 6 | 53 | 26 | 39 | 26 | 0 | 0.05 |
| 7 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 8 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 9 | 53 | 27 | 40 | 25 | 0 | 0.06 |
| 10 | 54 | 27 | 41 | 24 | 0 | 0.06 |
| 11 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 12 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 13 | 54 | 28 | 41 | 24 | 0 | 0.06 |
| 14 | 55 | 28 | 42 | 23 | 0 | 0.06 |
| 15 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 16 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 17 | 56 | 29 | 43 | 22 | 0 | 0.06 |
| 18 | 56 | 29 | 43 | 22 | 0 | 0.06 |
| 19 | 57 | 29 | 43 | 22 | 0 | 0.06 |
| 20 | 57 | 29 | 43 | 22 | 0 | 0.06 |
| 21 | 57 | 30 | 44 | 21 | 0 | 0.06 |
| 22 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 23 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 24 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 25 | 58 | 30 | 44 | 21 | 0 | 0.06 |
| 26 | 59 | 31 | 45 | 20 | 0 | 0.06 |
| 27 | 59 | 31 | 45 | 20 | 0 | 0.06 |
| 28 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 29 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 30 | 60 | 31 | 46 | 19 | 0 | 0.05 |
| 31 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| MTH | 55.6 | 28.6 | 42.1 | 710 | 0 | 1.76 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 61 | 32 | 46 | 19 | 0 | 0.06 |
| 2 | 61 | 32 | 46 | 19 | 0 | 0.06 |
| 3 | 61 | 32 | 46 | 19 | 0 | 0.06 |
| 4 | 62 | 32 | 47 | 18 | 0 | 0.06 |
| 5 | 62 | 32 | 47 | 18 | 0 | 0.06 |
| 6 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 7 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 8 | 62 | 32 | 47 | 18 | 0 | 0.05 |
| 9 | 62 | 33 | 48 | 17 | 0 | 0.05 |
| 10 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 11 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 12 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 13 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 14 | 64 | 34 | 49 | 17 | 1 | 0.05 |
| 15 | 64 | 34 | 49 | 17 | 1 | 0.05 |
| 16 | 64 | 35 | 50 | 16 | 1 | 0.05 |
| 17 | 64 | 35 | 50 | 16 | 1 | 0.05 |
| 18 | 65 | 35 | 50 | 16 | 1 | 0.05 |
| 19 | 65 | 35 | 50 | 16 | 1 | 0.05 |
| 20 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 21 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 22 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 23 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 24 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 25 | 67 | 36 | 52 | 13 | 0 | 0.05 |
| 26 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 27 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 28 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 29 | 68 | 37 | 53 | 12 | 0 | 0.06 |
| 30 | 68 | 38 | 53 | 12 | 0 | 0.06 |
| MTH | 64.2 | 34.3 | 49.3 | 478 | 6 | 1.57 |
| | 64.4 | 35.0 | 49.8 | 1434 | 31 | 4.90 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 69 | 38 | 53 | 12 | 0 | 0.05 |
| 2 | 69 | 39 | 54 | 11 | 0 | 0.05 |
| 3 | 70 | 39 | 54 | 11 | 0 | 0.05 |
| 4 | 70 | 39 | 54 | 11 | 0 | 0.06 |
| 5 | 70 | 39 | 54 | 11 | 0 | 0.06 |
| 6 | 70 | 39 | 55 | 10 | 0 | 0.06 |
| 7 | 70 | 40 | 55 | 10 | 0 | 0.06 |
| 8 | 70 | 40 | 55 | 10 | 0 | 0.06 |
| 9 | 71 | 40 | 56 | 9 | 0 | 0.06 |
| 10 | 71 | 41 | 56 | 9 | 0 | 0.06 |
| 11 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 12 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 13 | 72 | 41 | 56 | 9 | 0 | 0.05 |
| 14 | 73 | 41 | 57 | 9 | 1 | 0.05 |
| 15 | 73 | 42 | 58 | 8 | 1 | 0.05 |
| 16 | 73 | 42 | 58 | 8 | 1 | 0.05 |
| 17 | 74 | 42 | 58 | 8 | 1 | 0.05 |
| 18 | 74 | 43 | 59 | 7 | 1 | 0.05 |
| 19 | 75 | 43 | 59 | 7 | 1 | 0.05 |
| 20 | 75 | 43 | 59 | 7 | 1 | 0.05 |
| 21 | 75 | 44 | 60 | 7 | 2 | 0.05 |
| 22 | 76 | 44 | 60 | 6 | 1 | 0.05 |
| 23 | 76 | 44 | 60 | 6 | 1 | 0.05 |
| 24 | 76 | 44 | 60 | 6 | 1 | 0.05 |
| 25 | 76 | 44 | 60 | 6 | 1 | 0.05 |
| 26 | 77 | 45 | 61 | 6 | 2 | 0.05 |
| 27 | 78 | 45 | 62 | 5 | 2 | 0.04 |
| 28 | 78 | 45 | 62 | 5 | 2 | 0.04 |
| 29 | 79 | 45 | 62 | 5 | 2 | 0.04 |
| 30 | 79 | 45 | 62 | 5 | 2 | 0.04 |
| 31 | 79 | 46 | 63 | 4 | 2 | 0.04 |
| MTH | 73.6 | 42.1 | 57.9 | 246 | 25 | 1.57 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEPHI UTAH Station Number: 426135

Latitude: 39° 42* 45( Longitude: -111° 49* 56( Elevation (feet): 5125

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 80 | 47 | 63 | 4 | 2 | 0.04 |
| 2 | 80 | 47 | 63 | 4 | 2 | 0.04 |
| 3 | 81 | 47 | 64 | 4 | 3 | 0.04 |
| 4 | 81 | 47 | 64 | 4 | 3 | 0.04 |
| 5 | 82 | 47 | 64 | 4 | 3 | 0.03 |
| 6 | 82 | 47 | 65 | 3 | 3 | 0.03 |
| 7 | 82 | 48 | 65 | 3 | 3 | 0.03 |
| 8 | 82 | 48 | 65 | 3 | 3 | 0.03 |
| 9 | 83 | 48 | 66 | 3 | 4 | 0.03 |
| 10 | 83 | 49 | 66 | 3 | 4 | 0.03 |
| 11 | 83 | 49 | 66 | 3 | 4 | 0.03 |
| 12 | 84 | 49 | 67 | 2 | 4 | 0.03 |
| 13 | 85 | 49 | 67 | 2 | 4 | 0.03 |
| 14 | 85 | 49 | 67 | 2 | 4 | 0.03 |
| 15 | 85 | 50 | 68 | 2 | 5 | 0.03 |
| 16 | 86 | 50 | 68 | 2 | 5 | 0.03 |
| 17 | 86 | 50 | 68 | 2 | 5 | 0.03 |
| 18 | 86 | 50 | 68 | 2 | 5 | 0.03 |
| 19 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 20 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| 21 | 87 | 52 | 70 | 1 | 6 | 0.02 |
| 22 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 23 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 24 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 25 | 88 | 52 | 70 | 1 | 6 | 0.02 |
| 26 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 27 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 28 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 29 | 89 | 53 | 71 | 1 | 7 | 0.02 |
| 30 | 90 | 54 | 72 | 1 | 8 | 0.02 |
| MTH | 85.2 | 50.0 | 67.6 | 64 | 142 | 0.82 |
| | | | | SUMMER SEASON: | | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 55 | 72 | 1 | 8 | 0.02 |
| 2 | 90 | 55 | 72 | 1 | 8 | 0.02 |
| 3 | 90 | 56 | 73 | 0 | 8 | 0.02 |
| 4 | 91 | 56 | 73 | 0 | 8 | 0.02 |
| 5 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 6 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 7 | 91 | 56 | 74 | 0 | 9 | 0.02 |
| 8 | 92 | 57 | 74 | 0 | 9 | 0.02 |
| 9 | 92 | 57 | 74 | 0 | 9 | 0.03 |
| 10 | 92 | 57 | 74 | 0 | 9 | 0.03 |
| 11 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 12 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 13 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 14 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 15 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 16 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 17 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 18 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 19 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 20 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 21 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 22 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 23 | 93 | 57 | 75 | 0 | 10 | 0.03 |
| 24 | 93 | 58 | 76 | 0 | 11 | 0.03 |
| 25 | 93 | 58 | 76 | 0 | 11 | 0.03 |
| 26 | 93 | 58 | 76 | 0 | 11 | 0.03 |
| 27 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 28 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 29 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 30 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 31 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| MTH | 92.2 | 57.0 | 74.6 | 2 | 299 | 0.85 |
| | 89.2 | 54.3 | 71.8 | 69 | 699 | 2.67 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 2 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 3 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 4 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 5 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 6 | 93 | 58 | 75 | 0 | 10 | 0.03 |
| 7 | 92 | 58 | 75 | 0 | 10 | 0.03 |
| 8 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 9 | 92 | 57 | 75 | 0 | 10 | 0.03 |
| 10 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 11 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 12 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 13 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 14 | 91 | 57 | 74 | 0 | 9 | 0.03 |
| 15 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 16 | 91 | 56 | 74 | 0 | 9 | 0.03 |
| 17 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 18 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 19 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 20 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 21 | 89 | 56 | 73 | 0 | 8 | 0.03 |
| 22 | 89 | 56 | 73 | 0 | 8 | 0.03 |
| 23 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 24 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 25 | 89 | 54 | 72 | 0 | 7 | 0.04 |
| 26 | 89 | 54 | 72 | 0 | 7 | 0.04 |
| 27 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 28 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 29 | 87 | 53 | 70 | 1 | 6 | 0.04 |
| 30 | 87 | 53 | 70 | 1 | 6 | 0.04 |
| 31 | 86 | 52 | 69 | 1 | 5 | 0.04 |
| MTH | 90.4 | 56.0 | 73.2 | 3 | 258 | 1.00 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 52 | 69 | 1 | 5 | 0.03 |
| 2 | 86 | 52 | 69 | 1 | 5 | 0.03 |
| 3 | 86 | 52 | 69 | 1 | 5 | 0.03 |
| 4 | 86 | 52 | 69 | 1 | 5 | 0.03 |
| 5 | 85 | 52 | 68 | 1 | 4 | 0.04 |
| 6 | 85 | 52 | 68 | 1 | 4 | 0.04 |
| 7 | 84 | 52 | 68 | 2 | 5 | 0.04 |
| 8 | 84 | 51 | 67 | 2 | 4 | 0.04 |
| 9 | 83 | 50 | 66 | 2 | 3 | 0.04 |
| 10 | 83 | 50 | 66 | 2 | 3 | 0.04 |
| 11 | 83 | 50 | 66 | 2 | 3 | 0.04 |
| 12 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 13 | 82 | 48 | 65 | 3 | 3 | 0.04 |
| 14 | 82 | 48 | 65 | 3 | 3 | 0.04 |
| 15 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 16 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 17 | 81 | 47 | 64 | 3 | 2 | 0.04 |
| 18 | 80 | 47 | 64 | 3 | 2 | 0.04 |
| 19 | 80 | 46 | 63 | 4 | 2 | 0.04 |
| 20 | 79 | 46 | 63 | 4 | 2 | 0.04 |
| 21 | 79 | 46 | 63 | 4 | 2 | 0.04 |
| 22 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 23 | 78 | 45 | 62 | 4 | 1 | 0.04 |
| 24 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 25 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 26 | 77 | 44 | 61 | 5 | 1 | 0.04 |
| 27 | 77 | 43 | 60 | 6 | 1 | 0.04 |
| 28 | 76 | 43 | 60 | 6 | 1 | 0.04 |
| 29 | 75 | 43 | 59 | 7 | 1 | 0.04 |
| 30 | 75 | 43 | 59 | 7 | 1 | 0.04 |
| MTH | 81.1 | 47.7 | 64.4 | 97 | 78 | 1.16 |
| | | | | AUTUMN SEASON: | | |
| | | | | *ANNUAL:* | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 43 | 59 | 7 | 1 | 0.05 |
| 2 | 75 | 42 | 58 | 8 | 1 | 0.05 |
| 3 | 75 | 42 | 58 | 8 | 1 | 0.05 |
| 4 | 74 | 41 | 57 | 9 | 1 | 0.05 |
| 5 | 74 | 41 | 57 | 9 | 1 | 0.05 |
| 6 | 73 | 40 | 57 | 9 | 1 | 0.05 |
| 7 | 72 | 40 | 56 | 9 | 0 | 0.05 |
| 8 | 72 | 40 | 56 | 9 | * | 0.05 |
| 9 | 71 | 40 | 56 | 10 | * | 0.05 |
| 10 | 71 | 39 | 55 | 10 | * | 0.05 |
| 11 | 71 | 39 | 55 | 10 | * | 0.05 |
| 12 | 70 | 39 | 55 | 11 | * | 0.05 |
| 13 | 70 | 38 | 54 | 11 | * | 0.05 |
| 14 | 69 | 37 | 53 | 12 | * | 0.05 |
| 15 | 69 | 37 | 53 | 12 | * | 0.05 |
| 16 | 68 | 36 | 52 | 13 | * | 0.05 |
| 17 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 18 | 67 | 36 | 52 | 13 | 0 | 0.05 |
| 19 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 20 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 21 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 22 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 23 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 24 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 25 | 63 | 34 | 49 | 16 | 0 | 0.05 |
| 26 | 63 | 33 | 48 | 17 | 0 | 0.05 |
| 27 | 62 | 33 | 48 | 17 | 0 | 0.05 |
| 28 | 61 | 33 | 47 | 18 | 0 | 0.05 |
| 29 | 61 | 33 | 47 | 18 | 0 | 0.05 |
| 30 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| 31 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| MTH | 67.9 | 37.0 | 52.5 | 397 | 8 | 1.55 |
| | 66.9 | 37.2 | 52.1 | 1262 | 86 | 4.12 |
| | 65.7 | 36.4 | 51.1 | 5855 | 816 | 15.54 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| 2 | 59 | 32 | 45 | 20 | 0 | 0.05 |
| 3 | 58 | 32 | 45 | 20 | 0 | 0.05 |
| 4 | 57 | 32 | 44 | 21 | 0 | 0.05 |
| 5 | 57 | 32 | 44 | 21 | 0 | 0.05 |
| 6 | 56 | 31 | 43 | 22 | 0 | 0.05 |
| 7 | 56 | 31 | 43 | 22 | 0 | 0.05 |
| 8 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 9 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 10 | 54 | 29 | 42 | 23 | 0 | 0.05 |
| 11 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 12 | 53 | 28 | 41 | 24 | 0 | 0.05 |
| 13 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 14 | 52 | 28 | 40 | 25 | 0 | 0.05 |
| 15 | 52 | 27 | 40 | 25 | 0 | 0.05 |
| 16 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 17 | 51 | 27 | 39 | 26 | 0 | 0.05 |
| 18 | 50 | 26 | 38 | 27 | 0 | 0.05 |
| 19 | 50 | 26 | 38 | 27 | 0 | 0.05 |
| 20 | 49 | 25 | 37 | 28 | 0 | 0.05 |
| 21 | 49 | 25 | 37 | 28 | 0 | 0.05 |
| 22 | 48 | 25 | 37 | 28 | 0 | 0.04 |
| 23 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 24 | 48 | 24 | 36 | 29 | 0 | 0.04 |
| 25 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 26 | 47 | 23 | 35 | 30 | 0 | 0.04 |
| 27 | 46 | 23 | 35 | 30 | 0 | 0.04 |
| 28 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 29 | 45 | 22 | 34 | 31 | 0 | 0.04 |
| 30 | 45 | 22 | 34 | 31 | 0 | 0.04 |
| MTH | 51.7 | 27.1 | 39.4 | 768 | 0 | 1.41 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEPHI UTAH Station Number: 426135

Latitude: 39° 42* 45( Longitude: -111° 49* 56( Elevation (feet): 5125

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.07 | 0.11 | 0.10 | 0.07 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.09 | 0.07 | 6.89 |
| 0.010 | 0.11 | 0.14 | 0.14 | 0.11 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 | 0.09 | 7.50 |
| 0.050 | 0.25 | 0.30 | 0.32 | 0.27 | 0.34 | 0.00 | 0.00 | 0.16 | 0.04 | 0.21 | 0.29 | 0.22 | 9.37 |
| 0.100 | 0.37 | 0.43 | 0.48 | 0.40 | 0.48 | 0.02 | 0.10 | 0.30 | 0.12 | 0.33 | 0.41 | 0.32 | 10.49 |
| 0.200 | 0.57 | 0.63 | 0.74 | 0.63 | 0.71 | 0.10 | 0.25 | 0.47 | 0.28 | 0.55 | 0.62 | 0.48 | 11.97 |
| 0.300 | 0.75 | 0.81 | 0.98 | 0.85 | 0.92 | 0.21 | 0.39 | 0.60 | 0.45 | 0.77 | 0.81 | 0.64 | 13.11 |
| 0.400 | 0.94 | 0.99 | 1.22 | 1.07 | 1.13 | 0.34 | 0.52 | 0.74 | 0.64 | 1.00 | 1.00 | 0.79 | 14.15 |
| 0.500 | 1.15 | 1.18 | 1.49 | 1.31 | 1.35 | 0.50 | 0.67 | 0.88 | 0.85 | 1.25 | 1.20 | 0.96 | 15.17 |
| 0.600 | 1.38 | 1.39 | 1.79 | 1.58 | 1.61 | 0.70 | 0.85 | 1.04 | 1.10 | 1.54 | 1.43 | 1.15 | 16.23 |
| 0.700 | 1.66 | 1.65 | 2.15 | 1.91 | 1.91 | 0.97 | 1.06 | 1.22 | 1.42 | 1.90 | 1.71 | 1.38 | 17.42 |
| 0.800 | 2.03 | 1.99 | 2.63 | 2.36 | 2.31 | 1.36 | 1.34 | 1.47 | 1.87 | 2.38 | 2.08 | 1.68 | 18.89 |
| 0.900 | 2.63 | 2.53 | 3.41 | 3.08 | 2.95 | 2.03 | 1.81 | 1.85 | 2.62 | 3.18 | 2.66 | 2.17 | 21.06 |
| 0.950 | 3.21 | 3.04 | 4.15 | 3.76 | 3.55 | 2.71 | 2.26 | 2.21 | 3.36 | 3.94 | 3.22 | 2.63 | 22.96 |
| 0.990 | 4.47 | 4.16 | 5.78 | 5.29 | 4.88 | 4.31 | 3.27 | 2.99 | 5.05 | 5.66 | 4.45 | 3.65 | 26.83 |
| 0.995 | 5.00 | 4.63 | 6.47 | 5.93 | 5.43 | 5.00 | 3.70 | 3.31 | 5.77 | 6.39 | 4.95 | 4.08 | 28.35 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEW HARMONY UTAH Station Number: 426181

Latitude: 37° 29* 04 ( Longitude: -113° 18* 47 ( Elevation (feet): 5265

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 48 | 23 | 35 | 30 | 0 | 0.04 |
| 2 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 3 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 4 | 48 | 22 | 35 | 30 | 0 | 0.04 |
| 5 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 6 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 7 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 8 | 46 | 22 | 34 | 31 | 0 | 0.04 |
| 9 | 46 | 21 | 34 | 31 | 0 | 0.04 |
| 10 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 11 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 12 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 13 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 14 | 45 | 21 | 33 | 32 | 0 | 0.04 |
| 15 | 45 | 20 | 33 | 32 | 0 | 0.04 |
| 16 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 17 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 18 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 19 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 20 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 21 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 22 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 23 | 44 | 20 | 32 | 33 | 0 | 0.04 |
| 24 | 43 | 20 | 32 | 33 | 0 | 0.04 |
| 25 | 43 | 20 | 32 | 33 | 0 | 0.04 |
| 26 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 27 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 28 | 43 | 19 | 31 | 34 | 0 | 0.04 |
| 29 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 30 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 31 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| MTH | 44.8 | 20.6 | 32.7 | 1001 | 0 | 1.27 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 2 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 3 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 4 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 5 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 6 | 43 | 19 | 31 | 34 | 0 | 0.05 |
| 7 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 8 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 9 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 10 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 11 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 12 | 43 | 20 | 31 | 34 | 0 | 0.06 |
| 13 | 43 | 20 | 32 | 33 | 0 | 0.06 |
| 14 | 43 | 20 | 32 | 33 | 0 | 0.06 |
| 15 | 43 | 20 | 32 | 33 | 0 | 0.06 |
| 16 | 43 | 20 | 32 | 33 | 0 | 0.07 |
| 17 | 43 | 20 | 32 | 33 | 0 | 0.07 |
| 18 | 43 | 20 | 32 | 33 | 0 | 0.07 |
| 19 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 20 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 21 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 22 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 23 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 24 | 44 | 20 | 32 | 33 | 0 | 0.07 |
| 25 | 44 | 21 | 33 | 32 | 0 | 0.07 |
| 26 | 45 | 21 | 33 | 32 | 0 | 0.08 |
| 27 | 45 | 21 | 33 | 32 | 0 | 0.08 |
| 28 | 45 | 21 | 33 | 32 | 0 | 0.08 |
| 29 | 45 | 21 | 33 | 32 | 0 | 0.08 |
| 30 | 45 | 21 | 33 | 32 | 0 | 0.08 |
| 31 | 45 | 22 | 34 | 31 | 0 | 0.08 |
| MTH | 43.6 | 20.1 | 31.9 | 1027 | 0 | 2.02 |
| | 45.6 | 21.4 | 33.5 | 2840 | 0 | 5.82 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 22 | 34 | 31 | 0 | 0.08 |
| 2 | 46 | 22 | 34 | 31 | 0 | 0.08 |
| 3 | 46 | 22 | 34 | 31 | 0 | 0.08 |
| 4 | 46 | 23 | 34 | 31 | 0 | 0.08 |
| 5 | 46 | 23 | 34 | 31 | 0 | 0.09 |
| 6 | 47 | 23 | 35 | 30 | 0 | 0.09 |
| 7 | 47 | 23 | 35 | 30 | 0 | 0.09 |
| 8 | 47 | 23 | 35 | 30 | 0 | 0.09 |
| 9 | 47 | 23 | 35 | 30 | 0 | 0.09 |
| 10 | 48 | 23 | 35 | 30 | 0 | 0.09 |
| 11 | 48 | 23 | 35 | 30 | 0 | 0.09 |
| 12 | 48 | 23 | 36 | 29 | 0 | 0.09 |
| 13 | 48 | 23 | 36 | 29 | 0 | 0.09 |
| 14 | 48 | 23 | 36 | 29 | 0 | 0.09 |
| 15 | 49 | 23 | 36 | 29 | 0 | 0.09 |
| 16 | 49 | 23 | 36 | 29 | 0 | 0.09 |
| 17 | 49 | 23 | 36 | 29 | 0 | 0.09 |
| 18 | 49 | 24 | 37 | 28 | 0 | 0.09 |
| 19 | 49 | 24 | 37 | 28 | 0 | 0.09 |
| 20 | 49 | 24 | 37 | 28 | 0 | 0.09 |
| 21 | 50 | 24 | 37 | 28 | 0 | 0.09 |
| 22 | 50 | 24 | 37 | 28 | 0 | 0.09 |
| 23 | 50 | 24 | 37 | 28 | 0 | 0.09 |
| 24 | 50 | 25 | 38 | 27 | 0 | 0.10 |
| 25 | 50 | 25 | 38 | 27 | 0 | 0.10 |
| 26 | 50 | 25 | 38 | 27 | 0 | 0.10 |
| 27 | 51 | 25 | 38 | 27 | 0 | 0.10 |
| 28 | 51 | 25 | 38 | 27 | 0 | 0.10 |
| MTH | 48.4 | 23.5 | 36.0 | 812 | 0 | 2.53 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 51 | 26 | 38 | 27 | 0 | 0.10 |
| 2 | 51 | 26 | 38 | 27 | 0 | 0.10 |
| 3 | 52 | 26 | 39 | 26 | 0 | 0.10 |
| 4 | 52 | 26 | 39 | 26 | 0 | 0.10 |
| 5 | 52 | 26 | 39 | 26 | 0 | 0.10 |
| 6 | 52 | 26 | 39 | 26 | 0 | 0.10 |
| 7 | 52 | 26 | 39 | 26 | 0 | 0.09 |
| 8 | 52 | 27 | 39 | 26 | 0 | 0.09 |
| 9 | 52 | 27 | 40 | 25 | 0 | 0.09 |
| 10 | 53 | 27 | 40 | 25 | 0 | 0.09 |
| 11 | 53 | 27 | 40 | 25 | 0 | 0.09 |
| 12 | 53 | 27 | 40 | 25 | 0 | 0.09 |
| 13 | 53 | 27 | 40 | 25 | 0 | 0.09 |
| 14 | 53 | 28 | 41 | 24 | 0 | 0.09 |
| 15 | 54 | 28 | 41 | 24 | 0 | 0.09 |
| 16 | 54 | 28 | 41 | 24 | 0 | 0.09 |
| 17 | 54 | 28 | 41 | 24 | 0 | 0.09 |
| 18 | 54 | 28 | 41 | 24 | 0 | 0.08 |
| 19 | 54 | 29 | 42 | 23 | 0 | 0.08 |
| 20 | 55 | 29 | 42 | 23 | 0 | 0.08 |
| 21 | 55 | 29 | 42 | 23 | 0 | 0.08 |
| 22 | 55 | 29 | 42 | 23 | 0 | 0.08 |
| 23 | 55 | 29 | 42 | 23 | 0 | 0.08 |
| 24 | 55 | 29 | 42 | 23 | 0 | 0.07 |
| 25 | 56 | 29 | 43 | 22 | 0 | 0.07 |
| 26 | 56 | 30 | 43 | 22 | 0 | 0.07 |
| 27 | 56 | 30 | 43 | 22 | 0 | 0.07 |
| 28 | 56 | 30 | 43 | 22 | 0 | 0.07 |
| 29 | 56 | 30 | 43 | 22 | 0 | 0.06 |
| 30 | 57 | 30 | 44 | 21 | 0 | 0.06 |
| 31 | 57 | 30 | 44 | 21 | 0 | 0.06 |
| MTH | 53.9 | 28.0 | 41.0 | 745 | 0 | 2.60 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 31 | 44 | 21 | 0 | 0.06 |
| 2 | 58 | 31 | 44 | 21 | 0 | 0.05 |
| 3 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 4 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 5 | 59 | 31 | 45 | 20 | 0 | 0.05 |
| 6 | 59 | 32 | 45 | 20 | 0 | 0.04 |
| 7 | 59 | 32 | 45 | 20 | 0 | 0.04 |
| 8 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 9 | 60 | 32 | 46 | 19 | 0 | 0.04 |
| 10 | 61 | 32 | 46 | 19 | 0 | 0.04 |
| 11 | 61 | 32 | 46 | 19 | 0 | 0.04 |
| 12 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 13 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 14 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 15 | 61 | 33 | 47 | 18 | 0 | 0.03 |
| 16 | 62 | 33 | 48 | 17 | 0 | 0.03 |
| 17 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 18 | 62 | 34 | 48 | 17 | 0 | 0.03 |
| 19 | 63 | 34 | 49 | 16 | 0 | 0.03 |
| 20 | 63 | 34 | 49 | 16 | 0 | 0.03 |
| 21 | 64 | 34 | 49 | 16 | 0 | 0.03 |
| 22 | 64 | 34 | 49 | 16 | 0 | 0.03 |
| 23 | 64 | 35 | 50 | 15 | 0 | 0.03 |
| 24 | 65 | 35 | 50 | 15 | 0 | 0.03 |
| 25 | 65 | 35 | 50 | 15 | 0 | 0.03 |
| 26 | 65 | 36 | 51 | 14 | 0 | 0.03 |
| 27 | 65 | 36 | 51 | 14 | 0 | 0.03 |
| 28 | 66 | 37 | 52 | 14 | 1 | 0.03 |
| 29 | 66 | 37 | 52 | 14 | 1 | 0.03 |
| 30 | 66 | 37 | 52 | 14 | 1 | 0.03 |
| MTH | 62.0 | 33.5 | 47.8 | 520 | 3 | 1.07 |
| | 62.6 | 34.3 | 48.5 | 1543 | 24 | 4.70 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 38 | 52 | 13 | 0 | 0.03 |
| 2 | 67 | 38 | 52 | 13 | 0 | 0.03 |
| 3 | 68 | 38 | 53 | 12 | 0 | 0.03 |
| 4 | 68 | 38 | 53 | 12 | 0 | 0.03 |
| 5 | 68 | 39 | 53 | 12 | 0 | 0.03 |
| 6 | 69 | 39 | 54 | 11 | 0 | 0.03 |
| 7 | 69 | 39 | 54 | 11 | 0 | 0.03 |
| 8 | 69 | 39 | 54 | 11 | 0 | 0.04 |
| 9 | 69 | 39 | 54 | 11 | 0 | 0.04 |
| 10 | 70 | 40 | 55 | 10 | 0 | 0.04 |
| 11 | 70 | 40 | 55 | 10 | 0 | 0.04 |
| 12 | 70 | 40 | 55 | 10 | 0 | 0.04 |
| 13 | 70 | 40 | 55 | 10 | 0 | 0.04 |
| 14 | 71 | 41 | 56 | 10 | 1 | 0.04 |
| 15 | 71 | 42 | 57 | 9 | 1 | 0.04 |
| 16 | 72 | 42 | 57 | 9 | 1 | 0.04 |
| 17 | 72 | 42 | 57 | 9 | 1 | 0.04 |
| 18 | 72 | 42 | 57 | 9 | 1 | 0.04 |
| 19 | 73 | 42 | 58 | 8 | 1 | 0.03 |
| 20 | 73 | 43 | 58 | 8 | 1 | 0.03 |
| 21 | 73 | 43 | 58 | 8 | 1 | 0.03 |
| 22 | 74 | 43 | 59 | 7 | 1 | 0.03 |
| 23 | 74 | 43 | 59 | 7 | 1 | 0.03 |
| 24 | 75 | 43 | 59 | 7 | 1 | 0.03 |
| 25 | 75 | 44 | 60 | 6 | 1 | 0.03 |
| 26 | 76 | 44 | 60 | 6 | 1 | 0.03 |
| 27 | 76 | 44 | 60 | 6 | 1 | 0.03 |
| 28 | 76 | 44 | 60 | 6 | 1 | 0.03 |
| 29 | 77 | 45 | 61 | 6 | 2 | 0.03 |
| 30 | 77 | 45 | 61 | 6 | 2 | 0.03 |
| 31 | 77 | 46 | 62 | 5 | 2 | 0.02 |
| MTH | 71.9 | 41.5 | 56.7 | 278 | 21 | 1.03 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEW HARMONY UTAH Station Number: 426181

Latitude: 37 B 29 * 04 ( Longitude: -113 B 18 * 47 ( Elevation (feet): 5265

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 46 | 62 | 5 | 2 | 0.02 |
| 2 | 79 | 46 | 62 | 5 | 2 | 0.02 |
| 3 | 79 | 47 | 63 | 4 | 2 | 0.02 |
| 4 | 80 | 47 | 63 | 4 | 2 | 0.02 |
| 5 | 80 | 47 | 63 | 4 | 2 | 0.02 |
| 6 | 80 | 48 | 64 | 4 | 3 | 0.02 |
| 7 | 80 | 48 | 64 | 4 | 3 | 0.02 |
| 8 | 80 | 48 | 64 | 4 | 3 | 0.02 |
| 9 | 80 | 49 | 65 | 4 | 4 | 0.02 |
| 10 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 11 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 12 | 81 | 49 | 65 | 3 | 3 | 0.02 |
| 13 | 82 | 49 | 66 | 2 | 3 | 0.01 |
| 14 | 82 | 50 | 66 | 2 | 3 | 0.01 |
| 15 | 83 | 50 | 67 | 2 | 4 | 0.01 |
| 16 | 83 | 50 | 67 | 2 | 4 | 0.01 |
| 17 | 83 | 51 | 67 | 2 | 4 | 0.01 |
| 18 | 83 | 51 | 67 | 2 | 4 | 0.01 |
| 19 | 83 | 51 | 67 | 2 | 4 | 0.01 |
| 20 | 83 | 51 | 67 | 2 | 4 | 0.01 |
| 21 | 84 | 52 | 68 | 2 | 5 | 0.02 |
| 22 | 84 | 52 | 68 | 2 | 5 | 0.02 |
| 23 | 85 | 52 | 69 | 1 | 5 | 0.02 |
| 24 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 25 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 26 | 85 | 53 | 69 | 1 | 5 | 0.02 |
| 27 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 28 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 29 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| 30 | 86 | 54 | 70 | 1 | 6 | 0.02 |
| MTH | 82.5 | 50.2 | 66.4 | 75 | 116 | 0.52 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 2 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 3 | 87 | 55 | 71 | 1 | 7 | 0.02 |
| 4 | 87 | 56 | 71 | 1 | 7 | 0.03 |
| 5 | 88 | 56 | 72 | 0 | 7 | 0.03 |
| 6 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 7 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 8 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 9 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 10 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 11 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 12 | 88 | 57 | 73 | 0 | 8 | 0.03 |
| 13 | 88 | 58 | 73 | 0 | 8 | 0.03 |
| 14 | 89 | 58 | 73 | 0 | 8 | 0.03 |
| 15 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 16 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 17 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 18 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 19 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 20 | 89 | 58 | 73 | 0 | 8 | 0.04 |
| 21 | 89 | 58 | 74 | 0 | 9 | 0.04 |
| 22 | 89 | 58 | 74 | 0 | 9 | 0.04 |
| 23 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 24 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 25 | 88 | 58 | 73 | 0 | 8 | 0.04 |
| 26 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 27 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 28 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 29 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 30 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 31 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| MTH | 88.2 | 57.4 | 72.8 | 4 | 245 | 1.13 |
| SUMMER SEASON: | 85.5 | 54.5 | 70.0 | 86 | 553 | 3.28 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 2 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 3 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 4 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 5 | 88 | 58 | 73 | 0 | 8 | 0.05 |
| 6 | 88 | 56 | 72 | 0 | 7 | 0.05 |
| 7 | 88 | 57 | 72 | 0 | 7 | 0.05 |
| 8 | 88 | 57 | 72 | 0 | 7 | 0.05 |
| 9 | 88 | 57 | 72 | 0 | 7 | 0.05 |
| 10 | 87 | 57 | 72 | 0 | 7 | 0.05 |
| 11 | 87 | 57 | 72 | 0 | 7 | 0.05 |
| 12 | 87 | 57 | 72 | 0 | 7 | 0.06 |
| 13 | 87 | 57 | 72 | 0 | 7 | 0.06 |
| 14 | 86 | 57 | 72 | 0 | 7 | 0.06 |
| 15 | 86 | 56 | 71 | 0 | 6 | 0.06 |
| 16 | 86 | 56 | 71 | 0 | 6 | 0.06 |
| 17 | 86 | 56 | 71 | 0 | 6 | 0.06 |
| 18 | 86 | 56 | 71 | 0 | 6 | 0.06 |
| 19 | 86 | 56 | 71 | 0 | 6 | 0.06 |
| 20 | 85 | 56 | 71 | 0 | 6 | 0.05 |
| 21 | 85 | 56 | 71 | 0 | 6 | 0.05 |
| 22 | 85 | 55 | 70 | 0 | 5 | 0.05 |
| 23 | 85 | 55 | 70 | 0 | 5 | 0.05 |
| 24 | 85 | 55 | 70 | 0 | 5 | 0.05 |
| 25 | 84 | 55 | 70 | 1 | 6 | 0.05 |
| 26 | 84 | 54 | 69 | 1 | 5 | 0.05 |
| 27 | 84 | 54 | 69 | 1 | 5 | 0.05 |
| 28 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 29 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 30 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 31 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| MTH | 86.0 | 55.9 | 71.0 | 7 | 192 | 1.63 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 2 | 83 | 53 | 68 | 1 | 4 | 0.05 |
| 3 | 83 | 52 | 67 | 1 | 3 | 0.05 |
| 4 | 83 | 51 | 67 | 1 | 3 | 0.05 |
| 5 | 83 | 51 | 67 | 1 | 3 | 0.05 |
| 6 | 83 | 51 | 67 | 2 | 4 | 0.05 |
| 7 | 82 | 51 | 66 | 2 | 3 | 0.05 |
| 8 | 82 | 51 | 66 | 2 | 3 | 0.05 |
| 9 | 82 | 51 | 66 | 2 | 3 | 0.05 |
| 10 | 80 | 50 | 65 | 2 | 2 | 0.04 |
| 11 | 80 | 50 | 65 | 2 | 2 | 0.04 |
| 12 | 80 | 49 | 65 | 2 | 2 | 0.04 |
| 13 | 79 | 49 | 64 | 3 | 2 | 0.04 |
| 14 | 79 | 49 | 64 | 3 | 2 | 0.04 |
| 15 | 79 | 49 | 64 | 3 | 2 | 0.04 |
| 16 | 78 | 49 | 64 | 3 | 2 | 0.04 |
| 17 | 78 | 48 | 63 | 3 | 1 | 0.04 |
| 18 | 78 | 48 | 63 | 3 | 1 | 0.04 |
| 19 | 77 | 47 | 62 | 4 | 1 | 0.04 |
| 20 | 77 | 47 | 62 | 4 | 1 | 0.04 |
| 21 | 77 | 47 | 62 | 4 | 1 | 0.04 |
| 22 | 77 | 46 | 62 | 4 | 1 | 0.04 |
| 23 | 76 | 46 | 61 | 5 | 1 | 0.04 |
| 24 | 76 | 46 | 61 | 5 | 1 | 0.04 |
| 25 | 76 | 45 | 61 | 5 | 1 | 0.04 |
| 26 | 75 | 45 | 60 | 6 | 1 | 0.04 |
| 27 | 75 | 45 | 60 | 6 | 1 | 0.04 |
| 28 | 74 | 44 | 59 | 7 | 1 | 0.04 |
| 29 | 74 | 44 | 59 | 7 | 1 | 0.05 |
| 30 | 74 | 43 | 59 | 7 | 1 | 0.05 |
| MTH | 78.8 | 48.3 | 63.6 | 101 | 58 | 1.31 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 43 | 58 | 8 | 1 | 0.05 |
| 2 | 73 | 43 | 58 | 8 | 1 | 0.05 |
| 3 | 73 | 43 | 58 | 8 | 1 | 0.05 |
| 4 | 73 | 42 | 57 | 8 | 0 | 0.05 |
| 5 | 72 | 42 | 57 | 8 | 0 | 0.05 |
| 6 | 72 | 41 | 57 | 8 | 0 | 0.05 |
| 7 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 8 | 71 | 41 | 56 | 9 | 0 | 0.05 |
| 9 | 70 | 40 | 55 | 10 | 0 | 0.05 |
| 10 | 70 | 40 | 55 | 10 | 0 | 0.05 |
| 11 | 70 | 40 | 55 | 10 | 0 | 0.05 |
| 12 | 69 | 39 | 54 | 11 | 0 | 0.05 |
| 13 | 69 | 39 | 54 | 11 | 0 | 0.05 |
| 14 | 68 | 38 | 53 | 12 | 0 | 0.05 |
| 15 | 68 | 38 | 53 | 12 | 0 | 0.05 |
| 16 | 67 | 38 | 53 | 12 | 0 | 0.05 |
| 17 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 18 | 67 | 37 | 52 | 13 | 0 | 0.05 |
| 19 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 20 | 66 | 36 | 51 | 14 | 0 | 0.05 |
| 21 | 65 | 36 | 51 | 14 | 0 | 0.05 |
| 22 | 65 | 35 | 50 | 15 | 0 | 0.05 |
| 23 | 64 | 35 | 50 | 15 | 0 | 0.05 |
| 24 | 64 | 34 | 49 | 16 | 0 | 0.05 |
| 25 | 63 | 34 | 49 | 16 | 0 | 0.05 |
| 26 | 62 | 34 | 48 | 17 | 0 | 0.05 |
| 27 | 62 | 34 | 48 | 17 | 0 | 0.05 |
| 28 | 62 | 33 | 48 | 17 | 0 | 0.05 |
| 29 | 61 | 33 | 47 | 18 | 0 | 0.05 |
| 30 | 61 | 33 | 47 | 18 | 0 | 0.05 |
| 31 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| MTH | 67.3 | 37.7 | 52.5 | 390 | 3 | 1.55 |
| AUTUMN SEASON: | 66.5 | 37.7 | 52.1 | 1232 | 61 | 4.42 |
| *ANNUAL:* | 65.1 | 37.0 | 51.0 | 5701 | 638 | 18.22 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 32 | 46 | 19 | 0 | 0.05 |
| 2 | 59 | 32 | 45 | 20 | 0 | 0.05 |
| 3 | 59 | 32 | 45 | 20 | 0 | 0.06 |
| 4 | 58 | 31 | 44 | 21 | 0 | 0.06 |
| 5 | 58 | 31 | 44 | 21 | 0 | 0.06 |
| 6 | 58 | 31 | 44 | 21 | 0 | 0.06 |
| 7 | 57 | 29 | 43 | 22 | 0 | 0.06 |
| 8 | 56 | 29 | 43 | 22 | 0 | 0.06 |
| 9 | 55 | 29 | 42 | 23 | 0 | 0.06 |
| 10 | 55 | 29 | 42 | 23 | 0 | 0.05 |
| 11 | 55 | 28 | 42 | 23 | 0 | 0.05 |
| 12 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 13 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 14 | 54 | 28 | 41 | 24 | 0 | 0.05 |
| 15 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 16 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 17 | 53 | 27 | 40 | 25 | 0 | 0.05 |
| 18 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 19 | 52 | 26 | 39 | 26 | 0 | 0.05 |
| 20 | 51 | 26 | 39 | 26 | 0 | 0.05 |
| 21 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 22 | 51 | 25 | 38 | 27 | 0 | 0.05 |
| 23 | 50 | 25 | 38 | 27 | 0 | 0.05 |
| 24 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 25 | 50 | 24 | 37 | 28 | 0 | 0.05 |
| 26 | 49 | 24 | 37 | 28 | 0 | 0.05 |
| 27 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 28 | 49 | 23 | 36 | 29 | 0 | 0.05 |
| 29 | 48 | 23 | 36 | 29 | 0 | 0.05 |
| 30 | 48 | 23 | 36 | 29 | 0 | 0.04 |
| MTH | 53.4 | 27.2 | 40.3 | 741 | 0 | 1.56 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: NEW HARMONY UTAH Station Number: 426181

Latitude: 37° 29* 04( Longitude: -113° 18* 47( Elevation (feet): 5265

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 7.07 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 7.82 |
| 0.050 | 0.00 | 0.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.32 | 0.00 | 0.07 | 0.04 | 0.00 | 10.14 |
| 0.100 | 0.00 | 0.16 | 0.14 | 0.13 | 0.11 | 0.00 | 0.05 | 0.47 | 0.00 | 0.20 | 0.14 | 0.04 | 11.56 |
| 0.200 | 0.44 | 0.44 | 0.51 | 0.28 | 0.29 | 0.05 | 0.17 | 0.71 | 0.17 | 0.42 | 0.34 | 0.19 | 13.45 |
| 0.300 | 0.79 | 0.78 | 0.89 | 0.44 | 0.45 | 0.16 | 0.31 | 0.93 | 0.40 | 0.65 | 0.56 | 0.37 | 14.94 |
| 0.400 | 1.14 | 1.18 | 1.33 | 0.60 | 0.62 | 0.26 | 0.48 | 1.15 | 0.64 | 0.89 | 0.81 | 0.57 | 16.30 |
| 0.500 | 1.53 | 1.67 | 1.83 | 0.80 | 0.80 | 0.37 | 0.70 | 1.39 | 0.91 | 1.17 | 1.10 | 0.82 | 17.64 |
| 0.600 | 1.98 | 2.26 | 2.43 | 1.02 | 1.02 | 0.50 | 0.97 | 1.66 | 1.23 | 1.50 | 1.45 | 1.13 | 19.05 |
| 0.700 | 2.55 | 3.04 | 3.19 | 1.31 | 1.28 | 0.66 | 1.33 | 1.99 | 1.64 | 1.90 | 1.89 | 1.53 | 20.65 |
| 0.800 | 3.29 | 4.15 | 4.25 | 1.70 | 1.63 | 0.87 | 1.86 | 2.42 | 2.21 | 2.46 | 2.52 | 2.09 | 22.62 |
| 0.900 | 4.54 | 6.05 | 6.04 | 2.35 | 2.22 | 1.22 | 2.77 | 3.12 | 3.13 | 3.39 | 3.57 | 3.07 | 25.56 |
| 0.950 | 5.75 | 7.97 | 7.82 | 2.99 | 2.78 | 1.58 | 3.69 | 3.77 | 4.06 | 4.30 | 4.62 | 4.05 | 28.16 |
| 0.990 | 8.51 | 12.46 | 11.92 | 4.46 | 4.06 | 2.34 | 5.88 | 5.23 | 6.19 | 6.37 | 7.05 | 6.34 | 33.49 |
| 0.995 | 9.67 | 14.39 | 13.67 | 5.08 | 4.59 | 2.67 | 6.82 | 5.83 | 7.10 | 7.25 | 8.08 | 7.33 | 35.59 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: OAK CITY UTAH Station Number: 426357

Latitude: 39 B 22 * 45 ( Longitude: -112 B 20* 24 ( Elevation (feet): 5070

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 24 | 33 | 32 | 0 | 0.04 |
| 2 | 43 | 24 | 33 | 32 | 0 | 0.04 |
| 3 | 43 | 24 | 33 | 32 | 0 | 0.04 |
| 4 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 5 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 6 | 42 | 22 | 32 | 33 | 0 | 0.04 |
| 7 | 42 | 22 | 32 | 33 | 0 | 0.04 |
| 8 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 9 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 10 | 42 | 21 | 31 | 34 | 0 | 0.03 |
| 11 | 41 | 21 | 31 | 34 | 0 | 0.03 |
| 12 | 40 | 20 | 30 | 35 | 0 | 0.03 |
| 13 | 40 | 20 | 30 | 35 | 0 | 0.03 |
| 14 | 40 | 20 | 30 | 35 | 0 | 0.03 |
| 15 | 39 | 20 | 30 | 35 | 0 | 0.03 |
| 16 | 39 | 20 | 30 | 35 | 0 | 0.03 |
| 17 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 18 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 19 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 20 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 21 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 22 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 23 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 24 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 25 | 38 | 19 | 29 | 36 | 0 | 0.03 |
| 26 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 27 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 28 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 29 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 30 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 31 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| MTH | 39.6 | 20.5 | 30.1 | 1083 | 0 | 1.06 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 2 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 3 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 4 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 5 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 6 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 7 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 8 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 9 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 10 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 11 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 12 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 13 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 14 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 15 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 16 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 17 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 18 | 38 | 21 | 30 | 35 | 0 | 0.04 |
| 19 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 20 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 21 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 22 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 23 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 24 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 25 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 26 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 27 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 28 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 29 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 30 | 41 | 22 | 32 | 33 | 0 | 0.04 |
| 31 | 41 | 22 | 32 | 33 | 0 | 0.04 |
| MTH | 38.6 | 20.6 | 29.6 | 1097 | 0 | 1.24 |
| | 41.1 | 22.1 | 31.6 | 3014 | 0 | 3.53 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 2 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 3 | 42 | 23 | 32 | 33 | 0 | 0.04 |
| 4 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 5 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 6 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 7 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 8 | 43 | 24 | 34 | 31 | 0 | 0.04 |
| 9 | 43 | 24 | 34 | 31 | 0 | 0.04 |
| 10 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 11 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 12 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 13 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 14 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 15 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 16 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 17 | 46 | 26 | 36 | 29 | 0 | 0.04 |
| 18 | 46 | 26 | 36 | 29 | 0 | 0.05 |
| 19 | 46 | 26 | 36 | 29 | 0 | 0.05 |
| 20 | 47 | 26 | 37 | 28 | 0 | 0.05 |
| 21 | 47 | 27 | 37 | 28 | 0 | 0.05 |
| 22 | 47 | 27 | 37 | 28 | 0 | 0.05 |
| 23 | 47 | 27 | 37 | 28 | 0 | 0.05 |
| 24 | 48 | 27 | 38 | 27 | 0 | 0.05 |
| 25 | 48 | 28 | 38 | 27 | 0 | 0.05 |
| 26 | 48 | 28 | 38 | 27 | 0 | 0.05 |
| 27 | 49 | 28 | 39 | 26 | 0 | 0.05 |
| 28 | 49 | 28 | 39 | 26 | 0 | 0.05 |
| MTH | 45.1 | 25.2 | 35.2 | 834 | 0 | 1.23 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 50 | 29 | 39 | 26 | 0 | 0.05 |
| 2 | 50 | 29 | 39 | 26 | 0 | 0.05 |
| 3 | 51 | 30 | 40 | 25 | 0 | 0.05 |
| 4 | 51 | 30 | 40 | 25 | 0 | 0.05 |
| 5 | 51 | 30 | 40 | 25 | 0 | 0.05 |
| 6 | 51 | 30 | 41 | 24 | 0 | 0.05 |
| 7 | 52 | 30 | 41 | 24 | 0 | 0.05 |
| 8 | 52 | 30 | 41 | 24 | 0 | 0.05 |
| 9 | 52 | 31 | 42 | 23 | 0 | 0.05 |
| 10 | 53 | 31 | 42 | 23 | 0 | 0.05 |
| 11 | 53 | 31 | 42 | 23 | 0 | 0.05 |
| 12 | 53 | 31 | 42 | 23 | 0 | 0.05 |
| 13 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 14 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 15 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 16 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 17 | 55 | 32 | 44 | 21 | 0 | 0.05 |
| 18 | 55 | 32 | 44 | 21 | 0 | 0.05 |
| 19 | 55 | 33 | 44 | 21 | 0 | 0.05 |
| 20 | 55 | 33 | 44 | 21 | 0 | 0.05 |
| 21 | 55 | 33 | 44 | 21 | 0 | 0.05 |
| 22 | 56 | 33 | 45 | 20 | 0 | 0.05 |
| 23 | 56 | 33 | 45 | 20 | 0 | 0.05 |
| 24 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| 25 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| 26 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| 27 | 57 | 34 | 46 | 19 | 0 | 0.05 |
| 28 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| 29 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| 30 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| 31 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| MTH | 54.3 | 31.9 | 43.1 | 679 | 0 | 1.55 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 35 | 46 | 19 | 0 | 0.05 |
| 2 | 59 | 35 | 47 | 18 | 0 | 0.05 |
| 3 | 59 | 35 | 47 | 18 | 0 | 0.05 |
| 4 | 59 | 35 | 47 | 18 | 0 | 0.05 |
| 5 | 59 | 36 | 47 | 18 | 0 | 0.05 |
| 6 | 59 | 36 | 47 | 18 | 0 | 0.05 |
| 7 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 8 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 9 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 10 | 61 | 36 | 48 | 17 | 0 | 0.05 |
| 11 | 61 | 36 | 48 | 17 | 0 | 0.05 |
| 12 | 61 | 36 | 49 | 16 | 0 | 0.05 |
| 13 | 61 | 36 | 49 | 16 | 0 | 0.05 |
| 14 | 62 | 36 | 49 | 16 | 0 | 0.05 |
| 15 | 62 | 36 | 49 | 16 | 0 | 0.05 |
| 16 | 62 | 37 | 50 | 15 | 0 | 0.05 |
| 17 | 62 | 37 | 50 | 15 | 0 | 0.05 |
| 18 | 63 | 37 | 50 | 15 | 0 | 0.05 |
| 19 | 63 | 37 | 50 | 15 | 0 | 0.05 |
| 20 | 63 | 38 | 51 | 14 | 0 | 0.05 |
| 21 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 22 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 23 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 24 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 25 | 65 | 39 | 52 | 14 | 1 | 0.05 |
| 26 | 65 | 40 | 53 | 13 | 1 | 0.05 |
| 27 | 66 | 40 | 53 | 13 | 1 | 0.06 |
| 28 | 66 | 40 | 53 | 13 | 1 | 0.06 |
| 29 | 66 | 41 | 54 | 12 | 1 | 0.06 |
| 30 | 67 | 41 | 54 | 12 | 1 | 0.06 |
| MTH | 62.2 | 37.2 | 49.7 | 465 | 6 | 1.54 |
| | 63.0 | 38.3 | 50.7 | 1365 | 51 | 4.67 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 41 | 54 | 11 | 0 | 0.05 |
| 2 | 68 | 41 | 54 | 11 | 0 | 0.05 |
| 3 | 68 | 42 | 55 | 10 | 0 | 0.05 |
| 4 | 68 | 42 | 55 | 10 | 0 | 0.06 |
| 5 | 68 | 43 | 55 | 10 | 0 | 0.06 |
| 6 | 69 | 43 | 56 | 10 | 1 | 0.06 |
| 7 | 69 | 43 | 56 | 10 | 1 | 0.06 |
| 8 | 69 | 44 | 57 | 9 | 1 | 0.06 |
| 9 | 70 | 44 | 57 | 9 | 1 | 0.06 |
| 10 | 70 | 44 | 57 | 9 | 1 | 0.06 |
| 11 | 71 | 44 | 58 | 8 | 1 | 0.05 |
| 12 | 71 | 45 | 58 | 8 | 1 | 0.05 |
| 13 | 71 | 45 | 58 | 8 | 1 | 0.05 |
| 14 | 72 | 45 | 59 | 7 | 1 | 0.05 |
| 15 | 72 | 46 | 59 | 7 | 1 | 0.05 |
| 16 | 72 | 46 | 59 | 7 | 1 | 0.05 |
| 17 | 73 | 46 | 60 | 6 | 1 | 0.05 |
| 18 | 73 | 46 | 60 | 6 | 1 | 0.05 |
| 19 | 74 | 47 | 61 | 6 | 2 | 0.05 |
| 20 | 74 | 47 | 61 | 6 | 2 | 0.05 |
| 21 | 75 | 47 | 61 | 6 | 2 | 0.05 |
| 22 | 75 | 47 | 61 | 6 | 2 | 0.05 |
| 23 | 75 | 48 | 62 | 5 | 2 | 0.05 |
| 24 | 76 | 48 | 62 | 5 | 2 | 0.05 |
| 25 | 76 | 48 | 62 | 5 | 2 | 0.05 |
| 26 | 77 | 49 | 63 | 5 | 3 | 0.05 |
| 27 | 77 | 49 | 63 | 5 | 3 | 0.05 |
| 28 | 78 | 50 | 64 | 4 | 3 | 0.04 |
| 29 | 78 | 50 | 64 | 4 | 3 | 0.04 |
| 30 | 78 | 50 | 64 | 4 | 3 | 0.04 |
| 31 | 78 | 50 | 64 | 4 | 3 | 0.04 |
| MTH | 72.7 | 45.8 | 59.3 | 221 | 45 | 1.58 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: OAK CITY UTAH Station Number: 426357

Latitude: 39 B 22 * 45 ( Longitude: -112 B 20* 24 ( Elevation (feet): 5070

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 52 | 65 | 4 | 4 | 0.04 |
| 2 | 79 | 52 | 66 | 4 | 5 | 0.04 |
| 3 | 80 | 53 | 66 | 3 | 4 | 0.04 |
| 4 | 80 | 53 | 66 | 3 | 4 | 0.04 |
| 5 | 80 | 53 | 66 | 3 | 4 | 0.03 |
| 6 | 82 | 53 | 67 | 3 | 5 | 0.03 |
| 7 | 82 | 53 | 67 | 3 | 5 | 0.03 |
| 8 | 82 | 53 | 68 | 2 | 5 | 0.03 |
| 9 | 82 | 53 | 68 | 2 | 5 | 0.03 |
| 10 | 83 | 54 | 68 | 2 | 5 | 0.03 |
| 11 | 83 | 54 | 69 | 2 | 6 | 0.03 |
| 12 | 84 | 54 | 69 | 2 | 6 | 0.03 |
| 13 | 84 | 54 | 69 | 2 | 6 | 0.03 |
| 14 | 84 | 54 | 69 | 2 | 6 | 0.03 |
| 15 | 85 | 55 | 70 | 2 | 7 | 0.03 |
| 16 | 85 | 55 | 70 | 2 | 7 | 0.02 |
| 17 | 85 | 56 | 71 | 1 | 7 | 0.02 |
| 18 | 86 | 56 | 71 | 1 | 7 | 0.02 |
| 19 | 86 | 57 | 72 | 1 | 8 | 0.02 |
| 20 | 87 | 57 | 72 | 1 | 8 | 0.02 |
| 21 | 87 | 57 | 72 | 1 | 8 | 0.02 |
| 22 | 87 | 57 | 72 | 1 | 8 | 0.02 |
| 23 | 87 | 58 | 73 | 1 | 9 | 0.02 |
| 24 | 88 | 58 | 73 | 1 | 9 | 0.02 |
| 25 | 88 | 58 | 73 | 1 | 9 | 0.02 |
| 26 | 88 | 58 | 73 | 1 | 9 | 0.02 |
| 27 | 89 | 59 | 74 | 1 | 10 | 0.02 |
| 28 | 89 | 59 | 74 | 1 | 10 | 0.02 |
| 29 | 89 | 59 | 74 | 1 | 10 | 0.02 |
| 30 | 90 | 60 | 75 | 1 | 11 | 0.02 |
| MTH | 84.7 | 55.5 | 70.1 | 55 | 207 | 0.79 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 91 | 61 | 76 | 0 | 11 | 0.02 |
| 2 | 91 | 62 | 76 | 0 | 11 | 0.02 |
| 3 | 91 | 62 | 76 | 0 | 11 | 0.02 |
| 4 | 91 | 62 | 77 | 0 | 12 | 0.02 |
| 5 | 91 | 62 | 77 | 0 | 12 | 0.02 |
| 6 | 91 | 62 | 77 | 0 | 12 | 0.02 |
| 7 | 92 | 62 | 77 | 0 | 12 | 0.02 |
| 8 | 92 | 62 | 77 | 0 | 12 | 0.01 |
| 9 | 92 | 63 | 78 | 0 | 13 | 0.01 |
| 10 | 92 | 63 | 78 | 0 | 13 | 0.01 |
| 11 | 92 | 64 | 78 | 0 | 13 | 0.01 |
| 12 | 92 | 64 | 78 | 0 | 13 | 0.01 |
| 13 | 92 | 64 | 78 | 0 | 13 | 0.01 |
| 14 | 92 | 64 | 78 | 0 | 13 | 0.01 |
| 15 | 93 | 64 | 79 | 0 | 14 | 0.01 |
| 16 | 93 | 64 | 79 | 0 | 14 | 0.01 |
| 17 | 93 | 65 | 79 | 0 | 14 | 0.01 |
| 18 | 93 | 65 | 79 | 0 | 14 | 0.01 |
| 19 | 93 | 65 | 79 | 0 | 14 | 0.01 |
| 20 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 21 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 22 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 23 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 24 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 25 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 26 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 27 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 28 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 29 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 30 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 31 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| MTH | 92.4 | 63.9 | 78.2 | 0 | 409 | 0.50 |
| SUMMER SEASON: | 89.2 | 60.5 | 74.9 | 56 | 968 | 2.06 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 2 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 3 | 93 | 65 | 79 | 0 | 14 | 0.02 |
| 4 | 93 | 64 | 78 | 0 | 13 | 0.02 |
| 5 | 93 | 64 | 78 | 0 | 13 | 0.02 |
| 6 | 93 | 64 | 78 | 0 | 13 | 0.02 |
| 7 | 93 | 64 | 78 | 0 | 13 | 0.02 |
| 8 | 93 | 64 | 78 | 0 | 13 | 0.02 |
| 9 | 92 | 64 | 78 | 0 | 13 | 0.02 |
| 10 | 92 | 64 | 78 | 0 | 13 | 0.02 |
| 11 | 92 | 63 | 78 | 0 | 13 | 0.02 |
| 12 | 91 | 63 | 77 | 0 | 12 | 0.02 |
| 13 | 91 | 63 | 77 | 0 | 12 | 0.02 |
| 14 | 91 | 63 | 77 | 0 | 12 | 0.02 |
| 15 | 91 | 63 | 77 | 0 | 12 | 0.02 |
| 16 | 91 | 62 | 77 | 0 | 12 | 0.02 |
| 17 | 90 | 62 | 76 | 0 | 11 | 0.03 |
| 18 | 90 | 62 | 76 | 0 | 11 | 0.03 |
| 19 | 90 | 62 | 76 | 0 | 11 | 0.03 |
| 20 | 90 | 62 | 76 | 0 | 11 | 0.03 |
| 21 | 89 | 62 | 76 | 0 | 11 | 0.03 |
| 22 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 23 | 89 | 61 | 75 | 0 | 10 | 0.03 |
| 24 | 89 | 60 | 75 | 0 | 10 | 0.03 |
| 25 | 89 | 60 | 75 | 0 | 10 | 0.03 |
| 26 | 88 | 60 | 74 | 0 | 9 | 0.03 |
| 27 | 88 | 59 | 74 | 0 | 9 | 0.03 |
| 28 | 88 | 59 | 74 | 0 | 9 | 0.03 |
| 29 | 87 | 59 | 73 | 0 | 8 | 0.03 |
| 30 | 87 | 58 | 73 | 0 | 8 | 0.03 |
| 31 | 86 | 58 | 72 | 1 | 8 | 0.03 |
| MTH | 90.5 | 62.1 | 76.3 | 1 | 352 | 0.77 |

**SEPTEMBER**

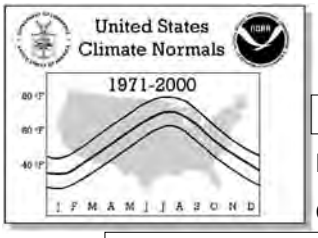
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 86 | 58 | 72 | 1 | 8 | 0.03 |
| 2 | 86 | 57 | 71 | 0 | 6 | 0.03 |
| 3 | 85 | 57 | 71 | 1 | 7 | 0.03 |
| 4 | 85 | 56 | 70 | 1 | 6 | 0.03 |
| 5 | 84 | 56 | 70 | 1 | 6 | 0.03 |
| 6 | 84 | 56 | 70 | 1 | 6 | 0.03 |
| 7 | 84 | 55 | 69 | 1 | 5 | 0.03 |
| 8 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| 9 | 83 | 55 | 69 | 1 | 5 | 0.03 |
| 10 | 83 | 54 | 68 | 1 | 4 | 0.03 |
| 11 | 83 | 54 | 68 | 1 | 4 | 0.03 |
| 12 | 83 | 53 | 68 | 1 | 4 | 0.03 |
| 13 | 82 | 53 | 68 | 1 | 4 | 0.03 |
| 14 | 81 | 53 | 67 | 2 | 4 | 0.03 |
| 15 | 81 | 53 | 67 | 2 | 4 | 0.04 |
| 16 | 80 | 53 | 67 | 2 | 4 | 0.04 |
| 17 | 80 | 52 | 66 | 2 | 3 | 0.04 |
| 18 | 80 | 52 | 66 | 2 | 3 | 0.04 |
| 19 | 79 | 51 | 65 | 3 | 3 | 0.04 |
| 20 | 79 | 51 | 65 | 3 | 3 | 0.04 |
| 21 | 78 | 51 | 65 | 3 | 3 | 0.04 |
| 22 | 78 | 51 | 65 | 3 | 3 | 0.04 |
| 23 | 78 | 50 | 64 | 3 | 2 | 0.04 |
| 24 | 77 | 49 | 63 | 4 | 2 | 0.04 |
| 25 | 77 | 49 | 63 | 4 | 2 | 0.04 |
| 26 | 76 | 49 | 63 | 4 | 2 | 0.04 |
| 27 | 76 | 48 | 62 | 5 | 2 | 0.04 |
| 28 | 75 | 48 | 62 | 5 | 2 | 0.04 |
| 29 | 75 | 48 | 62 | 5 | 2 | 0.04 |
| 30 | 75 | 47 | 61 | 5 | 1 | 0.05 |
| MTH | 80.5 | 52.5 | 66.5 | 69 | 115 | 1.07 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 47 | 61 | 5 | 1 | 0.05 |
| 2 | 74 | 47 | 60 | 6 | 1 | 0.05 |
| 3 | 74 | 47 | 60 | 6 | 1 | 0.05 |
| 4 | 73 | 46 | 60 | 7 | 2 | 0.05 |
| 5 | 73 | 46 | 59 | 7 | 1 | 0.05 |
| 6 | 72 | 45 | 58 | 8 | 1 | 0.05 |
| 7 | 72 | 45 | 58 | 8 | 1 | 0.05 |
| 8 | 71 | 44 | 58 | 8 | 1 | 0.05 |
| 9 | 71 | 43 | 57 | 9 | 1 | 0.05 |
| 10 | 70 | 43 | 57 | 9 | 1 | 0.05 |
| 11 | 69 | 43 | 56 | 10 | 1 | 0.05 |
| 12 | 69 | 43 | 56 | 10 | 1 | 0.05 |
| 13 | 68 | 43 | 56 | 10 | 1 | 0.05 |
| 14 | 68 | 42 | 55 | 10 | 0 | 0.05 |
| 15 | 67 | 41 | 54 | 11 | 0 | 0.05 |
| 16 | 67 | 41 | 54 | 11 | 0 | 0.05 |
| 17 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 18 | 66 | 40 | 53 | 12 | 0 | 0.06 |
| 19 | 65 | 40 | 53 | 12 | 0 | 0.06 |
| 20 | 65 | 39 | 52 | 13 | 0 | 0.06 |
| 21 | 64 | 39 | 52 | 13 | 0 | 0.06 |
| 22 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 23 | 63 | 38 | 51 | 14 | 0 | 0.05 |
| 24 | 62 | 38 | 50 | 15 | 0 | 0.05 |
| 25 | 62 | 38 | 50 | 15 | 0 | 0.05 |
| 26 | 61 | 37 | 49 | 16 | 0 | 0.05 |
| 27 | 61 | 37 | 49 | 16 | 0 | 0.05 |
| 28 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 29 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 30 | 59 | 35 | 47 | 18 | 0 | 0.05 |
| 31 | 58 | 35 | 47 | 18 | 0 | 0.05 |
| MTH | 66.8 | 41.1 | 54.0 | 356 | 14 | 1.60 |
| AUTUMN SEASON: | 65.7 | 40.9 | 53.3 | 1190 | 129 | 3.95 |
| *ANNUAL:* | 64.8 | 40.5 | 52.6 | 5625 | 1148 | 14.21 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 35 | 46 | 19 | 0 | 0.05 |
| 2 | 58 | 35 | 46 | 19 | 0 | 0.05 |
| 3 | 56 | 35 | 45 | 20 | 0 | 0.05 |
| 4 | 56 | 33 | 45 | 20 | 0 | 0.05 |
| 5 | 55 | 33 | 44 | 21 | 0 | 0.05 |
| 6 | 55 | 33 | 44 | 21 | 0 | 0.05 |
| 7 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 8 | 54 | 32 | 43 | 22 | 0 | 0.05 |
| 9 | 53 | 31 | 42 | 23 | 0 | 0.04 |
| 10 | 52 | 31 | 42 | 23 | 0 | 0.04 |
| 11 | 52 | 30 | 41 | 24 | 0 | 0.04 |
| 12 | 51 | 30 | 41 | 24 | 0 | 0.04 |
| 13 | 50 | 30 | 40 | 25 | 0 | 0.04 |
| 14 | 50 | 30 | 40 | 25 | 0 | 0.04 |
| 15 | 49 | 29 | 39 | 26 | 0 | 0.04 |
| 16 | 49 | 29 | 39 | 26 | 0 | 0.04 |
| 17 | 49 | 28 | 39 | 26 | 0 | 0.04 |
| 18 | 48 | 28 | 38 | 27 | 0 | 0.04 |
| 19 | 48 | 28 | 38 | 27 | 0 | 0.04 |
| 20 | 47 | 27 | 37 | 28 | 0 | 0.04 |
| 21 | 47 | 27 | 37 | 28 | 0 | 0.04 |
| 22 | 47 | 27 | 37 | 28 | 0 | 0.04 |
| 23 | 46 | 26 | 36 | 29 | 0 | 0.04 |
| 24 | 46 | 26 | 36 | 29 | 0 | 0.04 |
| 25 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 26 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 27 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 28 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 29 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 30 | 43 | 24 | 34 | 31 | 0 | 0.04 |
| MTH | 49.9 | 29.1 | 39.5 | 765 | 0 | 1.28 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: OAK CITY UTAH Station Number: 426357

Latitude: 39° 22* 45( Longitude: -112° 20* 24( Elevation (feet): 5070

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.11 | 0.05 | 0.00 | 0.08 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.04 | 5.95 |
| 0.010 | 0.15 | 0.08 | 0.00 | 0.11 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.05 | 6.52 |
| 0.050 | 0.30 | 0.19 | 0.12 | 0.27 | 0.30 | 0.00 | 0.02 | 0.00 | 0.00 | 0.20 | 0.24 | 0.15 | 8.28 |
| 0.100 | 0.42 | 0.30 | 0.29 | 0.41 | 0.44 | 0.00 | 0.06 | 0.00 | 0.13 | 0.41 | 0.35 | 0.24 | 9.34 |
| 0.200 | 0.60 | 0.48 | 0.54 | 0.63 | 0.68 | 0.05 | 0.13 | 0.21 | 0.33 | 0.68 | 0.54 | 0.39 | 10.75 |
| 0.300 | 0.76 | 0.65 | 0.77 | 0.84 | 0.89 | 0.19 | 0.20 | 0.35 | 0.50 | 0.91 | 0.71 | 0.53 | 11.85 |
| 0.400 | 0.92 | 0.82 | 1.00 | 1.06 | 1.11 | 0.34 | 0.28 | 0.48 | 0.67 | 1.14 | 0.89 | 0.69 | 12.84 |
| 0.500 | 1.09 | 1.01 | 1.26 | 1.29 | 1.34 | 0.52 | 0.37 | 0.62 | 0.86 | 1.38 | 1.08 | 0.86 | 13.83 |
| 0.600 | 1.28 | 1.23 | 1.56 | 1.56 | 1.61 | 0.72 | 0.48 | 0.78 | 1.08 | 1.65 | 1.30 | 1.05 | 14.86 |
| 0.700 | 1.50 | 1.50 | 1.92 | 1.88 | 1.93 | 0.98 | 0.61 | 0.97 | 1.33 | 1.98 | 1.56 | 1.29 | 16.02 |
| 0.800 | 1.80 | 1.86 | 2.41 | 2.31 | 2.35 | 1.35 | 0.80 | 1.23 | 1.68 | 2.41 | 1.91 | 1.61 | 17.45 |
| 0.900 | 2.26 | 2.44 | 3.20 | 3.01 | 3.03 | 1.95 | 1.11 | 1.64 | 2.26 | 3.09 | 2.48 | 2.14 | 19.57 |
| 0.950 | 2.70 | 2.99 | 3.95 | 3.67 | 3.68 | 2.57 | 1.42 | 2.05 | 2.81 | 3.74 | 3.01 | 2.65 | 21.44 |
| 0.990 | 3.66 | 4.23 | 5.66 | 5.14 | 5.12 | 3.95 | 2.13 | 2.95 | 4.05 | 5.17 | 4.20 | 3.78 | 25.26 |
| 0.995 | 4.06 | 4.75 | 6.37 | 5.76 | 5.71 | 4.55 | 2.43 | 3.33 | 4.57 | 5.77 | 4.69 | 4.26 | 26.75 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ORDERVILLE UTAH Station Number: 426534

Latitude: 37° 16* 18( Longitude: -112° 38* 19( Elevation (feet): 5460

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 54 | 20 | 37 | 28 | 0 | 0.04 |
| 2 | 54 | 20 | 37 | 28 | 0 | 0.03 |
| 3 | 54 | 20 | 37 | 28 | 0 | 0.03 |
| 4 | 53 | 20 | 36 | 29 | 0 | 0.03 |
| 5 | 53 | 20 | 36 | 29 | 0 | 0.03 |
| 6 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 7 | 52 | 19 | 36 | 29 | 0 | 0.03 |
| 8 | 52 | 19 | 36 | 29 | 0 | 0.03 |
| 9 | 52 | 19 | 36 | 29 | 0 | 0.03 |
| 10 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 11 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 12 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 13 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 14 | 51 | 18 | 35 | 30 | 0 | 0.03 |
| 15 | 51 | 18 | 35 | 30 | 0 | 0.03 |
| 16 | 51 | 18 | 35 | 30 | 0 | 0.03 |
| 17 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 18 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 19 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 20 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 21 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 22 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 23 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 24 | 50 | 18 | 34 | 31 | 0 | 0.04 |
| 25 | 50 | 17 | 34 | 31 | 0 | 0.04 |
| 26 | 49 | 17 | 33 | 32 | 0 | 0.04 |
| 27 | 49 | 17 | 33 | 32 | 0 | 0.04 |
| 28 | 49 | 17 | 33 | 32 | 0 | 0.04 |
| 29 | 49 | 17 | 33 | 32 | 0 | 0.04 |
| 30 | 49 | 17 | 33 | 32 | 0 | 0.04 |
| 31 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| MTH | 50.9 | 18.4 | 34.7 | 939 | 0 | 1.08 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 2 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 3 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 4 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 5 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 6 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 7 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 8 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 9 | 49 | 17 | 33 | 32 | 0 | 0.05 |
| 10 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 11 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 12 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 13 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 14 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 15 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 16 | 49 | 17 | 33 | 32 | 0 | 0.06 |
| 17 | 50 | 17 | 34 | 31 | 0 | 0.06 |
| 18 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 19 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 20 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 21 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 22 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 23 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 24 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 25 | 50 | 18 | 34 | 31 | 0 | 0.06 |
| 26 | 51 | 19 | 35 | 30 | 0 | 0.06 |
| 27 | 51 | 19 | 35 | 30 | 0 | 0.07 |
| 28 | 51 | 19 | 35 | 30 | 0 | 0.07 |
| 29 | 51 | 19 | 35 | 30 | 0 | 0.07 |
| 30 | 51 | 19 | 35 | 30 | 0 | 0.07 |
| 31 | 51 | 20 | 36 | 29 | 0 | 0.07 |
| MTH | 49.7 | 17.7 | 33.7 | 970 | 0 | 1.82 |
| | 51.5 | 19.4 | 35.6 | 2659 | 0 | 4.81 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 20 | 36 | 29 | 0 | 0.06 |
| 2 | 52 | 20 | 36 | 29 | 0 | 0.06 |
| 3 | 52 | 20 | 36 | 29 | 0 | 0.06 |
| 4 | 52 | 21 | 36 | 29 | 0 | 0.06 |
| 5 | 52 | 21 | 37 | 28 | 0 | 0.06 |
| 6 | 53 | 21 | 37 | 28 | 0 | 0.07 |
| 7 | 53 | 21 | 37 | 28 | 0 | 0.07 |
| 8 | 53 | 21 | 37 | 28 | 0 | 0.07 |
| 9 | 53 | 21 | 37 | 28 | 0 | 0.07 |
| 10 | 53 | 21 | 37 | 28 | 0 | 0.07 |
| 11 | 53 | 22 | 38 | 27 | 0 | 0.07 |
| 12 | 54 | 22 | 38 | 27 | 0 | 0.07 |
| 13 | 54 | 22 | 38 | 27 | 0 | 0.07 |
| 14 | 54 | 22 | 38 | 27 | 0 | 0.07 |
| 15 | 54 | 22 | 38 | 27 | 0 | 0.07 |
| 16 | 54 | 23 | 39 | 26 | 0 | 0.07 |
| 17 | 55 | 23 | 39 | 26 | 0 | 0.07 |
| 18 | 55 | 23 | 39 | 26 | 0 | 0.07 |
| 19 | 55 | 23 | 39 | 26 | 0 | 0.07 |
| 20 | 55 | 23 | 39 | 26 | 0 | 0.07 |
| 21 | 55 | 23 | 39 | 26 | 0 | 0.07 |
| 22 | 55 | 24 | 40 | 25 | 0 | 0.07 |
| 23 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| 24 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| 25 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| 26 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| 27 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| 28 | 56 | 24 | 40 | 25 | 0 | 0.07 |
| MTH | 54.1 | 22.3 | 38.2 | 750 | 0 | 1.91 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 24 | 40 | 25 | 0 | 0.07 |
| 2 | 57 | 25 | 41 | 24 | 0 | 0.07 |
| 3 | 57 | 25 | 41 | 24 | 0 | 0.07 |
| 4 | 58 | 25 | 41 | 24 | 0 | 0.07 |
| 5 | 58 | 25 | 41 | 24 | 0 | 0.07 |
| 6 | 58 | 25 | 41 | 24 | 0 | 0.07 |
| 7 | 58 | 25 | 41 | 24 | 0 | 0.07 |
| 8 | 58 | 25 | 42 | 23 | 0 | 0.07 |
| 9 | 58 | 25 | 42 | 23 | 0 | 0.07 |
| 10 | 58 | 25 | 42 | 23 | 0 | 0.07 |
| 11 | 59 | 25 | 42 | 23 | 0 | 0.07 |
| 12 | 59 | 25 | 42 | 23 | 0 | 0.07 |
| 13 | 59 | 25 | 42 | 23 | 0 | 0.07 |
| 14 | 59 | 26 | 43 | 22 | 0 | 0.07 |
| 15 | 60 | 26 | 43 | 22 | 0 | 0.07 |
| 16 | 60 | 26 | 43 | 22 | 0 | 0.07 |
| 17 | 60 | 26 | 43 | 22 | 0 | 0.07 |
| 18 | 60 | 26 | 43 | 22 | 0 | 0.07 |
| 19 | 60 | 26 | 43 | 22 | 0 | 0.07 |
| 20 | 61 | 26 | 44 | 21 | 0 | 0.07 |
| 21 | 61 | 27 | 44 | 21 | 0 | 0.07 |
| 22 | 61 | 27 | 44 | 21 | 0 | 0.06 |
| 23 | 61 | 27 | 44 | 21 | 0 | 0.06 |
| 24 | 61 | 27 | 44 | 21 | 0 | 0.06 |
| 25 | 62 | 27 | 45 | 20 | 0 | 0.06 |
| 26 | 62 | 27 | 45 | 20 | 0 | 0.06 |
| 27 | 63 | 27 | 45 | 20 | 0 | 0.06 |
| 28 | 63 | 27 | 45 | 20 | 0 | 0.06 |
| 29 | 63 | 27 | 45 | 20 | 0 | 0.06 |
| 30 | 64 | 28 | 46 | 19 | 0 | 0.05 |
| 31 | 64 | 28 | 46 | 19 | 0 | 0.05 |
| MTH | 60.0 | 26.0 | 43.0 | 682 | 0 | 2.05 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 64 | 29 | 46 | 19 | 0 | 0.05 |
| 2 | 64 | 29 | 46 | 19 | 0 | 0.04 |
| 3 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 4 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 5 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 6 | 65 | 29 | 47 | 18 | 0 | 0.04 |
| 7 | 66 | 29 | 48 | 17 | 0 | 0.04 |
| 8 | 66 | 29 | 48 | 17 | 0 | 0.04 |
| 9 | 67 | 29 | 48 | 17 | 0 | 0.03 |
| 10 | 67 | 30 | 48 | 17 | 0 | 0.03 |
| 11 | 67 | 30 | 49 | 16 | * | 0.03 |
| 12 | 67 | 30 | 49 | 16 | * | 0.03 |
| 13 | 68 | 30 | 49 | 16 | * | 0.03 |
| 14 | 68 | 30 | 49 | 16 | * | 0.03 |
| 15 | 68 | 31 | 50 | 16 | * | 0.03 |
| 16 | 69 | 31 | 50 | 15 | * | 0.03 |
| 17 | 69 | 31 | 50 | 15 | * | 0.03 |
| 18 | 69 | 31 | 50 | 15 | * | 0.03 |
| 19 | 69 | 32 | 51 | 15 | * | 0.03 |
| 20 | 70 | 32 | 51 | 14 | * | 0.03 |
| 21 | 70 | 32 | 51 | 14 | * | 0.03 |
| 22 | 70 | 32 | 51 | 14 | * | 0.03 |
| 23 | 70 | 32 | 51 | 14 | * | 0.03 |
| 24 | 71 | 33 | 52 | 13 | 0 | 0.03 |
| 25 | 71 | 33 | 52 | 13 | 0 | 0.02 |
| 26 | 71 | 33 | 52 | 13 | 0 | 0.03 |
| 27 | 71 | 33 | 52 | 13 | 0 | 0.03 |
| 28 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 29 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 30 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| MTH | 68.3 | 31.0 | 49.7 | 462 | 2 | 0.98 |
| | 68.5 | 31.8 | 50.2 | 1392 | 29 | 3.92 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 35 | 54 | 12 | 1 | 0.03 |
| 2 | 73 | 35 | 54 | 11 | 0 | 0.03 |
| 3 | 74 | 35 | 54 | 11 | 0 | 0.03 |
| 4 | 74 | 35 | 54 | 11 | 0 | 0.03 |
| 5 | 74 | 36 | 55 | 11 | 1 | 0.03 |
| 6 | 74 | 36 | 55 | 10 | 0 | 0.03 |
| 7 | 74 | 36 | 55 | 10 | 0 | 0.03 |
| 8 | 74 | 36 | 55 | 10 | 0 | 0.03 |
| 9 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 10 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 11 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 12 | 75 | 38 | 57 | 9 | 1 | 0.03 |
| 13 | 76 | 38 | 57 | 9 | 1 | 0.03 |
| 14 | 76 | 38 | 57 | 9 | 1 | 0.03 |
| 15 | 76 | 39 | 58 | 8 | 1 | 0.03 |
| 16 | 77 | 39 | 58 | 8 | 1 | 0.03 |
| 17 | 77 | 39 | 58 | 8 | 1 | 0.03 |
| 18 | 77 | 39 | 58 | 8 | 1 | 0.03 |
| 19 | 78 | 39 | 59 | 7 | 1 | 0.03 |
| 20 | 78 | 40 | 59 | 7 | 1 | 0.03 |
| 21 | 78 | 40 | 59 | 7 | 1 | 0.03 |
| 22 | 79 | 40 | 60 | 6 | 1 | 0.03 |
| 23 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 24 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 25 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 26 | 80 | 40 | 60 | 6 | 1 | 0.03 |
| 27 | 81 | 41 | 61 | 6 | 2 | 0.03 |
| 28 | 82 | 42 | 62 | 5 | 2 | 0.02 |
| 29 | 82 | 42 | 62 | 5 | 2 | 0.02 |
| 30 | 82 | 42 | 62 | 5 | 2 | 0.02 |
| 31 | 83 | 42 | 63 | 4 | 2 | 0.02 |
| MTH | 77.2 | 38.5 | 57.9 | 248 | 27 | 0.89 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ORDERVILLE UTAH Station Number: 426534

Latitude: 37° 16* 18( Longitude: -112° 38* 19( Elevation (feet): 5460

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 43 | 63 | 4 | 2 | 0.02 |
| 2 | 84 | 43 | 63 | 4 | 2 | 0.02 |
| 3 | 85 | 44 | 64 | 3 | 2 | 0.02 |
| 4 | 85 | 44 | 64 | 3 | 2 | 0.02 |
| 5 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 6 | 85 | 44 | 65 | 3 | 3 | 0.02 |
| 7 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 8 | 86 | 44 | 65 | 3 | 3 | 0.02 |
| 9 | 86 | 45 | 66 | 2 | 3 | 0.02 |
| 10 | 87 | 45 | 66 | 2 | 3 | 0.02 |
| 11 | 87 | 45 | 66 | 2 | 3 | 0.02 |
| 12 | 87 | 45 | 66 | 2 | 3 | 0.02 |
| 13 | 88 | 46 | 67 | 2 | 4 | 0.02 |
| 14 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 15 | 88 | 46 | 67 | 2 | 4 | 0.01 |
| 16 | 89 | 47 | 68 | 1 | 4 | 0.02 |
| 17 | 89 | 47 | 68 | 1 | 4 | 0.02 |
| 18 | 89 | 47 | 68 | 1 | 4 | 0.02 |
| 19 | 90 | 47 | 69 | 1 | 5 | 0.02 |
| 20 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 21 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 22 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 23 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 24 | 90 | 48 | 69 | 1 | 5 | 0.02 |
| 25 | 91 | 49 | 70 | 1 | 6 | 0.02 |
| 26 | 91 | 49 | 70 | 1 | 6 | 0.02 |
| 27 | 92 | 50 | 71 | 0 | 6 | 0.02 |
| 28 | 92 | 50 | 71 | 0 | 6 | 0.02 |
| 29 | 92 | 50 | 71 | 0 | 6 | 0.02 |
| 30 | 92 | 50 | 71 | 1 | 7 | 0.02 |
| MTH | 88.3 | 46.5 | 67.4 | 52 | 123 | 0.58 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 92 | 51 | 71 | 0 | 6 | 0.02 |
| 2 | 92 | 51 | 71 | 0 | 6 | 0.02 |
| 3 | 93 | 51 | 72 | 0 | 7 | 0.03 |
| 4 | 93 | 51 | 72 | 0 | 7 | 0.03 |
| 5 | 93 | 52 | 73 | 0 | 8 | 0.03 |
| 6 | 93 | 52 | 73 | 0 | 8 | 0.03 |
| 7 | 93 | 52 | 73 | 0 | 8 | 0.03 |
| 8 | 93 | 52 | 73 | 0 | 8 | 0.03 |
| 9 | 93 | 53 | 73 | 0 | 8 | 0.03 |
| 10 | 93 | 53 | 73 | 0 | 8 | 0.03 |
| 11 | 93 | 53 | 73 | 0 | 8 | 0.03 |
| 12 | 93 | 53 | 73 | 0 | 8 | 0.03 |
| 13 | 94 | 53 | 74 | 0 | 9 | 0.03 |
| 14 | 94 | 53 | 74 | 0 | 9 | 0.04 |
| 15 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 16 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 17 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 18 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 19 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 20 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 21 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 22 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 23 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 24 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 25 | 94 | 54 | 74 | 0 | 9 | 0.04 |
| 26 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 27 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 28 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 29 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 30 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 31 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| MTH | 93.4 | 53.4 | 73.4 | 0 | 261 | 1.15 |
| SUMMER SEASON: | 90.9 | 51.0 | 71.0 | 57 | 612 | 3.38 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 2 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 3 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 4 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 5 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 6 | 93 | 55 | 74 | 0 | 9 | 0.05 |
| 7 | 93 | 54 | 74 | 0 | 9 | 0.05 |
| 8 | 93 | 54 | 73 | 0 | 8 | 0.05 |
| 9 | 92 | 54 | 73 | 0 | 8 | 0.05 |
| 10 | 92 | 54 | 73 | 0 | 8 | 0.06 |
| 11 | 92 | 54 | 73 | 0 | 8 | 0.06 |
| 12 | 92 | 54 | 73 | 0 | 8 | 0.06 |
| 13 | 92 | 54 | 73 | 0 | 8 | 0.06 |
| 14 | 92 | 54 | 73 | 0 | 8 | 0.06 |
| 15 | 91 | 54 | 73 | 0 | 8 | 0.06 |
| 16 | 91 | 54 | 73 | 0 | 8 | 0.06 |
| 17 | 91 | 53 | 72 | 0 | 7 | 0.06 |
| 18 | 91 | 53 | 72 | 0 | 7 | 0.06 |
| 19 | 91 | 53 | 72 | 0 | 7 | 0.06 |
| 20 | 91 | 53 | 72 | 0 | 7 | 0.05 |
| 21 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| 22 | 90 | 53 | 72 | 0 | 7 | 0.05 |
| 23 | 90 | 52 | 71 | 0 | 6 | 0.05 |
| 24 | 90 | 52 | 71 | 0 | 6 | 0.05 |
| 25 | 90 | 52 | 71 | 0 | 6 | 0.05 |
| 26 | 89 | 52 | 71 | 0 | 6 | 0.05 |
| 27 | 89 | 51 | 70 | 1 | 6 | 0.05 |
| 28 | 89 | 51 | 70 | 1 | 6 | 0.05 |
| 29 | 88 | 50 | 69 | 1 | 5 | 0.05 |
| 30 | 88 | 50 | 69 | 1 | 5 | 0.05 |
| 31 | 88 | 50 | 69 | 1 | 5 | 0.05 |
| MTH | 91.1 | 53.2 | 72.2 | 5 | 228 | 1.65 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 50 | 69 | 1 | 5 | 0.05 |
| 2 | 88 | 50 | 69 | 0 | 4 | 0.04 |
| 3 | 87 | 50 | 69 | 0 | 4 | 0.04 |
| 4 | 87 | 50 | 68 | 1 | 4 | 0.04 |
| 5 | 87 | 50 | 68 | 1 | 4 | 0.04 |
| 6 | 87 | 50 | 68 | 1 | 4 | 0.04 |
| 7 | 86 | 50 | 68 | 1 | 4 | 0.04 |
| 8 | 86 | 49 | 67 | 1 | 3 | 0.04 |
| 9 | 86 | 49 | 67 | 1 | 3 | 0.04 |
| 10 | 85 | 49 | 67 | 1 | 3 | 0.04 |
| 11 | 85 | 49 | 67 | 1 | 3 | 0.04 |
| 12 | 85 | 48 | 66 | 1 | 2 | 0.04 |
| 13 | 84 | 47 | 66 | 1 | 2 | 0.04 |
| 14 | 84 | 46 | 65 | 2 | 2 | 0.04 |
| 15 | 84 | 46 | 65 | 2 | 2 | 0.04 |
| 16 | 84 | 46 | 65 | 2 | 2 | 0.04 |
| 17 | 83 | 46 | 65 | 2 | 2 | 0.04 |
| 18 | 83 | 45 | 64 | 3 | 2 | 0.04 |
| 19 | 83 | 45 | 64 | 3 | 2 | 0.04 |
| 20 | 82 | 44 | 63 | 3 | 1 | 0.03 |
| 21 | 82 | 44 | 63 | 3 | 1 | 0.03 |
| 22 | 82 | 44 | 63 | 3 | 1 | 0.03 |
| 23 | 81 | 44 | 63 | 3 | 1 | 0.03 |
| 24 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 25 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 26 | 80 | 42 | 61 | 5 | 1 | 0.04 |
| 27 | 80 | 42 | 61 | 5 | 1 | 0.04 |
| 28 | 79 | 42 | 61 | 5 | 1 | 0.04 |
| 29 | 79 | 41 | 60 | 6 | 1 | 0.04 |
| 30 | 79 | 41 | 60 | 6 | 1 | 0.04 |
| MTH | 83.6 | 46.2 | 64.9 | 72 | 68 | 1.15 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 41 | 60 | 6 | 1 | 0.04 |
| 2 | 78 | 41 | 59 | 7 | 1 | 0.04 |
| 3 | 78 | 41 | 59 | 7 | 1 | 0.04 |
| 4 | 78 | 41 | 59 | 7 | 1 | 0.04 |
| 5 | 77 | 40 | 58 | 7 | 0 | 0.04 |
| 6 | 76 | 40 | 58 | 7 | 0 | 0.04 |
| 7 | 76 | 38 | 57 | 8 | 0 | 0.04 |
| 8 | 76 | 38 | 57 | 8 | 0 | 0.04 |
| 9 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 10 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 11 | 74 | 37 | 56 | 9 | 0 | 0.04 |
| 12 | 74 | 36 | 55 | 10 | 0 | 0.04 |
| 13 | 73 | 36 | 55 | 10 | 0 | 0.04 |
| 14 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 15 | 73 | 35 | 54 | 11 | 0 | 0.04 |
| 16 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 17 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 18 | 71 | 34 | 53 | 12 | 0 | 0.04 |
| 19 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 20 | 70 | 33 | 52 | 13 | 0 | 0.04 |
| 21 | 70 | 32 | 51 | 14 | 0 | 0.04 |
| 22 | 69 | 32 | 51 | 14 | 0 | 0.04 |
| 23 | 68 | 32 | 50 | 15 | 0 | 0.04 |
| 24 | 68 | 32 | 50 | 15 | 0 | 0.04 |
| 25 | 68 | 31 | 50 | 15 | 0 | 0.04 |
| 26 | 68 | 30 | 49 | 16 | 0 | 0.04 |
| 27 | 67 | 30 | 49 | 16 | 0 | 0.04 |
| 28 | 66 | 30 | 48 | 17 | 0 | 0.04 |
| 29 | 66 | 30 | 48 | 17 | 0 | 0.05 |
| 30 | 65 | 29 | 47 | 18 | 0 | 0.05 |
| 31 | 65 | 29 | 47 | 18 | 0 | 0.05 |
| MTH | 72.0 | 34.8 | 53.4 | 363 | 4 | 1.27 |
| AUTUMN SEASON: | 71.4 | 35.0 | 53.2 | 1146 | 72 | 3.63 |
| *ANNUAL:* | 70.6 | 34.3 | 52.5 | 5254 | 713 | 15.74 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 65 | 29 | 47 | 18 | 0 | 0.05 |
| 2 | 64 | 29 | 46 | 19 | 0 | 0.04 |
| 3 | 64 | 29 | 46 | 19 | 0 | 0.04 |
| 4 | 63 | 28 | 45 | 20 | 0 | 0.04 |
| 5 | 63 | 28 | 45 | 20 | 0 | 0.04 |
| 6 | 62 | 26 | 44 | 21 | 0 | 0.04 |
| 7 | 62 | 26 | 44 | 21 | 0 | 0.04 |
| 8 | 61 | 26 | 44 | 21 | 0 | 0.04 |
| 9 | 61 | 25 | 43 | 22 | 0 | 0.04 |
| 10 | 60 | 25 | 43 | 22 | 0 | 0.04 |
| 11 | 60 | 25 | 43 | 22 | 0 | 0.04 |
| 12 | 59 | 25 | 42 | 23 | 0 | 0.04 |
| 13 | 59 | 25 | 42 | 23 | 0 | 0.04 |
| 14 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 15 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 16 | 58 | 24 | 41 | 24 | 0 | 0.04 |
| 17 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 18 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 19 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 20 | 57 | 23 | 40 | 25 | 0 | 0.04 |
| 21 | 56 | 22 | 39 | 26 | 0 | 0.04 |
| 22 | 56 | 22 | 39 | 26 | 0 | 0.04 |
| 23 | 56 | 22 | 39 | 26 | 0 | 0.04 |
| 24 | 55 | 22 | 39 | 26 | 0 | 0.04 |
| 25 | 55 | 21 | 38 | 27 | 0 | 0.04 |
| 26 | 55 | 21 | 38 | 27 | 0 | 0.04 |
| 27 | 54 | 21 | 38 | 27 | 0 | 0.04 |
| 28 | 54 | 21 | 38 | 27 | 0 | 0.04 |
| 29 | 54 | 20 | 37 | 28 | 0 | 0.04 |
| 30 | 54 | 20 | 37 | 28 | 0 | 0.04 |
| MTH | 58.5 | 24.1 | 41.3 | 711 | 0 | 1.21 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: ORDERVILLE UTAH Station Number: 426534

Latitude: 37° 16* 18( Longitude: -112° 38* 19( Elevation (feet): 5460

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.99 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.64 |
| 0.050 | 0.00 | 0.08 | 0.05 | 0.00 | 0.04 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.02 | 0.00 | 8.66 |
| 0.100 | 0.10 | 0.25 | 0.19 | 0.06 | 0.12 | 0.04 | 0.05 | 0.44 | 0.04 | 0.17 | 0.09 | 0.05 | 9.90 |
| 0.200 | 0.36 | 0.53 | 0.47 | 0.20 | 0.26 | 0.12 | 0.20 | 0.72 | 0.18 | 0.40 | 0.24 | 0.19 | 11.56 |
| 0.300 | 0.64 | 0.81 | 0.76 | 0.35 | 0.39 | 0.21 | 0.37 | 0.95 | 0.35 | 0.61 | 0.41 | 0.35 | 12.87 |
| 0.400 | 0.94 | 1.11 | 1.09 | 0.51 | 0.53 | 0.31 | 0.56 | 1.19 | 0.53 | 0.81 | 0.60 | 0.53 | 14.06 |
| 0.500 | 1.29 | 1.45 | 1.47 | 0.70 | 0.68 | 0.42 | 0.79 | 1.43 | 0.76 | 1.04 | 0.83 | 0.73 | 15.24 |
| 0.600 | 1.71 | 1.85 | 1.92 | 0.92 | 0.86 | 0.55 | 1.06 | 1.71 | 1.04 | 1.29 | 1.11 | 0.99 | 16.49 |
| 0.700 | 2.24 | 2.35 | 2.50 | 1.20 | 1.09 | 0.72 | 1.40 | 2.04 | 1.39 | 1.59 | 1.47 | 1.31 | 17.89 |
| 0.800 | 2.97 | 3.04 | 3.31 | 1.60 | 1.40 | 0.94 | 1.89 | 2.47 | 1.90 | 1.99 | 1.97 | 1.77 | 19.64 |
| 0.900 | 4.22 | 4.18 | 4.68 | 2.26 | 1.91 | 1.33 | 2.72 | 3.16 | 2.76 | 2.66 | 2.84 | 2.54 | 22.24 |
| 0.950 | 5.45 | 5.29 | 6.04 | 2.91 | 2.41 | 1.71 | 3.55 | 3.80 | 3.63 | 3.29 | 3.70 | 3.32 | 24.54 |
| 0.990 | 8.29 | 7.83 | 9.16 | 4.41 | 3.55 | 2.58 | 5.47 | 5.23 | 5.64 | 4.71 | 5.71 | 5.11 | 29.26 |
| 0.995 | 9.50 | 8.91 | 10.50 | 5.05 | 4.03 | 2.95 | 6.29 | 5.82 | 6.52 | 5.31 | 6.57 | 5.88 | 31.13 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PANGUITCH UTAH Station Number: 426601

Latitude: 37° 49* 24( Longitude: -112° 25* 53( Elevation (feet): 6610

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| 2 | 45 | 12 | 28 | 37 | 0 | 0.02 |
| 3 | 45 | 12 | 28 | 37 | 0 | 0.02 |
| 4 | 44 | 12 | 28 | 37 | 0 | 0.02 |
| 5 | 44 | 11 | 28 | 37 | 0 | 0.02 |
| 6 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 7 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 8 | 43 | 11 | 27 | 38 | 0 | 0.02 |
| 9 | 43 | 11 | 27 | 38 | 0 | 0.01 |
| 10 | 43 | 10 | 27 | 38 | 0 | 0.01 |
| 11 | 42 | 10 | 26 | 39 | 0 | 0.01 |
| 12 | 42 | 10 | 26 | 39 | 0 | 0.01 |
| 13 | 42 | 10 | 26 | 39 | 0 | 0.01 |
| 14 | 42 | 10 | 26 | 39 | 0 | 0.01 |
| 15 | 42 | 9 | 26 | 39 | 0 | 0.01 |
| 16 | 42 | 9 | 26 | 39 | 0 | 0.01 |
| 17 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 18 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 19 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 20 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 21 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 22 | 41 | 9 | 25 | 40 | 0 | 0.01 |
| 23 | 41 | 8 | 25 | 40 | 0 | 0.01 |
| 24 | 41 | 8 | 25 | 40 | 0 | 0.01 |
| 25 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 26 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 27 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 28 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 29 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 30 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 31 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| MTH | 41.9 | 9.6 | 25.8 | 1215 | 0 | 0.43 |
| WINTER SEASON: | | | | | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 2 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 3 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 4 | 40 | 8 | 24 | 41 | 0 | 0.01 |
| 5 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 6 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 7 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 8 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 9 | 40 | 8 | 24 | 41 | 0 | 0.02 |
| 10 | 40 | 9 | 24 | 41 | 0 | 0.02 |
| 11 | 40 | 9 | 24 | 41 | 0 | 0.02 |
| 12 | 40 | 9 | 24 | 41 | 0 | 0.02 |
| 13 | 40 | 9 | 24 | 41 | 0 | 0.02 |
| 14 | 40 | 9 | 24 | 41 | 0 | 0.02 |
| 15 | 40 | 9 | 25 | 40 | 0 | 0.02 |
| 16 | 40 | 9 | 25 | 40 | 0 | 0.02 |
| 17 | 40 | 9 | 25 | 40 | 0 | 0.02 |
| 18 | 40 | 9 | 25 | 40 | 0 | 0.02 |
| 19 | 40 | 9 | 25 | 40 | 0 | 0.02 |
| 20 | 41 | 9 | 25 | 40 | 0 | 0.02 |
| 21 | 41 | 9 | 25 | 40 | 0 | 0.02 |
| 22 | 41 | 9 | 25 | 40 | 0 | 0.02 |
| 23 | 41 | 9 | 25 | 40 | 0 | 0.02 |
| 24 | 41 | 9 | 25 | 40 | 0 | 0.02 |
| 25 | 41 | 10 | 26 | 39 | 0 | 0.02 |
| 26 | 41 | 10 | 26 | 39 | 0 | 0.02 |
| 27 | 41 | 10 | 26 | 39 | 0 | 0.02 |
| 28 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 29 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 30 | 42 | 10 | 26 | 39 | 0 | 0.02 |
| 31 | 42 | 11 | 27 | 38 | 0 | 0.02 |
| MTH | 40.5 | 9.0 | 24.8 | 1246 | 0 | 0.58 |
| WINTER SEASON: | 42.5 | 10.9 | 26.8 | 3449 | 0 | 1.67 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 2 | 42 | 12 | 27 | 38 | 0 | 0.02 |
| 3 | 43 | 12 | 27 | 38 | 0 | 0.02 |
| 4 | 43 | 12 | 27 | 38 | 0 | 0.02 |
| 5 | 43 | 13 | 28 | 37 | 0 | 0.02 |
| 6 | 43 | 13 | 28 | 37 | 0 | 0.02 |
| 7 | 43 | 13 | 28 | 37 | 0 | 0.02 |
| 8 | 44 | 13 | 28 | 37 | 0 | 0.02 |
| 9 | 44 | 13 | 28 | 37 | 0 | 0.02 |
| 10 | 44 | 13 | 29 | 36 | 0 | 0.02 |
| 11 | 44 | 13 | 29 | 36 | 0 | 0.02 |
| 12 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| 13 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| 14 | 45 | 14 | 29 | 36 | 0 | 0.02 |
| 15 | 45 | 14 | 30 | 35 | 0 | 0.02 |
| 16 | 45 | 14 | 30 | 35 | 0 | 0.02 |
| 17 | 46 | 14 | 30 | 35 | 0 | 0.02 |
| 18 | 46 | 14 | 30 | 35 | 0 | 0.02 |
| 19 | 46 | 15 | 31 | 34 | 0 | 0.03 |
| 20 | 46 | 15 | 31 | 34 | 0 | 0.03 |
| 21 | 47 | 15 | 31 | 34 | 0 | 0.03 |
| 22 | 47 | 15 | 31 | 34 | 0 | 0.03 |
| 23 | 47 | 16 | 32 | 33 | 0 | 0.03 |
| 24 | 48 | 16 | 32 | 33 | 0 | 0.03 |
| 25 | 48 | 16 | 32 | 33 | 0 | 0.03 |
| 26 | 48 | 17 | 33 | 32 | 0 | 0.03 |
| 27 | 48 | 17 | 33 | 32 | 0 | 0.03 |
| 28 | 49 | 17 | 33 | 32 | 0 | 0.03 |
| MTH | 45.2 | 14.1 | 29.7 | 988 | 0 | 0.66 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 49 | 17 | 33 | 32 | 0 | 0.03 |
| 2 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 3 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 4 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 5 | 50 | 18 | 34 | 31 | 0 | 0.03 |
| 6 | 50 | 19 | 35 | 30 | 0 | 0.03 |
| 7 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 8 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 9 | 51 | 19 | 35 | 30 | 0 | 0.03 |
| 10 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 11 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 12 | 52 | 20 | 36 | 29 | 0 | 0.03 |
| 13 | 52 | 20 | 36 | 29 | 0 | 0.02 |
| 14 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 15 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 16 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 17 | 53 | 21 | 37 | 28 | 0 | 0.02 |
| 18 | 54 | 21 | 38 | 27 | 0 | 0.02 |
| 19 | 54 | 21 | 38 | 27 | 0 | 0.02 |
| 20 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 21 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 22 | 54 | 22 | 38 | 27 | 0 | 0.02 |
| 23 | 55 | 22 | 39 | 26 | 0 | 0.02 |
| 24 | 55 | 22 | 39 | 26 | 0 | 0.02 |
| 25 | 56 | 22 | 39 | 26 | 0 | 0.02 |
| 26 | 56 | 22 | 39 | 26 | 0 | 0.02 |
| 27 | 56 | 23 | 40 | 25 | 0 | 0.02 |
| 28 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 29 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 30 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| 31 | 57 | 23 | 40 | 25 | 0 | 0.02 |
| MTH | 53.2 | 20.7 | 37.0 | 868 | 0 | 0.74 |
| SPRING SEASON: | | | | | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 23 | 40 | 25 | 0 | 0.02 |
| 2 | 58 | 24 | 41 | 24 | 0 | 0.02 |
| 3 | 59 | 24 | 41 | 24 | 0 | 0.02 |
| 4 | 59 | 24 | 41 | 24 | 0 | 0.02 |
| 5 | 59 | 24 | 41 | 24 | 0 | 0.02 |
| 6 | 59 | 24 | 41 | 24 | 0 | 0.02 |
| 7 | 59 | 24 | 42 | 23 | 0 | 0.02 |
| 8 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 9 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 10 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 11 | 60 | 24 | 42 | 23 | 0 | 0.02 |
| 12 | 61 | 24 | 43 | 22 | 0 | 0.02 |
| 13 | 61 | 25 | 43 | 22 | 0 | 0.02 |
| 14 | 61 | 25 | 43 | 22 | 0 | 0.02 |
| 15 | 61 | 25 | 43 | 22 | 0 | 0.02 |
| 16 | 62 | 25 | 44 | 21 | 0 | 0.02 |
| 17 | 62 | 25 | 44 | 21 | 0 | 0.02 |
| 18 | 63 | 25 | 44 | 21 | 0 | 0.02 |
| 19 | 63 | 25 | 44 | 21 | 0 | 0.02 |
| 20 | 63 | 26 | 45 | 20 | 0 | 0.02 |
| 21 | 63 | 26 | 45 | 20 | 0 | 0.02 |
| 22 | 64 | 26 | 45 | 20 | 0 | 0.02 |
| 23 | 64 | 27 | 46 | 19 | 0 | 0.02 |
| 24 | 64 | 27 | 46 | 19 | 0 | 0.02 |
| 25 | 65 | 27 | 46 | 19 | 0 | 0.02 |
| 26 | 65 | 27 | 46 | 19 | 0 | 0.02 |
| 27 | 65 | 28 | 47 | 18 | 0 | 0.02 |
| 28 | 66 | 28 | 47 | 18 | 0 | 0.02 |
| 29 | 66 | 28 | 47 | 18 | 0 | 0.02 |
| 30 | 66 | 29 | 48 | 17 | 0 | 0.03 |
| MTH | 61.9 | 25.4 | 43.7 | 639 | 0 | 0.61 |
| SPRING SEASON: | 62.2 | 26.4 | 44.4 | 1896 | 2 | 2.12 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 30 | 48 | 17 | 0 | 0.02 |
| 2 | 67 | 30 | 48 | 17 | 0 | 0.02 |
| 3 | 67 | 30 | 49 | 16 | 0 | 0.02 |
| 4 | 68 | 30 | 49 | 16 | 0 | 0.02 |
| 5 | 68 | 30 | 49 | 16 | 0 | 0.02 |
| 6 | 68 | 30 | 49 | 16 | 0 | 0.03 |
| 7 | 68 | 31 | 50 | 15 | 0 | 0.03 |
| 8 | 69 | 31 | 50 | 15 | 0 | 0.03 |
| 9 | 69 | 31 | 50 | 15 | 0 | 0.03 |
| 10 | 69 | 32 | 51 | 14 | 0 | 0.03 |
| 11 | 70 | 32 | 51 | 14 | 0 | 0.03 |
| 12 | 70 | 32 | 51 | 14 | 0 | 0.03 |
| 13 | 70 | 33 | 52 | 13 | 0 | 0.03 |
| 14 | 71 | 33 | 52 | 13 | 0 | 0.03 |
| 15 | 71 | 33 | 52 | 13 | 0 | 0.03 |
| 16 | 72 | 33 | 53 | 12 | 0 | 0.03 |
| 17 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 18 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 19 | 72 | 34 | 53 | 12 | 0 | 0.03 |
| 20 | 73 | 34 | 54 | 11 | 0 | 0.03 |
| 21 | 73 | 35 | 54 | 11 | 0 | 0.02 |
| 22 | 73 | 35 | 54 | 11 | 0 | 0.02 |
| 23 | 74 | 35 | 55 | 10 | 0 | 0.02 |
| 24 | 75 | 35 | 55 | 10 | 0 | 0.02 |
| 25 | 75 | 35 | 55 | 10 | 0 | 0.02 |
| 26 | 75 | 36 | 56 | 9 | 0 | 0.02 |
| 27 | 76 | 36 | 56 | 9 | 0 | 0.02 |
| 28 | 76 | 36 | 56 | 9 | 0 | 0.02 |
| 29 | 76 | 36 | 56 | 9 | 0 | 0.02 |
| 30 | 77 | 36 | 57 | 9 | 1 | 0.02 |
| 31 | 78 | 36 | 57 | 9 | 1 | 0.02 |
| MTH | 71.7 | 33.2 | 52.5 | 389 | 2 | 0.77 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PANGUITCH UTAH Station Number: 426601

Latitude: 37° 49* 24 ( Longitude: -112° 25* 53 ( Elevation (feet): 6610

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 37 | 57 | 8 | 0 | 0.02 |
| 2 | 78 | 37 | 57 | 8 | 0 | 0.02 |
| 3 | 79 | 37 | 58 | 7 | 0 | 0.02 |
| 4 | 79 | 37 | 58 | 7 | 0 | 0.02 |
| 5 | 79 | 37 | 58 | 7 | 0 | 0.02 |
| 6 | 79 | 37 | 58 | 7 | 0 | 0.02 |
| 7 | 80 | 38 | 59 | 7 | 1 | 0.02 |
| 8 | 81 | 38 | 60 | 6 | 1 | 0.02 |
| 9 | 81 | 38 | 60 | 6 | 1 | 0.02 |
| 10 | 82 | 38 | 60 | 6 | 1 | 0.02 |
| 11 | 82 | 38 | 60 | 6 | 1 | 0.01 |
| 12 | 82 | 39 | 61 | 5 | 1 | 0.01 |
| 13 | 83 | 39 | 61 | 5 | 1 | 0.01 |
| 14 | 83 | 39 | 61 | 5 | 1 | 0.01 |
| 15 | 83 | 39 | 61 | 5 | 1 | 0.01 |
| 16 | 84 | 40 | 62 | 4 | 1 | 0.01 |
| 17 | 84 | 40 | 62 | 4 | 1 | 0.01 |
| 18 | 84 | 40 | 62 | 4 | 1 | 0.02 |
| 19 | 84 | 40 | 62 | 4 | 1 | 0.02 |
| 20 | 85 | 41 | 63 | 3 | 1 | 0.02 |
| 21 | 85 | 41 | 63 | 3 | 1 | 0.02 |
| 22 | 86 | 41 | 64 | 3 | 2 | 0.02 |
| 23 | 86 | 41 | 64 | 3 | 2 | 0.02 |
| 24 | 86 | 42 | 64 | 3 | 2 | 0.02 |
| 25 | 86 | 42 | 64 | 3 | 2 | 0.02 |
| 26 | 86 | 42 | 64 | 3 | 2 | 0.02 |
| 27 | 86 | 43 | 65 | 2 | 2 | 0.02 |
| 28 | 87 | 43 | 65 | 2 | 2 | 0.02 |
| 29 | 87 | 43 | 65 | 2 | 2 | 0.02 |
| 30 | 87 | 43 | 65 | 2 | 2 | 0.02 |
| MTH | 83.1 | 39.7 | 61.4 | 140 | 33 | 0.53 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 44 | 65 | 2 | 2 | 0.02 |
| 2 | 87 | 45 | 66 | 2 | 3 | 0.02 |
| 3 | 88 | 45 | 66 | 2 | 3 | 0.02 |
| 4 | 88 | 45 | 66 | 2 | 3 | 0.03 |
| 5 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 6 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 7 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 8 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 9 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 10 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 11 | 88 | 46 | 67 | 1 | 3 | 0.03 |
| 12 | 88 | 47 | 67 | 1 | 3 | 0.03 |
| 13 | 89 | 47 | 68 | 1 | 4 | 0.03 |
| 14 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 15 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 16 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 17 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 18 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 19 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 20 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 21 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 22 | 89 | 47 | 68 | 1 | 4 | 0.04 |
| 23 | 89 | 48 | 69 | 0 | 4 | 0.05 |
| 24 | 89 | 48 | 69 | 0 | 4 | 0.05 |
| 25 | 89 | 48 | 69 | 0 | 4 | 0.05 |
| 26 | 89 | 48 | 69 | 0 | 4 | 0.05 |
| 27 | 88 | 48 | 68 | 0 | 3 | 0.05 |
| 28 | 88 | 48 | 68 | 0 | 3 | 0.05 |
| 29 | 88 | 48 | 68 | 0 | 3 | 0.05 |
| 30 | 88 | 48 | 68 | 0 | 3 | 0.05 |
| 31 | 88 | 48 | 68 | 0 | 3 | 0.06 |
| MTH | 88.4 | 46.8 | 67.6 | 26 | 106 | 1.18 |
| SUMMER SEASON: | 85.6 | 44.0 | 64.8 | 217 | 202 | 3.58 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 48 | 68 | 0 | 3 | 0.06 |
| 2 | 88 | 48 | 68 | 0 | 3 | 0.06 |
| 3 | 88 | 48 | 68 | 0 | 3 | 0.06 |
| 4 | 87 | 48 | 67 | 1 | 3 | 0.06 |
| 5 | 87 | 48 | 67 | 1 | 3 | 0.06 |
| 6 | 87 | 47 | 67 | 1 | 3 | 0.06 |
| 7 | 87 | 47 | 67 | 1 | 3 | 0.06 |
| 8 | 87 | 47 | 67 | 1 | 3 | 0.06 |
| 9 | 87 | 47 | 67 | 1 | 3 | 0.06 |
| 10 | 86 | 46 | 66 | 1 | 2 | 0.06 |
| 11 | 86 | 46 | 66 | 1 | 2 | 0.07 |
| 12 | 86 | 46 | 66 | 1 | 2 | 0.07 |
| 13 | 86 | 46 | 66 | 1 | 2 | 0.07 |
| 14 | 86 | 46 | 66 | 1 | 2 | 0.07 |
| 15 | 86 | 46 | 66 | 1 | 2 | 0.07 |
| 16 | 85 | 46 | 66 | 1 | 2 | 0.06 |
| 17 | 85 | 45 | 65 | 2 | 2 | 0.06 |
| 18 | 85 | 45 | 65 | 2 | 2 | 0.06 |
| 19 | 85 | 45 | 65 | 2 | 2 | 0.06 |
| 20 | 85 | 45 | 65 | 2 | 2 | 0.06 |
| 21 | 84 | 45 | 65 | 2 | 2 | 0.06 |
| 22 | 84 | 45 | 65 | 2 | 2 | 0.06 |
| 23 | 84 | 45 | 65 | 2 | 2 | 0.06 |
| 24 | 84 | 44 | 64 | 2 | 1 | 0.06 |
| 25 | 84 | 44 | 64 | 2 | 1 | 0.06 |
| 26 | 83 | 43 | 63 | 3 | 1 | 0.06 |
| 27 | 83 | 43 | 63 | 3 | 1 | 0.06 |
| 28 | 83 | 43 | 63 | 3 | 1 | 0.05 |
| 29 | 83 | 43 | 63 | 3 | 1 | 0.05 |
| 30 | 82 | 42 | 62 | 4 | 1 | 0.05 |
| 31 | 82 | 42 | 62 | 4 | 1 | 0.05 |
| MTH | 85.3 | 45.5 | 65.4 | 51 | 63 | 1.87 |

**SEPTEMBER**

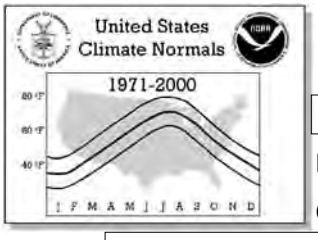
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 42 | 62 | 4 | 1 | 0.05 |
| 2 | 82 | 42 | 62 | 4 | 1 | 0.04 |
| 3 | 82 | 42 | 62 | 5 | 2 | 0.04 |
| 4 | 81 | 42 | 61 | 5 | 1 | 0.04 |
| 5 | 81 | 42 | 61 | 5 | 1 | 0.04 |
| 6 | 81 | 42 | 61 | 5 | 1 | 0.04 |
| 7 | 81 | 42 | 61 | 5 | 1 | 0.04 |
| 8 | 80 | 40 | 60 | 5 | 0 | 0.03 |
| 9 | 79 | 39 | 59 | 6 | 0 | 0.03 |
| 10 | 79 | 39 | 59 | 6 | 0 | 0.03 |
| 11 | 79 | 39 | 59 | 6 | 0 | 0.03 |
| 12 | 79 | 38 | 59 | 6 | 0 | 0.03 |
| 13 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 14 | 78 | 38 | 58 | 7 | 0 | 0.03 |
| 15 | 78 | 37 | 58 | 7 | 0 | 0.03 |
| 16 | 78 | 36 | 57 | 8 | 0 | 0.03 |
| 17 | 78 | 36 | 57 | 8 | 0 | 0.03 |
| 18 | 77 | 36 | 57 | 8 | 0 | 0.03 |
| 19 | 77 | 35 | 56 | 9 | 0 | 0.03 |
| 20 | 77 | 35 | 56 | 9 | 0 | 0.03 |
| 21 | 76 | 35 | 56 | 9 | 0 | 0.03 |
| 22 | 76 | 34 | 55 | 10 | 0 | 0.03 |
| 23 | 76 | 34 | 55 | 10 | 0 | 0.03 |
| 24 | 75 | 34 | 55 | 10 | 0 | 0.03 |
| 25 | 75 | 33 | 54 | 11 | 0 | 0.03 |
| 26 | 74 | 33 | 54 | 11 | 0 | 0.03 |
| 27 | 74 | 33 | 54 | 11 | 0 | 0.03 |
| 28 | 74 | 32 | 53 | 12 | 0 | 0.03 |
| 29 | 73 | 32 | 53 | 12 | 0 | 0.03 |
| 30 | 73 | 32 | 52 | 13 | 0 | 0.03 |
| MTH | 77.8 | 37.1 | 57.5 | 234 | 8 | 0.98 |
| AUTUMN SEASON: | 64.8 | 26.9 | 45.9 | 1750 | 8 | 2.70 |
| *ANNUAL:* | 63.8 | 27.1 | 45.5 | 7312 | 212 | 10.07 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 32 | 52 | 13 | 0 | 0.03 |
| 2 | 73 | 32 | 52 | 13 | 0 | 0.03 |
| 3 | 72 | 31 | 51 | 14 | 0 | 0.03 |
| 4 | 72 | 31 | 51 | 14 | 0 | 0.03 |
| 5 | 72 | 30 | 51 | 14 | 0 | 0.03 |
| 6 | 70 | 30 | 50 | 15 | 0 | 0.03 |
| 7 | 70 | 30 | 50 | 15 | 0 | 0.03 |
| 8 | 69 | 29 | 49 | 16 | 0 | 0.03 |
| 9 | 69 | 29 | 49 | 16 | 0 | 0.03 |
| 10 | 69 | 28 | 49 | 16 | 0 | 0.03 |
| 11 | 68 | 28 | 48 | 17 | 0 | 0.03 |
| 12 | 68 | 28 | 48 | 17 | 0 | 0.04 |
| 13 | 68 | 27 | 48 | 17 | 0 | 0.04 |
| 14 | 67 | 27 | 47 | 18 | 0 | 0.04 |
| 15 | 67 | 27 | 47 | 18 | 0 | 0.04 |
| 16 | 66 | 26 | 46 | 19 | 0 | 0.04 |
| 17 | 66 | 26 | 46 | 19 | 0 | 0.04 |
| 18 | 65 | 25 | 45 | 20 | 0 | 0.04 |
| 19 | 65 | 25 | 45 | 20 | 0 | 0.04 |
| 20 | 64 | 25 | 45 | 20 | 0 | 0.04 |
| 21 | 64 | 24 | 44 | 21 | 0 | 0.04 |
| 22 | 63 | 24 | 44 | 21 | 0 | 0.03 |
| 23 | 62 | 24 | 43 | 22 | 0 | 0.03 |
| 24 | 62 | 24 | 43 | 22 | 0 | 0.03 |
| 25 | 62 | 24 | 43 | 22 | 0 | 0.03 |
| 26 | 61 | 23 | 42 | 23 | 0 | 0.03 |
| 27 | 60 | 23 | 42 | 23 | 0 | 0.03 |
| 28 | 60 | 22 | 41 | 24 | 0 | 0.03 |
| 29 | 59 | 22 | 41 | 24 | 0 | 0.03 |
| 30 | 58 | 22 | 40 | 25 | 0 | 0.03 |
| 31 | 58 | 22 | 40 | 25 | 0 | 0.03 |
| MTH | 65.9 | 26.5 | 46.2 | 583 | 0 | 1.03 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 22 | 40 | 25 | 0 | 0.03 |
| 2 | 57 | 22 | 39 | 26 | 0 | 0.03 |
| 3 | 57 | 22 | 39 | 26 | 0 | 0.03 |
| 4 | 56 | 21 | 38 | 27 | 0 | 0.03 |
| 5 | 56 | 20 | 38 | 27 | 0 | 0.03 |
| 6 | 55 | 20 | 37 | 28 | 0 | 0.03 |
| 7 | 54 | 20 | 37 | 28 | 0 | 0.03 |
| 8 | 54 | 19 | 37 | 28 | 0 | 0.03 |
| 9 | 53 | 19 | 36 | 29 | 0 | 0.03 |
| 10 | 53 | 19 | 36 | 29 | 0 | 0.02 |
| 11 | 52 | 18 | 35 | 30 | 0 | 0.02 |
| 12 | 52 | 18 | 35 | 30 | 0 | 0.02 |
| 13 | 51 | 18 | 35 | 30 | 0 | 0.02 |
| 14 | 51 | 17 | 34 | 31 | 0 | 0.02 |
| 15 | 51 | 17 | 34 | 31 | 0 | 0.02 |
| 16 | 50 | 17 | 34 | 31 | 0 | 0.02 |
| 17 | 50 | 16 | 33 | 32 | 0 | 0.02 |
| 18 | 49 | 16 | 33 | 32 | 0 | 0.02 |
| 19 | 49 | 15 | 32 | 33 | 0 | 0.02 |
| 20 | 49 | 15 | 32 | 33 | 0 | 0.02 |
| 21 | 48 | 15 | 32 | 33 | 0 | 0.02 |
| 22 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 23 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 24 | 47 | 15 | 31 | 34 | 0 | 0.02 |
| 25 | 46 | 14 | 30 | 35 | 0 | 0.02 |
| 26 | 46 | 14 | 30 | 35 | 0 | 0.02 |
| 27 | 46 | 14 | 30 | 35 | 0 | 0.02 |
| 28 | 46 | 13 | 30 | 35 | 0 | 0.02 |
| 29 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| 30 | 45 | 13 | 29 | 36 | 0 | 0.02 |
| MTH | 50.7 | 17.1 | 33.9 | 933 | 0 | 0.69 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PANGUITCH UTAH Station Number: 426601

Latitude: 37° 49* 24( Longitude: -112° 25* 53( Elevation (feet): 6610

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 5.16 |
| 0.010 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 5.53 |
| 0.050 | 0.06 | 0.04 | 0.05 | 0.05 | 0.02 | 0.00 | 0.26 | 0.23 | 0.01 | 0.00 | 0.08 | 0.00 | 6.63 |
| 0.100 | 0.10 | 0.09 | 0.13 | 0.09 | 0.08 | 0.00 | 0.37 | 0.47 | 0.05 | 0.04 | 0.13 | 0.02 | 7.28 |
| 0.200 | 0.18 | 0.17 | 0.24 | 0.17 | 0.19 | 0.06 | 0.54 | 0.78 | 0.15 | 0.18 | 0.23 | 0.08 | 8.11 |
| 0.300 | 0.26 | 0.26 | 0.35 | 0.26 | 0.29 | 0.14 | 0.70 | 1.05 | 0.28 | 0.33 | 0.32 | 0.14 | 8.76 |
| 0.400 | 0.35 | 0.36 | 0.47 | 0.35 | 0.42 | 0.24 | 0.85 | 1.32 | 0.43 | 0.50 | 0.43 | 0.22 | 9.33 |
| 0.500 | 0.45 | 0.48 | 0.59 | 0.46 | 0.56 | 0.35 | 1.02 | 1.60 | 0.62 | 0.70 | 0.54 | 0.30 | 9.90 |
| 0.600 | 0.56 | 0.62 | 0.74 | 0.59 | 0.72 | 0.48 | 1.21 | 1.92 | 0.86 | 0.95 | 0.68 | 0.40 | 10.48 |
| 0.700 | 0.70 | 0.80 | 0.91 | 0.75 | 0.94 | 0.66 | 1.43 | 2.31 | 1.17 | 1.26 | 0.85 | 0.52 | 11.13 |
| 0.800 | 0.90 | 1.05 | 1.15 | 0.97 | 1.23 | 0.90 | 1.73 | 2.81 | 1.61 | 1.69 | 1.07 | 0.70 | 11.92 |
| 0.900 | 1.22 | 1.47 | 1.54 | 1.34 | 1.72 | 1.30 | 2.20 | 3.62 | 2.38 | 2.44 | 1.45 | 1.00 | 13.08 |
| 0.950 | 1.54 | 1.89 | 1.92 | 1.70 | 2.21 | 1.71 | 2.64 | 4.39 | 3.17 | 3.19 | 1.82 | 1.29 | 14.10 |
| 0.990 | 2.26 | 2.86 | 2.77 | 2.54 | 3.32 | 2.66 | 3.62 | 6.08 | 5.01 | 4.91 | 2.65 | 1.97 | 16.13 |
| 0.995 | 2.56 | 3.27 | 3.13 | 2.89 | 3.80 | 3.06 | 4.02 | 6.78 | 5.81 | 5.65 | 3.00 | 2.27 | 16.92 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PAROWAN POWER PLANT UTAH Station Number: 426686

Latitude: 37 B 50 * 20 ( Longitude: -112 B 49 * 53 ( Elevation (feet): 6000

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 2 | 46 | 17 | 32 | 33 | 0 | 0.03 |
| 3 | 46 | 17 | 31 | 34 | 0 | 0.03 |
| 4 | 46 | 17 | 31 | 34 | 0 | 0.03 |
| 5 | 45 | 17 | 31 | 34 | 0 | 0.03 |
| 6 | 45 | 17 | 31 | 34 | 0 | 0.03 |
| 7 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 8 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 9 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 10 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 11 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 12 | 44 | 15 | 30 | 35 | 0 | 0.02 |
| 13 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 14 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 15 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 16 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 17 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 18 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 19 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 20 | 43 | 14 | 29 | 36 | 0 | 0.02 |
| 21 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 22 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 23 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 24 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 25 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 26 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 27 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 28 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 29 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 30 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 31 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| MTH | 43.4 | 15.2 | 29.3 | 1107 | 0 | 0.78 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 2 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 3 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 4 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 5 | 41 | 14 | 28 | 37 | 0 | 0.03 |
| 6 | 41 | 14 | 27 | 38 | 0 | 0.03 |
| 7 | 41 | 14 | 28 | 37 | 0 | 0.03 |
| 8 | 41 | 14 | 28 | 37 | 0 | 0.03 |
| 9 | 41 | 14 | 28 | 37 | 0 | 0.03 |
| 10 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 11 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 12 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 13 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 14 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 15 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 16 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 17 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 18 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 19 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 20 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 21 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 22 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 23 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 24 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 25 | 43 | 15 | 29 | 36 | 0 | 0.03 |
| 26 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| 27 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| 28 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| 29 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| 30 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| 31 | 43 | 15 | 29 | 36 | 0 | 0.04 |
| MTH | 42.1 | 14.3 | 28.2 | 1141 | 0 | 0.99 |
| | 43.9 | 15.8 | 29.9 | 3169 | 0 | 2.87 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 15 | 30 | 35 | 0 | 0.03 |
| 2 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 3 | 45 | 16 | 30 | 35 | 0 | 0.04 |
| 4 | 45 | 16 | 30 | 35 | 0 | 0.04 |
| 5 | 45 | 16 | 30 | 35 | 0 | 0.04 |
| 6 | 45 | 16 | 30 | 35 | 0 | 0.04 |
| 7 | 45 | 16 | 31 | 34 | 0 | 0.04 |
| 8 | 45 | 16 | 31 | 34 | 0 | 0.04 |
| 9 | 45 | 17 | 31 | 34 | 0 | 0.04 |
| 10 | 45 | 17 | 31 | 34 | 0 | 0.04 |
| 11 | 45 | 17 | 31 | 34 | 0 | 0.04 |
| 12 | 46 | 17 | 32 | 33 | 0 | 0.04 |
| 13 | 46 | 17 | 32 | 33 | 0 | 0.04 |
| 14 | 46 | 17 | 32 | 33 | 0 | 0.04 |
| 15 | 46 | 18 | 32 | 33 | 0 | 0.04 |
| 16 | 46 | 18 | 32 | 33 | 0 | 0.04 |
| 17 | 46 | 18 | 32 | 33 | 0 | 0.04 |
| 18 | 47 | 18 | 33 | 32 | 0 | 0.04 |
| 19 | 47 | 19 | 33 | 32 | 0 | 0.04 |
| 20 | 47 | 19 | 33 | 32 | 0 | 0.04 |
| 21 | 47 | 19 | 33 | 32 | 0 | 0.04 |
| 22 | 48 | 19 | 34 | 31 | 0 | 0.04 |
| 23 | 48 | 19 | 34 | 31 | 0 | 0.04 |
| 24 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 25 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 26 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 27 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 28 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| MTH | 46.3 | 17.8 | 32.1 | 921 | 0 | 1.10 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 2 | 50 | 21 | 35 | 30 | 0 | 0.04 |
| 3 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 4 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 5 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 6 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 7 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 8 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 9 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 10 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 11 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 12 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 13 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 14 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 15 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 16 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 17 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 18 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 19 | 53 | 25 | 39 | 26 | 0 | 0.05 |
| 20 | 54 | 25 | 40 | 25 | 0 | 0.05 |
| 21 | 54 | 26 | 40 | 25 | 0 | 0.05 |
| 22 | 54 | 26 | 40 | 25 | 0 | 0.05 |
| 23 | 54 | 26 | 40 | 25 | 0 | 0.05 |
| 24 | 54 | 26 | 40 | 25 | 0 | 0.05 |
| 25 | 55 | 26 | 41 | 24 | 0 | 0.05 |
| 26 | 55 | 26 | 41 | 24 | 0 | 0.05 |
| 27 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 28 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 29 | 55 | 27 | 41 | 24 | 0 | 0.05 |
| 30 | 56 | 27 | 42 | 23 | 0 | 0.05 |
| 31 | 56 | 27 | 42 | 23 | 0 | 0.05 |
| MTH | 52.7 | 24.5 | 38.6 | 818 | 0 | 1.37 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 27 | 42 | 23 | 0 | 0.05 |
| 2 | 57 | 27 | 42 | 23 | 0 | 0.05 |
| 3 | 57 | 27 | 42 | 23 | 0 | 0.05 |
| 4 | 57 | 28 | 42 | 23 | 0 | 0.05 |
| 5 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 6 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 7 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 8 | 58 | 28 | 43 | 22 | 0 | 0.05 |
| 9 | 58 | 29 | 44 | 21 | 0 | 0.04 |
| 10 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 11 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 12 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 13 | 60 | 29 | 45 | 20 | 0 | 0.04 |
| 14 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 15 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 16 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 17 | 61 | 30 | 46 | 19 | 0 | 0.04 |
| 18 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 19 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 20 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 21 | 62 | 31 | 47 | 18 | 0 | 0.04 |
| 22 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 23 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 24 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 25 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 26 | 63 | 33 | 48 | 17 | 0 | 0.04 |
| 27 | 63 | 33 | 48 | 17 | 0 | 0.04 |
| 28 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 29 | 64 | 34 | 49 | 16 | 0 | 0.04 |
| 30 | 64 | 34 | 49 | 16 | 0 | 0.04 |
| MTH | 60.3 | 30.2 | 45.3 | 591 | 0 | 1.28 |
| | 61.1 | 31.2 | 46.2 | 1740 | 12 | 3.61 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 66 | 35 | 50 | 15 | 0 | 0.04 |
| 2 | 66 | 35 | 50 | 15 | 0 | 0.04 |
| 3 | 66 | 35 | 50 | 15 | 0 | 0.04 |
| 4 | 66 | 36 | 51 | 14 | 0 | 0.04 |
| 5 | 67 | 36 | 51 | 14 | 0 | 0.04 |
| 6 | 67 | 36 | 51 | 14 | 0 | 0.04 |
| 7 | 67 | 36 | 52 | 13 | 0 | 0.04 |
| 8 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 9 | 67 | 37 | 52 | 13 | 0 | 0.04 |
| 10 | 68 | 37 | 53 | 12 | 0 | 0.03 |
| 11 | 68 | 38 | 53 | 12 | 0 | 0.03 |
| 12 | 68 | 38 | 53 | 12 | 0 | 0.03 |
| 13 | 69 | 38 | 54 | 11 | 0 | 0.03 |
| 14 | 69 | 39 | 54 | 11 | 0 | 0.03 |
| 15 | 69 | 39 | 54 | 11 | 0 | 0.03 |
| 16 | 70 | 39 | 55 | 10 | 0 | 0.03 |
| 17 | 71 | 39 | 55 | 10 | 0 | 0.03 |
| 18 | 71 | 39 | 55 | 10 | 0 | 0.03 |
| 19 | 71 | 39 | 55 | 10 | 0 | 0.03 |
| 20 | 72 | 40 | 56 | 10 | 1 | 0.03 |
| 21 | 72 | 41 | 57 | 9 | 1 | 0.03 |
| 22 | 73 | 41 | 57 | 9 | 1 | 0.03 |
| 23 | 73 | 41 | 57 | 9 | 1 | 0.03 |
| 24 | 73 | 41 | 57 | 9 | 1 | 0.03 |
| 25 | 74 | 42 | 58 | 8 | 1 | 0.03 |
| 26 | 74 | 42 | 58 | 8 | 1 | 0.02 |
| 27 | 74 | 42 | 58 | 8 | 1 | 0.02 |
| 28 | 75 | 42 | 59 | 7 | 1 | 0.02 |
| 29 | 76 | 42 | 59 | 7 | 1 | 0.02 |
| 30 | 76 | 43 | 60 | 6 | 1 | 0.02 |
| 31 | 76 | 43 | 60 | 6 | 1 | 0.02 |
| MTH | 70.4 | 39.0 | 54.7 | 331 | 12 | 0.96 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PAROWAN POWER PLANT UTAH Station Number: 426686

Latitude: 37° 50* 20 ( Longitude: -112° 49* 53 ( Elevation (feet): 6000

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 44 | 60 | 6 | 1 | 0.02 |
| 2 | 77 | 44 | 60 | 6 | 1 | 0.02 |
| 3 | 78 | 44 | 61 | 6 | 2 | 0.02 |
| 4 | 78 | 45 | 61 | 6 | 2 | 0.02 |
| 5 | 78 | 45 | 61 | 6 | 2 | 0.02 |
| 6 | 79 | 45 | 62 | 5 | 2 | 0.02 |
| 7 | 80 | 45 | 62 | 5 | 2 | 0.02 |
| 8 | 80 | 45 | 62 | 5 | 2 | 0.02 |
| 9 | 80 | 45 | 63 | 4 | 2 | 0.02 |
| 10 | 80 | 46 | 63 | 4 | 2 | 0.01 |
| 11 | 80 | 46 | 63 | 4 | 2 | 0.01 |
| 12 | 81 | 46 | 63 | 4 | 2 | 0.01 |
| 13 | 82 | 46 | 64 | 4 | 3 | 0.01 |
| 14 | 82 | 46 | 64 | 4 | 3 | 0.01 |
| 15 | 82 | 47 | 65 | 3 | 3 | 0.01 |
| 16 | 83 | 47 | 65 | 3 | 3 | 0.01 |
| 17 | 83 | 47 | 65 | 3 | 3 | 0.01 |
| 18 | 83 | 47 | 65 | 3 | 3 | 0.01 |
| 19 | 83 | 48 | 66 | 2 | 3 | 0.01 |
| 20 | 84 | 48 | 66 | 2 | 3 | 0.02 |
| 21 | 84 | 49 | 67 | 2 | 4 | 0.02 |
| 22 | 84 | 49 | 67 | 2 | 4 | 0.02 |
| 23 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 24 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 25 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 26 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 27 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 28 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 29 | 86 | 51 | 69 | 1 | 5 | 0.02 |
| 30 | 86 | 51 | 69 | 1 | 5 | 0.02 |
| MTH | 82.1 | 47.1 | 64.6 | 103 | 90 | 0.50 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 52 | 69 | 1 | 5 | 0.02 |
| 2 | 87 | 52 | 69 | 1 | 5 | 0.02 |
| 3 | 87 | 52 | 69 | 1 | 5 | 0.02 |
| 4 | 87 | 52 | 70 | 1 | 6 | 0.03 |
| 5 | 87 | 53 | 70 | 1 | 6 | 0.03 |
| 6 | 87 | 53 | 70 | 1 | 6 | 0.03 |
| 7 | 87 | 53 | 70 | 1 | 6 | 0.03 |
| 8 | 87 | 53 | 70 | 1 | 6 | 0.03 |
| 9 | 88 | 54 | 71 | 0 | 6 | 0.03 |
| 10 | 88 | 54 | 71 | 0 | 6 | 0.03 |
| 11 | 88 | 54 | 71 | 0 | 6 | 0.03 |
| 12 | 88 | 54 | 71 | 0 | 6 | 0.03 |
| 13 | 88 | 54 | 71 | 0 | 6 | 0.03 |
| 14 | 88 | 55 | 72 | 0 | 7 | 0.03 |
| 15 | 88 | 55 | 72 | 0 | 7 | 0.03 |
| 16 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 17 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 18 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 19 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 20 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 21 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 22 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 23 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 24 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 25 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 26 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 27 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 28 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 29 | 88 | 55 | 71 | 0 | 6 | 0.05 |
| 30 | 88 | 55 | 71 | 0 | 6 | 0.05 |
| 31 | 88 | 55 | 71 | 0 | 6 | 0.05 |
| MTH | 88.0 | 54.2 | 71.1 | 8 | 198 | 1.09 |
| SUMMER SEASON: | 85.3 | 51.1 | 68.3 | 126 | 431 | 3.09 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 55 | 71 | 0 | 6 | 0.05 |
| 2 | 88 | 55 | 71 | 0 | 6 | 0.05 |
| 3 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 4 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 5 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 6 | 88 | 54 | 71 | 0 | 6 | 0.05 |
| 7 | 87 | 54 | 71 | 0 | 6 | 0.05 |
| 8 | 87 | 54 | 71 | 0 | 6 | 0.05 |
| 9 | 87 | 53 | 70 | 0 | 5 | 0.05 |
| 10 | 87 | 53 | 70 | 0 | 5 | 0.05 |
| 11 | 87 | 53 | 70 | 0 | 5 | 0.05 |
| 12 | 87 | 53 | 70 | 0 | 5 | 0.05 |
| 13 | 87 | 53 | 70 | 0 | 5 | 0.05 |
| 14 | 86 | 53 | 70 | 0 | 5 | 0.05 |
| 15 | 86 | 53 | 70 | 0 | 5 | 0.05 |
| 16 | 86 | 53 | 70 | 0 | 5 | 0.05 |
| 17 | 86 | 53 | 70 | 0 | 5 | 0.05 |
| 18 | 86 | 52 | 69 | 0 | 4 | 0.05 |
| 19 | 86 | 52 | 69 | 0 | 4 | 0.05 |
| 20 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 21 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 22 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 23 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 24 | 85 | 51 | 68 | 1 | 4 | 0.05 |
| 25 | 84 | 51 | 68 | 1 | 4 | 0.05 |
| 26 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 27 | 84 | 50 | 67 | 1 | 3 | 0.04 |
| 28 | 84 | 49 | 67 | 1 | 3 | 0.04 |
| 29 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 30 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 31 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| MTH | 85.9 | 52.2 | 69.1 | 15 | 143 | 1.50 |

**SEPTEMBER**

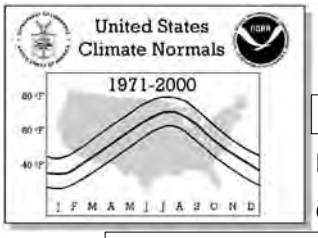
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 2 | 82 | 49 | 65 | 2 | 2 | 0.04 |
| 3 | 82 | 49 | 65 | 2 | 2 | 0.04 |
| 4 | 82 | 49 | 65 | 2 | 2 | 0.04 |
| 5 | 81 | 48 | 64 | 3 | 2 | 0.04 |
| 6 | 81 | 48 | 64 | 3 | 2 | 0.03 |
| 7 | 81 | 46 | 64 | 3 | 2 | 0.03 |
| 8 | 81 | 46 | 64 | 3 | 2 | 0.03 |
| 9 | 81 | 46 | 64 | 3 | 2 | 0.03 |
| 10 | 81 | 46 | 63 | 3 | 1 | 0.03 |
| 11 | 81 | 46 | 63 | 4 | 2 | 0.03 |
| 12 | 79 | 45 | 62 | 4 | 1 | 0.03 |
| 13 | 79 | 45 | 62 | 4 | 1 | 0.03 |
| 14 | 79 | 44 | 62 | 4 | 1 | 0.03 |
| 15 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 16 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 17 | 78 | 43 | 61 | 5 | 1 | 0.03 |
| 18 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 19 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 20 | 77 | 42 | 60 | 6 | 1 | 0.03 |
| 21 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 22 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 23 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 24 | 76 | 40 | 58 | 7 | 0 | 0.03 |
| 25 | 75 | 40 | 58 | 7 | 0 | 0.03 |
| 26 | 75 | 39 | 57 | 8 | 0 | 0.03 |
| 27 | 75 | 39 | 57 | 8 | 0 | 0.04 |
| 28 | 74 | 39 | 57 | 8 | 0 | 0.04 |
| 29 | 74 | 38 | 56 | 9 | 0 | 0.04 |
| 30 | 74 | 38 | 56 | 9 | 0 | 0.04 |
| MTH | 78.5 | 43.6 | 61.1 | 152 | 34 | 0.99 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 38 | 56 | 10 | 1 | 0.04 |
| 2 | 73 | 38 | 55 | 11 | 1 | 0.04 |
| 3 | 72 | 38 | 55 | 11 | 1 | 0.04 |
| 4 | 71 | 38 | 55 | 11 | 1 | 0.04 |
| 5 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 6 | 71 | 36 | 54 | 11 | 0 | 0.04 |
| 7 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 8 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 9 | 70 | 35 | 53 | 12 | 0 | 0.04 |
| 10 | 69 | 35 | 52 | 13 | 0 | 0.04 |
| 11 | 69 | 35 | 52 | 13 | 0 | 0.04 |
| 12 | 68 | 34 | 51 | 14 | 0 | 0.04 |
| 13 | 68 | 34 | 51 | 14 | 0 | 0.05 |
| 14 | 67 | 33 | 50 | 15 | 0 | 0.05 |
| 15 | 67 | 33 | 50 | 15 | 0 | 0.05 |
| 16 | 67 | 33 | 50 | 15 | 0 | 0.05 |
| 17 | 66 | 32 | 49 | 16 | 0 | 0.05 |
| 18 | 66 | 32 | 49 | 16 | 0 | 0.05 |
| 19 | 65 | 31 | 48 | 17 | 0 | 0.05 |
| 20 | 65 | 31 | 48 | 17 | 0 | 0.05 |
| 21 | 64 | 30 | 47 | 18 | 0 | 0.05 |
| 22 | 64 | 30 | 47 | 18 | 0 | 0.05 |
| 23 | 63 | 30 | 47 | 18 | 0 | 0.05 |
| 24 | 62 | 30 | 46 | 19 | 0 | 0.05 |
| 25 | 62 | 29 | 46 | 19 | 0 | 0.05 |
| 26 | 61 | 29 | 45 | 20 | 0 | 0.05 |
| 27 | 61 | 29 | 45 | 20 | 0 | 0.05 |
| 28 | 60 | 28 | 44 | 21 | 0 | 0.05 |
| 29 | 60 | 28 | 44 | 21 | 0 | 0.05 |
| 30 | 59 | 27 | 43 | 22 | 0 | 0.05 |
| 31 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| MTH | 66.3 | 32.7 | 49.5 | 484 | 4 | 1.42 |
| AUTUMN SEASON: | 65.4 | 32.7 | 49.1 | 1485 | 38 | 3.54 |
| *ANNUAL:* | 63.9 | 32.7 | 48.4 | 6520 | 481 | 13.11 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 27 | 42 | 23 | 0 | 0.05 |
| 2 | 58 | 27 | 42 | 23 | 0 | 0.05 |
| 3 | 57 | 26 | 41 | 24 | 0 | 0.04 |
| 4 | 57 | 26 | 41 | 24 | 0 | 0.04 |
| 5 | 57 | 26 | 41 | 24 | 0 | 0.04 |
| 6 | 55 | 26 | 40 | 25 | 0 | 0.04 |
| 7 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 8 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 9 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 10 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 11 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 12 | 52 | 23 | 38 | 27 | 0 | 0.04 |
| 13 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 14 | 52 | 22 | 37 | 28 | 0 | 0.04 |
| 15 | 51 | 22 | 37 | 28 | 0 | 0.04 |
| 16 | 51 | 21 | 36 | 29 | 0 | 0.04 |
| 17 | 50 | 21 | 36 | 29 | 0 | 0.04 |
| 18 | 50 | 21 | 36 | 29 | 0 | 0.04 |
| 19 | 50 | 20 | 35 | 30 | 0 | 0.04 |
| 20 | 49 | 20 | 35 | 30 | 0 | 0.04 |
| 21 | 49 | 20 | 35 | 30 | 0 | 0.04 |
| 22 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 23 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 24 | 48 | 19 | 34 | 31 | 0 | 0.03 |
| 25 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 26 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 27 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 28 | 47 | 18 | 33 | 32 | 0 | 0.03 |
| 29 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 30 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| MTH | 51.4 | 22.0 | 36.7 | 849 | 0 | 1.13 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: PAROWAN POWER PLANT UTAH Station Number: 426686

Latitude: 37° 50* 20( Longitude: -112° 49* 53( Elevation (feet): 6000

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.00 | 0.08 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 6.06 |
| 0.010 | 0.02 | 0.00 | 0.11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 6.57 |
| 0.050 | 0.07 | 0.23 | 0.26 | 0.21 | 0.09 | 0.00 | 0.04 | 0.21 | 0.00 | 0.00 | 0.18 | 0.03 | 8.11 |
| 0.100 | 0.13 | 0.38 | 0.38 | 0.32 | 0.20 | 0.00 | 0.12 | 0.41 | 0.05 | 0.26 | 0.27 | 0.10 | 9.02 |
| 0.200 | 0.26 | 0.56 | 0.58 | 0.50 | 0.36 | 0.00 | 0.28 | 0.66 | 0.18 | 0.55 | 0.44 | 0.21 | 10.22 |
| 0.300 | 0.39 | 0.71 | 0.77 | 0.68 | 0.50 | 0.09 | 0.44 | 0.87 | 0.32 | 0.78 | 0.59 | 0.33 | 11.15 |
| 0.400 | 0.54 | 0.85 | 0.96 | 0.86 | 0.64 | 0.19 | 0.61 | 1.08 | 0.49 | 0.99 | 0.76 | 0.45 | 11.99 |
| 0.500 | 0.72 | 1.00 | 1.16 | 1.06 | 0.80 | 0.30 | 0.81 | 1.30 | 0.68 | 1.22 | 0.93 | 0.59 | 12.81 |
| 0.600 | 0.93 | 1.16 | 1.39 | 1.29 | 0.97 | 0.44 | 1.04 | 1.55 | 0.91 | 1.48 | 1.13 | 0.76 | 13.66 |
| 0.700 | 1.20 | 1.34 | 1.67 | 1.56 | 1.18 | 0.62 | 1.33 | 1.84 | 1.20 | 1.77 | 1.38 | 0.96 | 14.62 |
| 0.800 | 1.57 | 1.59 | 2.04 | 1.93 | 1.47 | 0.87 | 1.74 | 2.23 | 1.62 | 2.17 | 1.71 | 1.25 | 15.80 |
| 0.900 | 2.20 | 1.96 | 2.63 | 2.53 | 1.92 | 1.30 | 2.42 | 2.85 | 2.32 | 2.80 | 2.24 | 1.72 | 17.53 |
| 0.950 | 2.82 | 2.31 | 3.20 | 3.10 | 2.36 | 1.72 | 3.08 | 3.42 | 3.02 | 3.40 | 2.76 | 2.18 | 19.05 |
| 0.990 | 4.24 | 3.06 | 4.45 | 4.37 | 3.33 | 2.69 | 4.61 | 4.69 | 4.64 | 4.72 | 3.90 | 3.24 | 22.12 |
| 0.995 | 4.85 | 3.36 | 4.97 | 4.90 | 3.74 | 3.12 | 5.26 | 5.22 | 5.34 | 5.27 | 4.38 | 3.69 | 23.32 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: RICHFIELD RADIO KSVC UTAH Station Number: 427260

Latitude: 38 B 45 * 43 ( Longitude: -112 B 04* 41 ( Elevation (feet): 5300

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 2 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| 3 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 4 | 46 | 17 | 31 | 34 | 0 | 0.02 |
| 5 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 6 | 44 | 17 | 31 | 34 | 0 | 0.01 |
| 7 | 44 | 16 | 30 | 35 | 0 | 0.01 |
| 8 | 44 | 16 | 30 | 35 | 0 | 0.01 |
| 9 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 10 | 43 | 16 | 30 | 35 | 0 | 0.01 |
| 11 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 12 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 13 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 14 | 42 | 16 | 29 | 36 | 0 | 0.01 |
| 15 | 42 | 15 | 29 | 36 | 0 | 0.01 |
| 16 | 42 | 15 | 29 | 36 | 0 | 0.01 |
| 17 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 18 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 19 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 20 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 21 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 22 | 41 | 15 | 28 | 37 | 0 | 0.01 |
| 23 | 41 | 15 | 28 | 37 | 0 | 0.02 |
| 24 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 25 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 26 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 27 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 28 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 29 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 30 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 31 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| MTH | 42.2 | 15.6 | 28.9 | 1119 | 0 | 0.45 |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 2 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 3 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 4 | 40 | 14 | 27 | 38 | 0 | 0.02 |
| 5 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 6 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 7 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 8 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 9 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 10 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 11 | 40 | 15 | 27 | 38 | 0 | 0.02 |
| 12 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 13 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 14 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 15 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 16 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 17 | 40 | 15 | 28 | 37 | 0 | 0.02 |
| 18 | 40 | 16 | 28 | 37 | 0 | 0.02 |
| 19 | 40 | 16 | 28 | 37 | 0 | 0.02 |
| 20 | 40 | 16 | 28 | 37 | 0 | 0.02 |
| 21 | 40 | 16 | 28 | 37 | 0 | 0.02 |
| 22 | 40 | 16 | 28 | 37 | 0 | 0.02 |
| 23 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 24 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 25 | 41 | 16 | 29 | 36 | 0 | 0.02 |
| 26 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 27 | 42 | 16 | 29 | 36 | 0 | 0.02 |
| 28 | 42 | 17 | 30 | 35 | 0 | 0.02 |
| 29 | 42 | 17 | 30 | 35 | 0 | 0.02 |
| 30 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 31 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| MTH | 40.6 | 15.5 | 28.1 | 1145 | 0 | 0.62 |
| WINTER SEASON: | 43.3 | 17.1 | 30.2 | 3141 | 0 | 1.57 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 18 | 30 | 35 | 0 | 0.02 |
| 2 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 3 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 4 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 5 | 45 | 18 | 31 | 34 | 0 | 0.02 |
| 6 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 7 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 8 | 45 | 19 | 32 | 33 | 0 | 0.02 |
| 9 | 45 | 19 | 32 | 33 | 0 | 0.01 |
| 10 | 45 | 19 | 32 | 33 | 0 | 0.01 |
| 11 | 46 | 19 | 33 | 32 | 0 | 0.01 |
| 12 | 46 | 20 | 33 | 32 | 0 | 0.01 |
| 13 | 46 | 20 | 33 | 32 | 0 | 0.01 |
| 14 | 46 | 20 | 33 | 32 | 0 | 0.01 |
| 15 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 16 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 17 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 18 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 19 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 20 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 21 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 22 | 49 | 22 | 36 | 29 | 0 | 0.02 |
| 23 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 24 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 25 | 50 | 23 | 37 | 28 | 0 | 0.02 |
| 26 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 27 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 28 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| MTH | 47.1 | 20.2 | 33.7 | 877 | 0 | 0.50 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 2 | 52 | 24 | 38 | 27 | 0 | 0.02 |
| 3 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 4 | 52 | 25 | 38 | 27 | 0 | 0.02 |
| 5 | 53 | 25 | 39 | 26 | 0 | 0.02 |
| 6 | 54 | 25 | 39 | 26 | 0 | 0.02 |
| 7 | 54 | 25 | 39 | 26 | 0 | 0.02 |
| 8 | 54 | 25 | 39 | 26 | 0 | 0.02 |
| 9 | 54 | 25 | 40 | 25 | 0 | 0.03 |
| 10 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 11 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 12 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 13 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 14 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 15 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 16 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 17 | 56 | 27 | 42 | 23 | 0 | 0.03 |
| 18 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 19 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 20 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 21 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 22 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 23 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 24 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 25 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 26 | 58 | 28 | 43 | 22 | 0 | 0.02 |
| 27 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| 28 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| 29 | 59 | 28 | 44 | 21 | 0 | 0.02 |
| 30 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| 31 | 60 | 28 | 44 | 21 | 0 | 0.02 |
| MTH | 55.9 | 26.5 | 41.2 | 738 | 0 | 0.77 |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 29 | 45 | 21 | 1 | 0.02 |
| 2 | 61 | 29 | 45 | 20 | 0 | 0.02 |
| 3 | 61 | 29 | 45 | 20 | * | 0.02 |
| 4 | 61 | 30 | 45 | 20 | * | 0.02 |
| 5 | 61 | 30 | 45 | 20 | * | 0.02 |
| 6 | 61 | 30 | 45 | 20 | * | 0.02 |
| 7 | 62 | 30 | 46 | 20 | * | 0.02 |
| 8 | 62 | 30 | 46 | 19 | * | 0.02 |
| 9 | 62 | 30 | 46 | 19 | * | 0.02 |
| 10 | 62 | 30 | 46 | 19 | * | 0.02 |
| 11 | 63 | 30 | 46 | 19 | * | 0.02 |
| 12 | 63 | 30 | 46 | 19 | 0 | 0.02 |
| 13 | 63 | 30 | 47 | 18 | 0 | 0.02 |
| 14 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 15 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 16 | 63 | 31 | 47 | 18 | 0 | 0.02 |
| 17 | 64 | 31 | 48 | 17 | 0 | 0.02 |
| 18 | 64 | 31 | 48 | 17 | 0 | 0.02 |
| 19 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 20 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 21 | 65 | 32 | 49 | 16 | 0 | 0.02 |
| 22 | 65 | 32 | 49 | 16 | 0 | 0.02 |
| 23 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 24 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 25 | 66 | 33 | 50 | 15 | 0 | 0.02 |
| 26 | 67 | 33 | 50 | 15 | 0 | 0.02 |
| 27 | 67 | 33 | 50 | 15 | 0 | 0.02 |
| 28 | 67 | 33 | 50 | 15 | 0 | 0.03 |
| 29 | 67 | 34 | 51 | 14 | 0 | 0.03 |
| 30 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| MTH | 63.8 | 31.1 | 47.5 | 528 | 2 | 0.63 |
| SPRING SEASON: | 64.0 | 32.0 | 48.1 | 1565 | 9 | 2.44 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 68 | 35 | 51 | 14 | 0 | 0.03 |
| 2 | 69 | 36 | 52 | 13 | 0 | 0.03 |
| 3 | 69 | 36 | 52 | 13 | 0 | 0.03 |
| 4 | 69 | 36 | 52 | 13 | 0 | 0.03 |
| 5 | 69 | 36 | 52 | 13 | 0 | 0.03 |
| 6 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 7 | 69 | 36 | 53 | 12 | 0 | 0.03 |
| 8 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 9 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 10 | 70 | 37 | 54 | 11 | 0 | 0.03 |
| 11 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 12 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 13 | 71 | 38 | 55 | 10 | 0 | 0.04 |
| 14 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 15 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 16 | 72 | 39 | 56 | 9 | 0 | 0.04 |
| 17 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 18 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 19 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 20 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 21 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 22 | 74 | 40 | 57 | 8 | 0 | 0.03 |
| 23 | 74 | 40 | 57 | 8 | 0 | 0.03 |
| 24 | 74 | 40 | 57 | 8 | 0 | 0.03 |
| 25 | 75 | 41 | 58 | 8 | 1 | 0.03 |
| 26 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 27 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 28 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 29 | 77 | 42 | 60 | 6 | 1 | 0.03 |
| 30 | 77 | 42 | 60 | 6 | 1 | 0.03 |
| 31 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| MTH | 72.5 | 38.6 | 55.6 | 299 | 7 | 1.04 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: RICHFIELD RADIO KSVC UTAH Station Number: 427260

Latitude: 38 B 45 * 43 ( Longitude: -112 B 04* 41 ( Elevation (feet): 5300

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 42 | 60 | 6 | 1 | 0.03 |
| 2 | 79 | 43 | 61 | 5 | 1 | 0.02 |
| 3 | 80 | 43 | 61 | 5 | 1 | 0.02 |
| 4 | 80 | 43 | 61 | 5 | 1 | 0.02 |
| 5 | 80 | 43 | 62 | 4 | 1 | 0.02 |
| 6 | 80 | 44 | 62 | 4 | 1 | 0.02 |
| 7 | 80 | 44 | 62 | 4 | 1 | 0.02 |
| 8 | 80 | 44 | 62 | 4 | 1 | 0.02 |
| 9 | 80 | 44 | 62 | 4 | 1 | 0.02 |
| 10 | 81 | 44 | 62 | 4 | 1 | 0.02 |
| 11 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 12 | 82 | 45 | 64 | 3 | 2 | 0.02 |
| 13 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 14 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 15 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 16 | 84 | 46 | 65 | 2 | 2 | 0.02 |
| 17 | 84 | 46 | 65 | 2 | 2 | 0.02 |
| 18 | 84 | 46 | 65 | 2 | 2 | 0.02 |
| 19 | 84 | 47 | 66 | 2 | 3 | 0.02 |
| 20 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 21 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 22 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 23 | 86 | 48 | 67 | 1 | 3 | 0.02 |
| 24 | 86 | 48 | 67 | 1 | 3 | 0.02 |
| 25 | 86 | 48 | 67 | 1 | 3 | 0.02 |
| 26 | 86 | 49 | 68 | 1 | 4 | 0.02 |
| 27 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 28 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 29 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| 30 | 87 | 49 | 68 | 1 | 4 | 0.02 |
| MTH | 83.2 | 45.8 | 64.5 | 83 | 67 | 0.59 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 50 | 69 | 1 | 5 | 0.02 |
| 2 | 89 | 50 | 69 | 1 | 5 | 0.02 |
| 3 | 89 | 50 | 69 | 1 | 5 | 0.02 |
| 4 | 89 | 50 | 69 | 1 | 5 | 0.02 |
| 5 | 90 | 51 | 70 | 0 | 5 | 0.02 |
| 6 | 90 | 51 | 70 | 0 | 5 | 0.02 |
| 7 | 89 | 51 | 70 | 0 | 5 | 0.02 |
| 8 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 9 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 10 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 11 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 12 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 13 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 14 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 15 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 16 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 17 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 18 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 19 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 20 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 21 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 22 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 23 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 24 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 25 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 26 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 27 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 28 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 29 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 30 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 31 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| MTH | 89.1 | 52.2 | 70.7 | 4 | 179 | 0.72 |
| SUMMER SEASON: | 86.5 | 49.7 | 68.1 | 101 | 389 | 2.00 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 53 | 71 | 0 | 6 | 0.03 |
| 2 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 3 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 4 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 5 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 6 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 7 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 8 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 9 | 89 | 51 | 70 | 0 | 5 | 0.02 |
| 10 | 89 | 51 | 70 | 0 | 5 | 0.02 |
| 11 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 12 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 13 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 14 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 15 | 88 | 52 | 70 | 0 | 5 | 0.02 |
| 16 | 87 | 52 | 70 | 0 | 5 | 0.02 |
| 17 | 87 | 52 | 70 | 0 | 5 | 0.02 |
| 18 | 87 | 51 | 69 | 0 | 4 | 0.02 |
| 19 | 87 | 51 | 69 | 0 | 4 | 0.02 |
| 20 | 87 | 51 | 69 | 0 | 4 | 0.02 |
| 21 | 86 | 51 | 69 | 1 | 5 | 0.02 |
| 22 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 23 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 24 | 86 | 50 | 68 | 1 | 4 | 0.02 |
| 25 | 85 | 49 | 67 | 1 | 3 | 0.02 |
| 26 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 27 | 85 | 49 | 67 | 1 | 3 | 0.03 |
| 28 | 85 | 48 | 67 | 1 | 3 | 0.03 |
| 29 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 30 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 31 | 84 | 47 | 66 | 2 | 3 | 0.03 |
| MTH | 87.3 | 51.0 | 69.2 | 14 | 143 | 0.69 |

**SEPTEMBER**

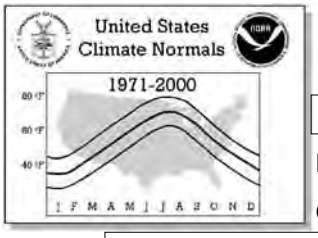
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 84 | 47 | 65 | 2 | 2 | 0.02 |
| 2 | 84 | 47 | 65 | 2 | 2 | 0.02 |
| 3 | 83 | 47 | 65 | 2 | 2 | 0.02 |
| 4 | 83 | 47 | 65 | 2 | 2 | 0.02 |
| 5 | 82 | 47 | 64 | 3 | 2 | 0.03 |
| 6 | 82 | 47 | 64 | 3 | 2 | 0.03 |
| 7 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 8 | 82 | 44 | 63 | 3 | 1 | 0.03 |
| 9 | 82 | 44 | 63 | 3 | 1 | 0.03 |
| 10 | 81 | 44 | 63 | 3 | 1 | 0.03 |
| 11 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 12 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 13 | 80 | 43 | 62 | 4 | 1 | 0.03 |
| 14 | 80 | 43 | 62 | 4 | 1 | 0.03 |
| 15 | 80 | 42 | 61 | 5 | 1 | 0.03 |
| 16 | 79 | 42 | 61 | 5 | 1 | 0.03 |
| 17 | 79 | 42 | 61 | 5 | 1 | 0.03 |
| 18 | 79 | 41 | 60 | 5 | 0 | 0.03 |
| 19 | 78 | 41 | 60 | 5 | 0 | 0.03 |
| 20 | 78 | 40 | 59 | 6 | 0 | 0.03 |
| 21 | 78 | 40 | 59 | 6 | 0 | 0.03 |
| 22 | 78 | 40 | 59 | 6 | 0 | 0.03 |
| 23 | 77 | 39 | 58 | 7 | 0 | 0.03 |
| 24 | 77 | 39 | 58 | 7 | 0 | 0.03 |
| 25 | 77 | 39 | 58 | 7 | 0 | 0.03 |
| 26 | 76 | 38 | 57 | 8 | 0 | 0.03 |
| 27 | 76 | 38 | 57 | 8 | 0 | 0.03 |
| 28 | 75 | 38 | 57 | 8 | 0 | 0.03 |
| 29 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| 30 | 75 | 37 | 56 | 9 | 0 | 0.03 |
| MTH | 79.5 | 42.2 | 60.9 | 148 | 24 | 0.86 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 37 | 56 | 9 | 0 | 0.03 |
| 2 | 74 | 37 | 55 | 10 | 0 | 0.03 |
| 3 | 74 | 37 | 55 | 10 | 0 | 0.03 |
| 4 | 73 | 36 | 54 | 11 | 0 | 0.03 |
| 5 | 73 | 35 | 54 | 11 | 0 | 0.03 |
| 6 | 72 | 35 | 54 | 11 | 0 | 0.03 |
| 7 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 8 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 9 | 71 | 34 | 53 | 12 | 0 | 0.04 |
| 10 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 11 | 70 | 33 | 52 | 13 | 0 | 0.04 |
| 12 | 70 | 32 | 51 | 14 | 0 | 0.04 |
| 13 | 70 | 32 | 51 | 14 | 0 | 0.03 |
| 14 | 69 | 32 | 51 | 14 | 0 | 0.03 |
| 15 | 69 | 31 | 50 | 15 | 0 | 0.03 |
| 16 | 68 | 31 | 50 | 15 | 0 | 0.03 |
| 17 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 18 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 19 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 20 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 21 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 22 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 23 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 24 | 64 | 29 | 46 | 19 | 0 | 0.03 |
| 25 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 26 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 27 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 28 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 29 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 30 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 31 | 60 | 27 | 44 | 21 | 0 | 0.03 |
| MTH | 67.8 | 31.6 | 49.7 | 474 | 0 | 0.99 |
| AUTUMN SEASON: | 66.4 | 32.2 | 49.4 | 1447 | 24 | 2.50 |
| *ANNUAL:* | 65.1 | 32.8 | 48.9 | 6254 | 422 | 8.51 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 2 | 59 | 27 | 43 | 22 | 0 | 0.03 |
| 3 | 58 | 27 | 42 | 23 | 0 | 0.03 |
| 4 | 58 | 27 | 42 | 23 | 0 | 0.03 |
| 5 | 57 | 26 | 42 | 23 | 0 | 0.03 |
| 6 | 57 | 25 | 41 | 24 | 0 | 0.02 |
| 7 | 56 | 25 | 41 | 24 | 0 | 0.02 |
| 8 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 9 | 55 | 25 | 40 | 25 | 0 | 0.02 |
| 10 | 54 | 24 | 39 | 26 | 0 | 0.02 |
| 11 | 54 | 24 | 39 | 26 | 0 | 0.02 |
| 12 | 53 | 24 | 39 | 26 | 0 | 0.02 |
| 13 | 53 | 23 | 38 | 27 | 0 | 0.02 |
| 14 | 52 | 23 | 38 | 27 | 0 | 0.02 |
| 15 | 52 | 23 | 38 | 27 | 0 | 0.02 |
| 16 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 17 | 51 | 23 | 37 | 28 | 0 | 0.02 |
| 18 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 19 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 20 | 50 | 22 | 36 | 29 | 0 | 0.02 |
| 21 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 22 | 49 | 21 | 35 | 30 | 0 | 0.02 |
| 23 | 48 | 21 | 35 | 30 | 0 | 0.02 |
| 24 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 25 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 26 | 47 | 20 | 34 | 31 | 0 | 0.02 |
| 27 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 28 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 29 | 46 | 19 | 33 | 32 | 0 | 0.02 |
| 30 | 46 | 19 | 32 | 33 | 0 | 0.02 |
| MTH | 52.0 | 22.9 | 37.5 | 825 | 0 | 0.65 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: RICHFIELD RADIO KSVC UTAH Station Number: 427260

Latitude: 38° 45* 43( Longitude: -112° 04* 41( Elevation (feet): 5300

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.02 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 3.86 |
| 0.010 | 0.01 | 0.04 | 0.00 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.02 | 0.00 | 4.19 |
| 0.050 | 0.05 | 0.09 | 0.06 | 0.10 | 0.10 | 0.00 | 0.02 | 0.05 | 0.05 | 0.06 | 0.07 | 0.00 | 5.20 |
| 0.100 | 0.09 | 0.13 | 0.14 | 0.15 | 0.18 | 0.00 | 0.07 | 0.13 | 0.10 | 0.16 | 0.12 | 0.03 | 5.80 |
| 0.200 | 0.17 | 0.20 | 0.26 | 0.24 | 0.32 | 0.06 | 0.16 | 0.24 | 0.21 | 0.31 | 0.21 | 0.10 | 6.59 |
| 0.300 | 0.25 | 0.27 | 0.38 | 0.33 | 0.46 | 0.14 | 0.26 | 0.34 | 0.33 | 0.46 | 0.30 | 0.17 | 7.20 |
| 0.400 | 0.35 | 0.34 | 0.49 | 0.42 | 0.62 | 0.24 | 0.38 | 0.45 | 0.46 | 0.61 | 0.40 | 0.24 | 7.76 |
| 0.500 | 0.46 | 0.41 | 0.62 | 0.52 | 0.80 | 0.36 | 0.51 | 0.56 | 0.61 | 0.78 | 0.51 | 0.33 | 8.30 |
| 0.600 | 0.59 | 0.50 | 0.77 | 0.63 | 1.01 | 0.51 | 0.67 | 0.69 | 0.80 | 0.98 | 0.63 | 0.43 | 8.87 |
| 0.700 | 0.76 | 0.60 | 0.96 | 0.77 | 1.27 | 0.70 | 0.87 | 0.85 | 1.04 | 1.22 | 0.79 | 0.55 | 9.50 |
| 0.800 | 0.99 | 0.74 | 1.20 | 0.96 | 1.63 | 0.98 | 1.16 | 1.06 | 1.37 | 1.54 | 1.00 | 0.72 | 10.28 |
| 0.900 | 1.37 | 0.97 | 1.60 | 1.26 | 2.23 | 1.46 | 1.63 | 1.41 | 1.94 | 2.07 | 1.36 | 1.02 | 11.43 |
| 0.950 | 1.76 | 1.18 | 1.99 | 1.55 | 2.81 | 1.94 | 2.11 | 1.75 | 2.50 | 2.59 | 1.70 | 1.30 | 12.44 |
| 0.990 | 2.63 | 1.65 | 2.86 | 2.20 | 4.14 | 3.08 | 3.20 | 2.49 | 3.80 | 3.75 | 2.48 | 1.96 | 14.49 |
| 0.995 | 3.01 | 1.85 | 3.23 | 2.48 | 4.71 | 3.57 | 3.67 | 2.81 | 4.36 | 4.24 | 2.81 | 2.24 | 15.29 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

United States Climate Normals 1971-2000

Station Name: SALINA UTAH Station Number: 427557

Latitude: 38° 58* 00( Longitude: -111° 52* 00( Elevation (feet): 5131

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 2 | 44 | 17 | 30 | 35 | 0 | 0.02 |
| 3 | 44 | 17 | 30 | 35 | 0 | 0.02 |
| 4 | 43 | 17 | 30 | 35 | 0 | 0.02 |
| 5 | 43 | 16 | 29 | 36 | 0 | 0.02 |
| 6 | 43 | 16 | 29 | 36 | 0 | 0.02 |
| 7 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 8 | 42 | 15 | 29 | 36 | 0 | 0.02 |
| 9 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 10 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 11 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 12 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 13 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 14 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 15 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 16 | 41 | 13 | 27 | 38 | 0 | 0.01 |
| 17 | 40 | 13 | 27 | 38 | 0 | 0.01 |
| 18 | 40 | 13 | 27 | 38 | 0 | 0.01 |
| 19 | 40 | 12 | 26 | 39 | 0 | 0.01 |
| 20 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 21 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 22 | 40 | 12 | 26 | 39 | 0 | 0.02 |
| 23 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 24 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 25 | 39 | 12 | 26 | 39 | 0 | 0.02 |
| 26 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 27 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 28 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 29 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 30 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 31 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| MTH | 40.9 | 13.4 | 27.2 | 1172 | 0 | 0.58 |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 2 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 3 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 4 | 39 | 11 | 25 | 40 | 0 | 0.02 |
| 5 | 39 | 12 | 25 | 40 | 0 | 0.02 |
| 6 | 39 | 12 | 25 | 40 | 0 | 0.02 |
| 7 | 39 | 12 | 25 | 40 | 0 | 0.02 |
| 8 | 39 | 12 | 25 | 40 | 0 | 0.02 |
| 9 | 39 | 12 | 25 | 40 | 0 | 0.02 |
| 10 | 38 | 12 | 25 | 40 | 0 | 0.02 |
| 11 | 38 | 12 | 25 | 40 | 0 | 0.02 |
| 12 | 38 | 12 | 25 | 40 | 0 | 0.02 |
| 13 | 38 | 12 | 25 | 40 | 0 | 0.02 |
| 14 | 38 | 12 | 25 | 40 | 0 | 0.03 |
| 15 | 38 | 12 | 25 | 40 | 0 | 0.03 |
| 16 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 17 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 18 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 19 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 20 | 39 | 13 | 26 | 39 | 0 | 0.03 |
| 21 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 22 | 39 | 13 | 26 | 39 | 0 | 0.02 |
| 23 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 24 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 25 | 40 | 13 | 27 | 38 | 0 | 0.02 |
| 26 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 27 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 28 | 41 | 13 | 27 | 38 | 0 | 0.02 |
| 29 | 41 | 14 | 28 | 37 | 0 | 0.02 |
| 30 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| 31 | 42 | 14 | 28 | 37 | 0 | 0.02 |
| MTH | 39.4 | 12.4 | 25.9 | 1212 | 0 | 0.69 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 42 | 15 | 28 | 37 | 0 | 0.02 |
| 2 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 3 | 43 | 15 | 29 | 36 | 0 | 0.02 |
| 4 | 43 | 16 | 29 | 36 | 0 | 0.02 |
| 5 | 43 | 16 | 29 | 36 | 0 | 0.02 |
| 6 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 7 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 8 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 9 | 44 | 16 | 30 | 35 | 0 | 0.02 |
| 10 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 11 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 12 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 13 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 14 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 15 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 16 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 17 | 47 | 18 | 33 | 32 | 0 | 0.02 |
| 18 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 19 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 20 | 48 | 19 | 34 | 31 | 0 | 0.02 |
| 21 | 48 | 19 | 34 | 31 | 0 | 0.03 |
| 22 | 49 | 19 | 34 | 31 | 0 | 0.03 |
| 23 | 49 | 19 | 34 | 31 | 0 | 0.03 |
| 24 | 49 | 20 | 35 | 30 | 0 | 0.03 |
| 25 | 50 | 20 | 35 | 30 | 0 | 0.03 |
| 26 | 50 | 20 | 35 | 30 | 0 | 0.03 |
| 27 | 50 | 21 | 36 | 29 | 0 | 0.03 |
| 28 | 51 | 21 | 36 | 29 | 0 | 0.03 |
| MTH | 46.2 | 17.8 | 32.0 | 924 | 0 | 0.64 |

WINTER SEASON: 42.2 14.5 28.4 3308 0 1.91

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 51 | 22 | 36 | 29 | 0 | 0.03 |
| 2 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 3 | 52 | 23 | 37 | 28 | 0 | 0.03 |
| 4 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 5 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 6 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 7 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 8 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 9 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 10 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 11 | 54 | 24 | 39 | 26 | 0 | 0.04 |
| 12 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 13 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 14 | 55 | 25 | 40 | 25 | 0 | 0.04 |
| 15 | 56 | 25 | 41 | 24 | 0 | 0.04 |
| 16 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 17 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 18 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 19 | 57 | 26 | 42 | 23 | 0 | 0.04 |
| 20 | 57 | 26 | 42 | 23 | 0 | 0.04 |
| 21 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 22 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 23 | 58 | 26 | 42 | 23 | 0 | 0.04 |
| 24 | 58 | 27 | 43 | 22 | 0 | 0.04 |
| 25 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 26 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 27 | 59 | 27 | 43 | 22 | 0 | 0.04 |
| 28 | 60 | 28 | 44 | 21 | 0 | 0.04 |
| 29 | 60 | 28 | 44 | 21 | 0 | 0.04 |
| 30 | 60 | 28 | 44 | 21 | 0 | 0.04 |
| 31 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| MTH | 56.0 | 25.3 | 40.7 | 755 | 0 | 1.18 |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 29 | 44 | 21 | 0 | 0.04 |
| 2 | 60 | 29 | 44 | 21 | 0 | 0.03 |
| 3 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 4 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 5 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 6 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 7 | 62 | 29 | 46 | 19 | 0 | 0.03 |
| 8 | 62 | 29 | 46 | 19 | 0 | 0.03 |
| 9 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 10 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 11 | 63 | 29 | 46 | 19 | 0 | 0.03 |
| 12 | 63 | 30 | 47 | 18 | 0 | 0.03 |
| 13 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 14 | 64 | 30 | 47 | 18 | 0 | 0.03 |
| 15 | 64 | 30 | 47 | 18 | * | 0.03 |
| 16 | 64 | 31 | 48 | 17 | * | 0.03 |
| 17 | 65 | 31 | 48 | 17 | * | 0.03 |
| 18 | 65 | 31 | 48 | 17 | * | 0.03 |
| 19 | 65 | 32 | 49 | 17 | * | 0.03 |
| 20 | 66 | 32 | 49 | 16 | * | 0.03 |
| 21 | 66 | 32 | 49 | 16 | * | 0.03 |
| 22 | 66 | 32 | 49 | 16 | * | 0.03 |
| 23 | 66 | 33 | 50 | 16 | * | 0.03 |
| 24 | 67 | 33 | 50 | 15 | * | 0.03 |
| 25 | 67 | 33 | 50 | 15 | * | 0.03 |
| 26 | 67 | 33 | 50 | 15 | * | 0.03 |
| 27 | 68 | 34 | 51 | 14 | * | 0.03 |
| 28 | 68 | 34 | 51 | 14 | 0 | 0.03 |
| 29 | 68 | 34 | 51 | 14 | 0 | 0.04 |
| 30 | 68 | 34 | 51 | 14 | 0 | 0.04 |
| MTH | 64.4 | 30.9 | 47.7 | 522 | 2 | 0.93 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 69 | 35 | 52 | 13 | 0 | 0.03 |
| 2 | 69 | 35 | 52 | 13 | 0 | 0.04 |
| 3 | 69 | 36 | 52 | 13 | 0 | 0.04 |
| 4 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 5 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 6 | 70 | 36 | 53 | 12 | 0 | 0.04 |
| 7 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 8 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 9 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 10 | 71 | 37 | 54 | 11 | 0 | 0.04 |
| 11 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 12 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 13 | 72 | 38 | 55 | 10 | 0 | 0.04 |
| 14 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 15 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 16 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 17 | 74 | 39 | 57 | 8 | 0 | 0.04 |
| 18 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 19 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 20 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 21 | 75 | 40 | 58 | 8 | 1 | 0.04 |
| 22 | 76 | 40 | 58 | 8 | 1 | 0.04 |
| 23 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 24 | 76 | 41 | 59 | 7 | 1 | 0.03 |
| 25 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 26 | 77 | 41 | 59 | 7 | 1 | 0.03 |
| 27 | 77 | 42 | 60 | 6 | 1 | 0.03 |
| 28 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 29 | 78 | 42 | 60 | 6 | 1 | 0.03 |
| 30 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 31 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| MTH | 73.6 | 39.0 | 56.3 | 280 | 11 | 1.14 |

SPRING SEASON: 64.6 31.7 48.2 1557 13 3.25

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SALINA UTAH Station Number: 427557

Latitude: 38 B 58 * 00 ( Longitude: -111 B 52* 00 ( Elevation (feet): 5131

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 2 | 79 | 44 | 61 | 5 | 1 | 0.03 |
| 3 | 80 | 44 | 62 | 5 | 2 | 0.03 |
| 4 | 81 | 44 | 62 | 5 | 2 | 0.02 |
| 5 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 6 | 81 | 44 | 63 | 4 | 2 | 0.02 |
| 7 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 8 | 82 | 44 | 63 | 4 | 2 | 0.02 |
| 9 | 82 | 45 | 64 | 3 | 2 | 0.02 |
| 10 | 83 | 45 | 64 | 3 | 2 | 0.02 |
| 11 | 83 | 46 | 65 | 3 | 3 | 0.02 |
| 12 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 13 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 14 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 15 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 16 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 17 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 18 | 85 | 47 | 66 | 2 | 3 | 0.01 |
| 19 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 20 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 21 | 86 | 48 | 67 | 2 | 4 | 0.01 |
| 22 | 87 | 48 | 68 | 1 | 4 | 0.01 |
| 23 | 87 | 49 | 68 | 1 | 4 | 0.01 |
| 24 | 87 | 49 | 68 | 1 | 4 | 0.01 |
| 25 | 87 | 50 | 69 | 1 | 5 | 0.01 |
| 26 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 27 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 28 | 88 | 50 | 69 | 1 | 5 | 0.01 |
| 29 | 88 | 50 | 69 | 1 | 5 | 0.02 |
| 30 | 89 | 51 | 70 | 1 | 6 | 0.02 |
| MTH | 84.4 | 46.8 | 65.6 | 78 | 97 | 0.50 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 89 | 52 | 70 | 1 | 6 | 0.02 |
| 2 | 89 | 52 | 70 | 1 | 6 | 0.02 |
| 3 | 89 | 52 | 70 | 1 | 6 | 0.02 |
| 4 | 89 | 52 | 70 | 0 | 5 | 0.02 |
| 5 | 90 | 52 | 71 | 0 | 6 | 0.02 |
| 6 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 7 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 8 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 9 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 10 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 11 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 12 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 13 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 14 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 15 | 91 | 53 | 72 | 0 | 7 | 0.02 |
| 16 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 17 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 18 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 19 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 20 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 21 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 22 | 92 | 54 | 73 | 0 | 8 | 0.02 |
| 23 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 24 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 25 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 26 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 27 | 91 | 55 | 73 | 0 | 8 | 0.02 |
| 28 | 91 | 55 | 73 | 0 | 8 | 0.03 |
| 29 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 30 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| 31 | 91 | 54 | 73 | 0 | 8 | 0.02 |
| MTH | 90.8 | 53.6 | 72.2 | 3 | 227 | 0.63 |
| SUMMER SEASON: | 87.9 | 50.7 | 69.4 | 92 | 498 | 1.88 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 2 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 3 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 4 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 5 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 6 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 7 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 8 | 91 | 54 | 72 | 0 | 7 | 0.02 |
| 9 | 90 | 54 | 72 | 0 | 7 | 0.02 |
| 10 | 90 | 54 | 72 | 0 | 7 | 0.02 |
| 11 | 89 | 54 | 71 | 0 | 6 | 0.02 |
| 12 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 13 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 14 | 89 | 53 | 71 | 0 | 6 | 0.02 |
| 15 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 16 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 17 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 18 | 89 | 52 | 71 | 0 | 6 | 0.02 |
| 19 | 88 | 52 | 70 | 0 | 5 | 0.03 |
| 20 | 88 | 51 | 70 | 0 | 5 | 0.03 |
| 21 | 88 | 50 | 69 | 1 | 5 | 0.03 |
| 22 | 88 | 50 | 69 | 1 | 5 | 0.03 |
| 23 | 87 | 50 | 69 | 1 | 5 | 0.03 |
| 24 | 87 | 50 | 69 | 1 | 5 | 0.03 |
| 25 | 87 | 49 | 68 | 1 | 4 | 0.03 |
| 26 | 87 | 49 | 68 | 1 | 4 | 0.03 |
| 27 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 28 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 29 | 86 | 49 | 68 | 1 | 4 | 0.03 |
| 30 | 85 | 48 | 67 | 1 | 3 | 0.03 |
| 31 | 85 | 48 | 67 | 1 | 3 | 0.03 |
| MTH | 88.7 | 51.8 | 70.3 | 11 | 174 | 0.75 |

**SEPTEMBER**

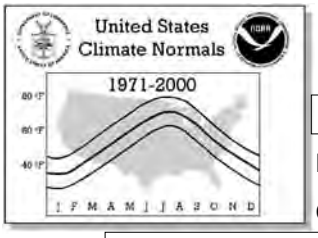
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 85 | 48 | 66 | 2 | 3 | 0.03 |
| 2 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 3 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 4 | 84 | 48 | 66 | 2 | 3 | 0.03 |
| 5 | 84 | 47 | 65 | 2 | 2 | 0.03 |
| 6 | 83 | 46 | 64 | 3 | 2 | 0.03 |
| 7 | 83 | 46 | 64 | 3 | 2 | 0.03 |
| 8 | 83 | 45 | 64 | 3 | 2 | 0.03 |
| 9 | 82 | 45 | 64 | 3 | 2 | 0.03 |
| 10 | 82 | 45 | 64 | 3 | 2 | 0.03 |
| 11 | 81 | 44 | 63 | 3 | 1 | 0.03 |
| 12 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 13 | 81 | 43 | 62 | 4 | 1 | 0.03 |
| 14 | 80 | 43 | 62 | 4 | 1 | 0.03 |
| 15 | 80 | 42 | 61 | 5 | 1 | 0.03 |
| 16 | 80 | 42 | 61 | 5 | 1 | 0.03 |
| 17 | 79 | 42 | 61 | 5 | 1 | 0.03 |
| 18 | 79 | 41 | 60 | 6 | 1 | 0.03 |
| 19 | 79 | 41 | 60 | 6 | 1 | 0.03 |
| 20 | 78 | 41 | 60 | 6 | 1 | 0.03 |
| 21 | 78 | 41 | 60 | 6 | 1 | 0.04 |
| 22 | 78 | 40 | 59 | 6 | 0 | 0.04 |
| 23 | 77 | 39 | 58 | 7 | 0 | 0.04 |
| 24 | 77 | 39 | 58 | 7 | 0 | 0.04 |
| 25 | 76 | 39 | 58 | 7 | 0 | 0.04 |
| 26 | 76 | 38 | 57 | 8 | 0 | 0.04 |
| 27 | 76 | 38 | 57 | 8 | 0 | 0.04 |
| 28 | 75 | 38 | 57 | 8 | 0 | 0.04 |
| 29 | 75 | 37 | 56 | 9 | 0 | 0.04 |
| 30 | 74 | 37 | 56 | 9 | 0 | 0.04 |
| MTH | 79.8 | 42.5 | 61.2 | 148 | 35 | 1.00 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 74 | 37 | 55 | 10 | 0 | 0.04 |
| 2 | 74 | 37 | 55 | 10 | 0 | 0.04 |
| 3 | 74 | 37 | 55 | 10 | 0 | 0.04 |
| 4 | 73 | 36 | 54 | 11 | 0 | 0.04 |
| 5 | 73 | 36 | 54 | 11 | 0 | 0.04 |
| 6 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 7 | 72 | 34 | 53 | 12 | 0 | 0.04 |
| 8 | 71 | 34 | 53 | 12 | 0 | 0.04 |
| 9 | 71 | 33 | 52 | 13 | 0 | 0.04 |
| 10 | 70 | 33 | 52 | 13 | 0 | 0.04 |
| 11 | 70 | 32 | 51 | 14 | 0 | 0.03 |
| 12 | 69 | 32 | 51 | 14 | 0 | 0.03 |
| 13 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 14 | 68 | 32 | 50 | 15 | 0 | 0.03 |
| 15 | 68 | 31 | 50 | 15 | 0 | 0.03 |
| 16 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 17 | 67 | 31 | 49 | 16 | 0 | 0.03 |
| 18 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 19 | 66 | 30 | 48 | 17 | 0 | 0.03 |
| 20 | 65 | 30 | 48 | 17 | 0 | 0.03 |
| 21 | 65 | 29 | 47 | 18 | 0 | 0.03 |
| 22 | 64 | 29 | 47 | 18 | 0 | 0.03 |
| 23 | 64 | 28 | 46 | 19 | 0 | 0.03 |
| 24 | 63 | 28 | 46 | 19 | 0 | 0.03 |
| 25 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 26 | 62 | 28 | 45 | 20 | 0 | 0.03 |
| 27 | 61 | 28 | 45 | 20 | 0 | 0.03 |
| 28 | 61 | 27 | 44 | 21 | 0 | 0.03 |
| 29 | 60 | 27 | 44 | 21 | 0 | 0.03 |
| 30 | 60 | 26 | 43 | 22 | 0 | 0.03 |
| 31 | 59 | 26 | 43 | 22 | 0 | 0.03 |
| MTH | 67.1 | 31.2 | 49.2 | 490 | 0 | 1.03 |
| AUTUMN SEASON: | 65.9 | 31.8 | 48.9 | 1496 | 35 | 2.84 |
| *ANNUAL:* | 65.2 | 32.2 | 48.7 | 6453 | 546 | 9.88 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 26 | 42 | 23 | 0 | 0.03 |
| 2 | 58 | 26 | 42 | 23 | 0 | 0.03 |
| 3 | 57 | 26 | 41 | 24 | 0 | 0.03 |
| 4 | 57 | 26 | 41 | 24 | 0 | 0.03 |
| 5 | 56 | 26 | 41 | 24 | 0 | 0.03 |
| 6 | 56 | 25 | 40 | 25 | 0 | 0.03 |
| 7 | 55 | 24 | 40 | 25 | 0 | 0.03 |
| 8 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 9 | 54 | 24 | 39 | 26 | 0 | 0.03 |
| 10 | 53 | 24 | 39 | 26 | 0 | 0.03 |
| 11 | 53 | 23 | 38 | 27 | 0 | 0.03 |
| 12 | 52 | 23 | 38 | 27 | 0 | 0.03 |
| 13 | 52 | 22 | 37 | 28 | 0 | 0.03 |
| 14 | 51 | 22 | 37 | 28 | 0 | 0.03 |
| 15 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 16 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 17 | 50 | 21 | 36 | 29 | 0 | 0.03 |
| 18 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 19 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 20 | 49 | 20 | 35 | 30 | 0 | 0.03 |
| 21 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 22 | 48 | 20 | 34 | 31 | 0 | 0.02 |
| 23 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 24 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 25 | 47 | 19 | 33 | 32 | 0 | 0.02 |
| 26 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 27 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 28 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 29 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| 30 | 45 | 17 | 31 | 34 | 0 | 0.02 |
| MTH | 51.0 | 21.8 | 36.4 | 858 | 0 | 0.81 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SALINA UTAH Station Number: 427557

Latitude: 38° 58* 00( Longitude: -111° 52* 00( Elevation (feet): 5131

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.04 | 0.05 | 0.03 | 0.01 | 5.02 |
| 0.010 | 0.01 | 0.07 | 0.10 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.06 | 0.07 | 0.05 | 0.01 | 5.39 |
| 0.050 | 0.06 | 0.15 | 0.23 | 0.12 | 0.00 | 0.00 | 0.09 | 0.07 | 0.16 | 0.18 | 0.12 | 0.05 | 6.47 |
| 0.100 | 0.10 | 0.20 | 0.34 | 0.24 | 0.14 | 0.00 | 0.14 | 0.16 | 0.24 | 0.27 | 0.19 | 0.09 | 7.11 |
| 0.200 | 0.19 | 0.30 | 0.51 | 0.39 | 0.36 | 0.08 | 0.23 | 0.28 | 0.39 | 0.42 | 0.31 | 0.17 | 7.94 |
| 0.300 | 0.29 | 0.38 | 0.67 | 0.53 | 0.54 | 0.16 | 0.31 | 0.39 | 0.52 | 0.56 | 0.42 | 0.25 | 8.57 |
| 0.400 | 0.39 | 0.47 | 0.83 | 0.66 | 0.73 | 0.25 | 0.40 | 0.51 | 0.66 | 0.70 | 0.54 | 0.34 | 9.14 |
| 0.500 | 0.51 | 0.56 | 1.00 | 0.80 | 0.93 | 0.35 | 0.50 | 0.63 | 0.82 | 0.86 | 0.67 | 0.44 | 9.70 |
| 0.600 | 0.66 | 0.66 | 1.20 | 0.96 | 1.15 | 0.47 | 0.62 | 0.76 | 1.00 | 1.04 | 0.81 | 0.55 | 10.27 |
| 0.700 | 0.84 | 0.78 | 1.43 | 1.15 | 1.42 | 0.62 | 0.76 | 0.93 | 1.22 | 1.26 | 0.99 | 0.70 | 10.91 |
| 0.800 | 1.09 | 0.94 | 1.74 | 1.40 | 1.79 | 0.83 | 0.96 | 1.15 | 1.51 | 1.55 | 1.23 | 0.90 | 11.70 |
| 0.900 | 1.51 | 1.19 | 2.24 | 1.80 | 2.39 | 1.18 | 1.27 | 1.50 | 1.98 | 2.03 | 1.62 | 1.24 | 12.84 |
| 0.950 | 1.92 | 1.42 | 2.71 | 2.18 | 2.97 | 1.54 | 1.58 | 1.84 | 2.43 | 2.48 | 1.99 | 1.57 | 13.84 |
| 0.990 | 2.88 | 1.94 | 3.75 | 3.00 | 4.26 | 2.35 | 2.27 | 2.59 | 3.45 | 3.48 | 2.83 | 2.32 | 15.85 |
| 0.995 | 3.28 | 2.16 | 4.19 | 3.35 | 4.80 | 2.70 | 2.55 | 2.91 | 3.87 | 3.90 | 3.18 | 2.64 | 16.63 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SALINA 24 E UTAH Station Number: 427559

Latitude: 38° 54* 50( Longitude: -111° 24* 58( Elevation (feet): 7560

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 2 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 3 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 4 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 5 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 6 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 7 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 8 | 32 | 15 | 24 | 41 | 0 | 0.03 |
| 9 | 32 | 14 | 23 | 42 | 0 | 0.03 |
| 10 | 32 | 14 | 23 | 42 | 0 | 0.03 |
| 11 | 32 | 14 | 23 | 42 | 0 | 0.02 |
| 12 | 32 | 14 | 23 | 42 | 0 | 0.02 |
| 13 | 32 | 14 | 23 | 42 | 0 | 0.02 |
| 14 | 32 | 14 | 23 | 42 | 0 | 0.02 |
| 15 | 31 | 14 | 23 | 42 | 0 | 0.02 |
| 16 | 31 | 13 | 22 | 43 | 0 | 0.02 |
| 17 | 31 | 13 | 22 | 43 | 0 | 0.02 |
| 18 | 31 | 13 | 22 | 43 | 0 | 0.02 |
| 19 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 20 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 21 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 22 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 23 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 24 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 25 | 31 | 12 | 22 | 43 | 0 | 0.03 |
| 26 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 27 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 28 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 29 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 30 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 31 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| MTH | 31.6 | 13.6 | 22.6 | 1314 | 0 | 0.85 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 2 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 3 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 4 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 5 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 6 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 7 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 8 | 30 | 12 | 21 | 44 | 0 | 0.03 |
| 9 | 31 | 12 | 21 | 44 | 0 | 0.03 |
| 10 | 31 | 12 | 21 | 44 | 0 | 0.03 |
| 11 | 31 | 12 | 21 | 44 | 0 | 0.03 |
| 12 | 31 | 12 | 21 | 44 | 0 | 0.03 |
| 13 | 31 | 12 | 21 | 44 | 0 | 0.03 |
| 14 | 31 | 12 | 21 | 44 | 0 | 0.04 |
| 15 | 31 | 12 | 21 | 44 | 0 | 0.04 |
| 16 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 17 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 18 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 19 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 20 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 21 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 22 | 31 | 12 | 22 | 43 | 0 | 0.04 |
| 23 | 31 | 13 | 22 | 43 | 0 | 0.04 |
| 24 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 25 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 26 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 27 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 28 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 29 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 30 | 31 | 13 | 22 | 43 | 0 | 0.03 |
| 31 | 32 | 13 | 23 | 42 | 0 | 0.03 |
| MTH | 30.8 | 12.3 | 21.6 | 1347 | 0 | 1.03 |
| | 32.1 | 13.9 | 23.0 | 3785 | 0 | 2.78 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 32 | 13 | 23 | 42 | 0 | 0.03 |
| 2 | 32 | 14 | 23 | 42 | 0 | 0.03 |
| 3 | 33 | 13 | 23 | 42 | 0 | 0.03 |
| 4 | 33 | 14 | 23 | 42 | 0 | 0.03 |
| 5 | 33 | 14 | 23 | 42 | 0 | 0.03 |
| 6 | 33 | 14 | 23 | 42 | 0 | 0.03 |
| 7 | 33 | 14 | 24 | 41 | 0 | 0.03 |
| 8 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 9 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 10 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 11 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 12 | 33 | 15 | 24 | 41 | 0 | 0.03 |
| 13 | 33 | 16 | 25 | 40 | 0 | 0.03 |
| 14 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 15 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 16 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 17 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 18 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 19 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 20 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 21 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 22 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 23 | 35 | 17 | 26 | 39 | 0 | 0.04 |
| 24 | 36 | 17 | 27 | 38 | 0 | 0.04 |
| 25 | 36 | 18 | 27 | 38 | 0 | 0.04 |
| 26 | 36 | 18 | 27 | 38 | 0 | 0.04 |
| 27 | 36 | 18 | 27 | 38 | 0 | 0.04 |
| 28 | 36 | 18 | 27 | 38 | 0 | 0.04 |
| MTH | 34.0 | 15.7 | 24.9 | 1124 | 0 | 0.90 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 2 | 37 | 19 | 28 | 37 | 0 | 0.04 |
| 3 | 37 | 20 | 28 | 37 | 0 | 0.04 |
| 4 | 37 | 20 | 28 | 37 | 0 | 0.04 |
| 5 | 38 | 20 | 29 | 36 | 0 | 0.04 |
| 6 | 39 | 20 | 29 | 36 | 0 | 0.04 |
| 7 | 39 | 20 | 29 | 36 | 0 | 0.04 |
| 8 | 39 | 20 | 29 | 36 | 0 | 0.04 |
| 9 | 39 | 20 | 30 | 35 | 0 | 0.04 |
| 10 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 11 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 12 | 39 | 21 | 30 | 35 | 0 | 0.04 |
| 13 | 40 | 21 | 31 | 34 | 0 | 0.04 |
| 14 | 40 | 21 | 31 | 34 | 0 | 0.04 |
| 15 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 16 | 40 | 22 | 31 | 34 | 0 | 0.05 |
| 17 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 18 | 41 | 22 | 32 | 33 | 0 | 0.04 |
| 19 | 41 | 22 | 32 | 33 | 0 | 0.04 |
| 20 | 41 | 23 | 32 | 33 | 0 | 0.04 |
| 21 | 41 | 23 | 32 | 33 | 0 | 0.04 |
| 22 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 23 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 24 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 25 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 26 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 27 | 43 | 24 | 34 | 31 | 0 | 0.04 |
| 28 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 29 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 30 | 44 | 24 | 34 | 31 | 0 | 0.04 |
| 31 | 44 | 25 | 35 | 30 | 0 | 0.04 |
| MTH | 40.5 | 21.8 | 31.2 | 1048 | 0 | 1.25 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 26 | 35 | 30 | 0 | 0.04 |
| 2 | 45 | 26 | 35 | 30 | 0 | 0.04 |
| 3 | 45 | 26 | 35 | 30 | 0 | 0.04 |
| 4 | 45 | 26 | 35 | 30 | 0 | 0.04 |
| 5 | 46 | 26 | 36 | 29 | 0 | 0.04 |
| 6 | 46 | 26 | 36 | 29 | 0 | 0.03 |
| 7 | 46 | 26 | 36 | 29 | 0 | 0.03 |
| 8 | 46 | 27 | 36 | 29 | 0 | 0.03 |
| 9 | 47 | 27 | 37 | 28 | 0 | 0.03 |
| 10 | 47 | 27 | 37 | 28 | 0 | 0.03 |
| 11 | 47 | 27 | 37 | 28 | 0 | 0.03 |
| 12 | 47 | 27 | 37 | 28 | 0 | 0.03 |
| 13 | 48 | 27 | 38 | 27 | 0 | 0.03 |
| 14 | 48 | 28 | 38 | 27 | 0 | 0.03 |
| 15 | 48 | 28 | 38 | 27 | 0 | 0.03 |
| 16 | 48 | 28 | 38 | 27 | 0 | 0.03 |
| 17 | 49 | 28 | 39 | 26 | 0 | 0.03 |
| 18 | 49 | 28 | 39 | 26 | 0 | 0.03 |
| 19 | 50 | 28 | 39 | 26 | 0 | 0.03 |
| 20 | 50 | 28 | 39 | 26 | 0 | 0.03 |
| 21 | 50 | 29 | 40 | 25 | 0 | 0.03 |
| 22 | 50 | 29 | 40 | 25 | 0 | 0.03 |
| 23 | 51 | 29 | 40 | 25 | 0 | 0.03 |
| 24 | 51 | 29 | 40 | 25 | 0 | 0.03 |
| 25 | 51 | 30 | 41 | 24 | 0 | 0.04 |
| 26 | 52 | 30 | 41 | 24 | 0 | 0.04 |
| 27 | 52 | 30 | 41 | 24 | 0 | 0.04 |
| 28 | 52 | 31 | 42 | 23 | 0 | 0.04 |
| 29 | 53 | 31 | 42 | 23 | 0 | 0.04 |
| 30 | 53 | 31 | 42 | 23 | 0 | 0.04 |
| MTH | 48.6 | 28.0 | 38.3 | 801 | 0 | 1.01 |
| | 49.3 | 28.5 | 38.9 | 2398 | 0 | 3.46 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 53 | 32 | 42 | 23 | 0 | 0.04 |
| 2 | 54 | 33 | 43 | 22 | 0 | 0.04 |
| 3 | 54 | 33 | 43 | 22 | 0 | 0.04 |
| 4 | 54 | 33 | 43 | 22 | 0 | 0.04 |
| 5 | 55 | 33 | 44 | 21 | 0 | 0.04 |
| 6 | 55 | 33 | 44 | 21 | 0 | 0.04 |
| 7 | 56 | 33 | 44 | 21 | 0 | 0.04 |
| 8 | 56 | 34 | 45 | 20 | 0 | 0.04 |
| 9 | 56 | 34 | 45 | 20 | 0 | 0.04 |
| 10 | 56 | 34 | 45 | 20 | 0 | 0.04 |
| 11 | 57 | 35 | 46 | 19 | 0 | 0.04 |
| 12 | 57 | 35 | 46 | 19 | 0 | 0.04 |
| 13 | 57 | 35 | 46 | 19 | 0 | 0.04 |
| 14 | 58 | 35 | 47 | 18 | 0 | 0.04 |
| 15 | 58 | 36 | 47 | 18 | 0 | 0.04 |
| 16 | 58 | 36 | 47 | 18 | 0 | 0.04 |
| 17 | 59 | 36 | 48 | 17 | 0 | 0.04 |
| 18 | 59 | 36 | 48 | 17 | 0 | 0.04 |
| 19 | 60 | 36 | 48 | 17 | 0 | 0.04 |
| 20 | 60 | 36 | 48 | 17 | 0 | 0.04 |
| 21 | 61 | 37 | 49 | 16 | 0 | 0.04 |
| 22 | 61 | 37 | 49 | 16 | 0 | 0.04 |
| 23 | 61 | 38 | 50 | 15 | 0 | 0.04 |
| 24 | 62 | 38 | 50 | 15 | 0 | 0.04 |
| 25 | 62 | 38 | 50 | 15 | 0 | 0.04 |
| 26 | 63 | 38 | 51 | 14 | 0 | 0.04 |
| 27 | 63 | 39 | 51 | 14 | 0 | 0.04 |
| 28 | 63 | 39 | 51 | 14 | 0 | 0.03 |
| 29 | 64 | 39 | 52 | 13 | 0 | 0.03 |
| 30 | 65 | 39 | 52 | 13 | 0 | 0.03 |
| 31 | 65 | 39 | 52 | 13 | 0 | 0.03 |
| MTH | 58.8 | 35.8 | 47.3 | 549 | 0 | 1.20 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SALINA 24 E UTAH Station Number: 427559

Latitude: 38 B 54 * 50 ( Longitude: -111 B 24 * 58 ( Elevation (feet): 7560

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 66 | 41 | 53 | 12 | 0 | 0.03 |
| 2 | 66 | 41 | 53 | 12 | 0 | 0.03 |
| 3 | 66 | 41 | 53 | 12 | 0 | 0.03 |
| 4 | 67 | 41 | 54 | 11 | 0 | 0.03 |
| 5 | 67 | 41 | 54 | 11 | 0 | 0.03 |
| 6 | 67 | 41 | 54 | 11 | 0 | 0.03 |
| 7 | 68 | 41 | 55 | 10 | 0 | 0.03 |
| 8 | 68 | 42 | 55 | 10 | 0 | 0.03 |
| 9 | 68 | 42 | 55 | 10 | 0 | 0.03 |
| 10 | 69 | 42 | 56 | 9 | 0 | 0.02 |
| 11 | 70 | 42 | 56 | 9 | 0 | 0.02 |
| 12 | 70 | 42 | 56 | 9 | 0 | 0.02 |
| 13 | 70 | 42 | 56 | 9 | 0 | 0.02 |
| 14 | 71 | 43 | 57 | 9 | 1 | 0.02 |
| 15 | 71 | 44 | 58 | 8 | 1 | 0.02 |
| 16 | 71 | 44 | 58 | 8 | 1 | 0.02 |
| 17 | 72 | 44 | 58 | 8 | 1 | 0.02 |
| 18 | 72 | 44 | 58 | 8 | 1 | 0.02 |
| 19 | 72 | 45 | 59 | 7 | 1 | 0.02 |
| 20 | 73 | 45 | 59 | 7 | 1 | 0.02 |
| 21 | 73 | 45 | 59 | 7 | 1 | 0.03 |
| 22 | 73 | 46 | 60 | 6 | 1 | 0.03 |
| 23 | 74 | 46 | 60 | 6 | 1 | 0.03 |
| 24 | 74 | 46 | 60 | 6 | 1 | 0.03 |
| 25 | 74 | 46 | 60 | 6 | 1 | 0.03 |
| 26 | 74 | 47 | 61 | 5 | 1 | 0.03 |
| 27 | 75 | 47 | 61 | 5 | 1 | 0.03 |
| 28 | 75 | 47 | 61 | 5 | 1 | 0.03 |
| 29 | 75 | 47 | 61 | 5 | 1 | 0.03 |
| 30 | 75 | 48 | 62 | 4 | 1 | 0.03 |
| MTH | 70.9 | 43.8 | 57.4 | 245 | 17 | 0.79 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 75 | 49 | 62 | 4 | 1 | 0.03 |
| 2 | 75 | 49 | 62 | 4 | 1 | 0.03 |
| 3 | 75 | 50 | 62 | 4 | 1 | 0.04 |
| 4 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 5 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 6 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 7 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 8 | 76 | 50 | 63 | 3 | 1 | 0.04 |
| 9 | 77 | 50 | 63 | 3 | 1 | 0.04 |
| 10 | 77 | 51 | 64 | 3 | 2 | 0.04 |
| 11 | 77 | 51 | 64 | 3 | 2 | 0.04 |
| 12 | 77 | 51 | 64 | 3 | 2 | 0.04 |
| 13 | 77 | 52 | 65 | 2 | 2 | 0.04 |
| 14 | 77 | 52 | 65 | 2 | 2 | 0.04 |
| 15 | 77 | 52 | 65 | 2 | 2 | 0.05 |
| 16 | 77 | 52 | 65 | 2 | 2 | 0.05 |
| 17 | 77 | 52 | 65 | 2 | 2 | 0.05 |
| 18 | 77 | 52 | 65 | 2 | 2 | 0.05 |
| 19 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 20 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 21 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 22 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 23 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 24 | 78 | 52 | 65 | 2 | 2 | 0.05 |
| 25 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 26 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 27 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 28 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 29 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 30 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 31 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| MTH | 77.1 | 51.3 | 64.2 | 70 | 46 | 1.39 |
| SUMMER SEASON: | 74.4 | 48.2 | 61.4 | 419 | 88 | 3.89 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 2 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 3 | 78 | 52 | 65 | 1 | 1 | 0.05 |
| 4 | 77 | 52 | 64 | 2 | 1 | 0.05 |
| 5 | 77 | 52 | 64 | 2 | 1 | 0.05 |
| 6 | 77 | 52 | 64 | 2 | 1 | 0.05 |
| 7 | 77 | 51 | 64 | 2 | 1 | 0.05 |
| 8 | 77 | 51 | 64 | 2 | 1 | 0.05 |
| 9 | 77 | 51 | 64 | 2 | 1 | 0.05 |
| 10 | 77 | 51 | 64 | 2 | 1 | 0.05 |
| 11 | 77 | 51 | 64 | 2 | 1 | 0.05 |
| 12 | 77 | 50 | 64 | 3 | 2 | 0.05 |
| 13 | 76 | 50 | 63 | 3 | 1 | 0.05 |
| 14 | 76 | 50 | 63 | 3 | 1 | 0.05 |
| 15 | 76 | 50 | 63 | 3 | 1 | 0.05 |
| 16 | 76 | 50 | 63 | 3 | 1 | 0.06 |
| 17 | 75 | 50 | 63 | 4 | 2 | 0.06 |
| 18 | 75 | 49 | 62 | 4 | 1 | 0.06 |
| 19 | 75 | 49 | 62 | 4 | 1 | 0.06 |
| 20 | 75 | 49 | 62 | 4 | 1 | 0.06 |
| 21 | 75 | 49 | 62 | 4 | 1 | 0.06 |
| 22 | 74 | 49 | 62 | 4 | 1 | 0.06 |
| 23 | 74 | 48 | 61 | 4 | 0 | 0.06 |
| 24 | 74 | 48 | 61 | 4 | 0 | 0.06 |
| 25 | 73 | 48 | 61 | 5 | 1 | 0.06 |
| 26 | 73 | 47 | 60 | 5 | 0 | 0.06 |
| 27 | 73 | 47 | 60 | 5 | 0 | 0.06 |
| 28 | 73 | 47 | 60 | 5 | 0 | 0.06 |
| 29 | 72 | 46 | 59 | 6 | 0 | 0.06 |
| 30 | 72 | 46 | 59 | 6 | 0 | 0.06 |
| 31 | 72 | 46 | 59 | 6 | 0 | 0.06 |
| MTH | 75.4 | 49.5 | 62.5 | 104 | 25 | 1.71 |

**SEPTEMBER**

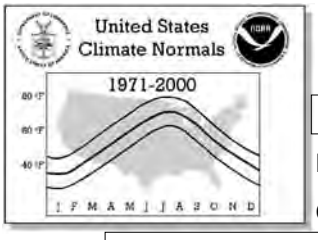
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 72 | 46 | 59 | 7 | 1 | 0.06 |
| 2 | 71 | 46 | 58 | 7 | 0 | 0.06 |
| 3 | 71 | 45 | 58 | 7 | 0 | 0.06 |
| 4 | 70 | 44 | 57 | 8 | 0 | 0.06 |
| 5 | 70 | 44 | 57 | 8 | 0 | 0.06 |
| 6 | 70 | 44 | 57 | 8 | 0 | 0.06 |
| 7 | 70 | 44 | 57 | 8 | 0 | 0.06 |
| 8 | 69 | 43 | 56 | 9 | 0 | 0.06 |
| 9 | 69 | 43 | 56 | 9 | 0 | 0.06 |
| 10 | 69 | 43 | 56 | 9 | 0 | 0.06 |
| 11 | 68 | 42 | 55 | 10 | 0 | 0.06 |
| 12 | 68 | 42 | 55 | 10 | 0 | 0.06 |
| 13 | 68 | 42 | 55 | 10 | 0 | 0.06 |
| 14 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 15 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 16 | 67 | 41 | 54 | 11 | 0 | 0.06 |
| 17 | 66 | 40 | 53 | 12 | 0 | 0.06 |
| 18 | 66 | 40 | 53 | 12 | 0 | 0.06 |
| 19 | 65 | 40 | 53 | 12 | 0 | 0.06 |
| 20 | 65 | 39 | 52 | 13 | 0 | 0.05 |
| 21 | 65 | 39 | 52 | 13 | 0 | 0.05 |
| 22 | 64 | 39 | 52 | 13 | 0 | 0.05 |
| 23 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 24 | 64 | 38 | 51 | 14 | 0 | 0.05 |
| 25 | 63 | 38 | 51 | 14 | 0 | 0.05 |
| 26 | 63 | 37 | 50 | 15 | 0 | 0.05 |
| 27 | 63 | 37 | 50 | 15 | 0 | 0.05 |
| 28 | 62 | 37 | 50 | 15 | 0 | 0.05 |
| 29 | 62 | 37 | 50 | 15 | 0 | 0.05 |
| 30 | 62 | 36 | 49 | 16 | 0 | 0.05 |
| MTH | 66.7 | 40.9 | 53.8 | 336 | 1 | 1.69 |
| AUTUMN SEASON: | 53.4 | 30.8 | 42.2 | 2077 | 1 | 4.06 |
| *ANNUAL:* | 52.3 | 30.4 | 41.4 | 8679 | 89 | 14.19 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 62 | 36 | 49 | 16 | 0 | 0.05 |
| 2 | 61 | 36 | 49 | 16 | 0 | 0.05 |
| 3 | 61 | 36 | 48 | 17 | 0 | 0.05 |
| 4 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 5 | 60 | 36 | 48 | 17 | 0 | 0.05 |
| 6 | 59 | 36 | 47 | 18 | 0 | 0.05 |
| 7 | 59 | 36 | 47 | 18 | 0 | 0.05 |
| 8 | 59 | 34 | 47 | 18 | 0 | 0.05 |
| 9 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| 10 | 58 | 34 | 46 | 19 | 0 | 0.05 |
| 11 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| 12 | 57 | 33 | 45 | 20 | 0 | 0.05 |
| 13 | 57 | 33 | 45 | 20 | 0 | 0.04 |
| 14 | 56 | 32 | 44 | 21 | 0 | 0.04 |
| 15 | 56 | 32 | 44 | 21 | 0 | 0.04 |
| 16 | 55 | 31 | 43 | 22 | 0 | 0.04 |
| 17 | 55 | 31 | 43 | 22 | 0 | 0.04 |
| 18 | 54 | 30 | 42 | 23 | 0 | 0.04 |
| 19 | 54 | 30 | 42 | 23 | 0 | 0.04 |
| 20 | 53 | 30 | 42 | 23 | 0 | 0.04 |
| 21 | 53 | 29 | 41 | 24 | 0 | 0.04 |
| 22 | 52 | 29 | 41 | 24 | 0 | 0.04 |
| 23 | 51 | 29 | 40 | 25 | 0 | 0.04 |
| 24 | 51 | 29 | 40 | 25 | 0 | 0.04 |
| 25 | 50 | 28 | 39 | 26 | 0 | 0.04 |
| 26 | 50 | 28 | 39 | 26 | 0 | 0.04 |
| 27 | 49 | 27 | 38 | 27 | 0 | 0.04 |
| 28 | 49 | 27 | 38 | 27 | 0 | 0.04 |
| 29 | 48 | 26 | 37 | 28 | 0 | 0.04 |
| 30 | 47 | 26 | 37 | 28 | 0 | 0.04 |
| 31 | 47 | 25 | 36 | 29 | 0 | 0.04 |
| MTH | 54.8 | 31.4 | 43.1 | 679 | 0 | 1.36 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 46 | 25 | 36 | 29 | 0 | 0.04 |
| 2 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 3 | 45 | 25 | 35 | 30 | 0 | 0.04 |
| 4 | 44 | 25 | 34 | 31 | 0 | 0.04 |
| 5 | 44 | 25 | 34 | 31 | 0 | 0.04 |
| 6 | 43 | 23 | 33 | 32 | 0 | 0.04 |
| 7 | 42 | 23 | 33 | 32 | 0 | 0.04 |
| 8 | 42 | 22 | 32 | 33 | 0 | 0.04 |
| 9 | 41 | 22 | 32 | 33 | 0 | 0.04 |
| 10 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 11 | 40 | 22 | 31 | 34 | 0 | 0.04 |
| 12 | 40 | 21 | 31 | 34 | 0 | 0.03 |
| 13 | 39 | 21 | 30 | 35 | 0 | 0.03 |
| 14 | 39 | 20 | 30 | 35 | 0 | 0.03 |
| 15 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 16 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 17 | 38 | 20 | 29 | 36 | 0 | 0.03 |
| 18 | 37 | 19 | 28 | 37 | 0 | 0.03 |
| 19 | 37 | 19 | 28 | 37 | 0 | 0.03 |
| 20 | 36 | 19 | 28 | 37 | 0 | 0.03 |
| 21 | 36 | 18 | 27 | 38 | 0 | 0.03 |
| 22 | 36 | 18 | 27 | 38 | 0 | 0.03 |
| 23 | 36 | 18 | 27 | 38 | 0 | 0.03 |
| 24 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 25 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 26 | 35 | 17 | 26 | 39 | 0 | 0.03 |
| 27 | 34 | 17 | 26 | 39 | 0 | 0.03 |
| 28 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 29 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| 30 | 34 | 16 | 25 | 40 | 0 | 0.03 |
| MTH | 38.8 | 20.3 | 29.6 | 1062 | 0 | 1.01 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

## Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SALINA 24 E UTAH Station Number: 427559

Latitude: 38° 54* 50( Longitude: -111° 24* 58( Elevation (feet): 7560

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.11 | 0.06 | 0.08 | 0.02 | 0.04 | 0.01 | 0.10 | 0.18 | 0.04 | 0.04 | 0.04 | 0.04 | 6.73 |
| 0.010 | 0.15 | 0.08 | 0.12 | 0.04 | 0.06 | 0.02 | 0.13 | 0.23 | 0.07 | 0.06 | 0.06 | 0.06 | 7.27 |
| 0.050 | 0.28 | 0.18 | 0.25 | 0.12 | 0.16 | 0.08 | 0.29 | 0.44 | 0.20 | 0.18 | 0.15 | 0.14 | 8.91 |
| 0.100 | 0.38 | 0.26 | 0.37 | 0.19 | 0.26 | 0.13 | 0.42 | 0.61 | 0.33 | 0.29 | 0.23 | 0.22 | 9.88 |
| 0.200 | 0.52 | 0.39 | 0.55 | 0.34 | 0.43 | 0.24 | 0.62 | 0.85 | 0.57 | 0.49 | 0.38 | 0.34 | 11.16 |
| 0.300 | 0.65 | 0.51 | 0.72 | 0.48 | 0.60 | 0.35 | 0.81 | 1.07 | 0.81 | 0.67 | 0.52 | 0.46 | 12.14 |
| 0.400 | 0.78 | 0.64 | 0.89 | 0.63 | 0.77 | 0.47 | 0.99 | 1.29 | 1.06 | 0.87 | 0.66 | 0.58 | 13.03 |
| 0.500 | 0.92 | 0.77 | 1.07 | 0.79 | 0.97 | 0.61 | 1.19 | 1.51 | 1.34 | 1.09 | 0.82 | 0.71 | 13.90 |
| 0.600 | 1.07 | 0.92 | 1.28 | 0.99 | 1.19 | 0.77 | 1.41 | 1.76 | 1.66 | 1.35 | 1.01 | 0.86 | 14.80 |
| 0.700 | 1.24 | 1.10 | 1.53 | 1.23 | 1.47 | 0.97 | 1.68 | 2.06 | 2.07 | 1.66 | 1.23 | 1.04 | 15.81 |
| 0.800 | 1.47 | 1.34 | 1.85 | 1.56 | 1.85 | 1.24 | 2.04 | 2.45 | 2.62 | 2.08 | 1.54 | 1.28 | 17.05 |
| 0.900 | 1.83 | 1.72 | 2.38 | 2.10 | 2.46 | 1.70 | 2.61 | 3.06 | 3.52 | 2.77 | 2.03 | 1.67 | 18.87 |
| 0.950 | 2.17 | 2.09 | 2.87 | 2.63 | 3.05 | 2.15 | 3.14 | 3.63 | 4.40 | 3.44 | 2.50 | 2.04 | 20.47 |
| 0.990 | 2.90 | 2.89 | 3.97 | 3.82 | 4.39 | 3.17 | 4.32 | 4.87 | 6.39 | 4.94 | 3.56 | 2.87 | 23.69 |
| 0.995 | 3.20 | 3.23 | 4.42 | 4.32 | 4.95 | 3.60 | 4.81 | 5.38 | 7.23 | 5.57 | 4.01 | 3.22 | 24.95 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SCIPIO UTAH Station Number: 427714

Latitude: 39 B 14 * 47 ( Longitude: -112 B 06* 24 ( Elevation (feet): 5315

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 43 | 17 | 30 | 35 | 0 | 0.04 |
| 2 | 43 | 16 | 29 | 36 | 0 | 0.04 |
| 3 | 43 | 16 | 29 | 36 | 0 | 0.04 |
| 4 | 42 | 15 | 28 | 37 | 0 | 0.04 |
| 5 | 42 | 15 | 28 | 37 | 0 | 0.03 |
| 6 | 42 | 14 | 28 | 37 | 0 | 0.03 |
| 7 | 42 | 13 | 27 | 38 | 0 | 0.03 |
| 8 | 41 | 13 | 27 | 38 | 0 | 0.03 |
| 9 | 40 | 13 | 27 | 38 | 0 | 0.03 |
| 10 | 40 | 13 | 27 | 38 | 0 | 0.03 |
| 11 | 40 | 12 | 26 | 39 | 0 | 0.03 |
| 12 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 13 | 39 | 12 | 26 | 39 | 0 | 0.03 |
| 14 | 38 | 12 | 25 | 40 | 0 | 0.03 |
| 15 | 38 | 12 | 25 | 40 | 0 | 0.03 |
| 16 | 38 | 12 | 25 | 40 | 0 | 0.03 |
| 17 | 38 | 11 | 25 | 40 | 0 | 0.03 |
| 18 | 38 | 11 | 25 | 40 | 0 | 0.03 |
| 19 | 37 | 11 | 24 | 41 | 0 | 0.03 |
| 20 | 37 | 11 | 24 | 41 | 0 | 0.03 |
| 21 | 37 | 11 | 24 | 41 | 0 | 0.03 |
| 22 | 37 | 11 | 24 | 41 | 0 | 0.03 |
| 23 | 37 | 11 | 24 | 41 | 0 | 0.03 |
| 24 | 37 | 10 | 24 | 41 | 0 | 0.03 |
| 25 | 37 | 10 | 24 | 41 | 0 | 0.03 |
| 26 | 37 | 10 | 24 | 41 | 0 | 0.04 |
| 27 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 28 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 29 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 30 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 31 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| MTH | 38.8 | 12.1 | 25.5 | 1225 | 0 | 1.03 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 2 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 3 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 4 | 36 | 10 | 23 | 42 | 0 | 0.04 |
| 5 | 36 | 11 | 23 | 42 | 0 | 0.04 |
| 6 | 36 | 11 | 23 | 42 | 0 | 0.04 |
| 7 | 36 | 11 | 23 | 42 | 0 | 0.04 |
| 8 | 36 | 11 | 23 | 42 | 0 | 0.04 |
| 9 | 36 | 11 | 23 | 42 | 0 | 0.04 |
| 10 | 36 | 11 | 24 | 41 | 0 | 0.04 |
| 11 | 36 | 11 | 24 | 41 | 0 | 0.04 |
| 12 | 36 | 11 | 24 | 41 | 0 | 0.04 |
| 13 | 36 | 11 | 24 | 41 | 0 | 0.04 |
| 14 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 15 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 16 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 17 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 18 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 19 | 37 | 11 | 24 | 41 | 0 | 0.04 |
| 20 | 37 | 12 | 25 | 40 | 0 | 0.04 |
| 21 | 38 | 12 | 25 | 40 | 0 | 0.04 |
| 22 | 38 | 12 | 25 | 40 | 0 | 0.04 |
| 23 | 38 | 12 | 25 | 40 | 0 | 0.04 |
| 24 | 38 | 12 | 25 | 40 | 0 | 0.04 |
| 25 | 38 | 13 | 26 | 39 | 0 | 0.05 |
| 26 | 39 | 13 | 26 | 39 | 0 | 0.05 |
| 27 | 39 | 13 | 26 | 39 | 0 | 0.05 |
| 28 | 39 | 13 | 26 | 39 | 0 | 0.05 |
| 29 | 39 | 13 | 26 | 39 | 0 | 0.05 |
| 30 | 40 | 14 | 27 | 38 | 0 | 0.05 |
| 31 | 40 | 14 | 27 | 38 | 0 | 0.05 |
| MTH | 37.2 | 11.6 | 24.4 | 1259 | 0 | 1.31 |
| | 39.9 | 13.7 | 26.9 | 3443 | 0 | 3.68 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 41 | 14 | 27 | 38 | 0 | 0.04 |
| 2 | 41 | 15 | 28 | 37 | 0 | 0.04 |
| 3 | 41 | 15 | 28 | 37 | 0 | 0.05 |
| 4 | 41 | 15 | 28 | 37 | 0 | 0.05 |
| 5 | 42 | 15 | 28 | 37 | 0 | 0.05 |
| 6 | 42 | 15 | 28 | 37 | 0 | 0.05 |
| 7 | 42 | 16 | 29 | 36 | 0 | 0.05 |
| 8 | 42 | 16 | 29 | 36 | 0 | 0.05 |
| 9 | 42 | 16 | 29 | 36 | 0 | 0.05 |
| 10 | 43 | 16 | 30 | 35 | 0 | 0.05 |
| 11 | 43 | 17 | 30 | 35 | 0 | 0.05 |
| 12 | 43 | 17 | 30 | 35 | 0 | 0.05 |
| 13 | 43 | 17 | 30 | 35 | 0 | 0.05 |
| 14 | 44 | 17 | 31 | 34 | 0 | 0.05 |
| 15 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 16 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 17 | 44 | 18 | 31 | 34 | 0 | 0.05 |
| 18 | 45 | 18 | 32 | 33 | 0 | 0.05 |
| 19 | 45 | 19 | 32 | 33 | 0 | 0.05 |
| 20 | 45 | 19 | 32 | 33 | 0 | 0.05 |
| 21 | 45 | 19 | 32 | 33 | 0 | 0.05 |
| 22 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 23 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 24 | 46 | 20 | 33 | 32 | 0 | 0.05 |
| 25 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 26 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 27 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| 28 | 47 | 21 | 34 | 31 | 0 | 0.04 |
| MTH | 43.9 | 17.6 | 30.8 | 959 | 0 | 1.34 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 2 | 48 | 22 | 35 | 30 | 0 | 0.05 |
| 3 | 48 | 23 | 35 | 30 | 0 | 0.05 |
| 4 | 50 | 23 | 36 | 29 | 0 | 0.05 |
| 5 | 50 | 23 | 36 | 29 | 0 | 0.05 |
| 6 | 50 | 23 | 36 | 29 | 0 | 0.05 |
| 7 | 50 | 23 | 36 | 29 | 0 | 0.05 |
| 8 | 50 | 23 | 37 | 28 | 0 | 0.05 |
| 9 | 50 | 23 | 37 | 28 | 0 | 0.05 |
| 10 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 11 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 12 | 51 | 24 | 38 | 27 | 0 | 0.04 |
| 13 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 14 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 15 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| 16 | 52 | 25 | 39 | 26 | 0 | 0.04 |
| 17 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 18 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 19 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 20 | 53 | 26 | 40 | 25 | 0 | 0.04 |
| 21 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 22 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 23 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 24 | 54 | 27 | 41 | 24 | 0 | 0.04 |
| 25 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 26 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 27 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 28 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 29 | 55 | 27 | 41 | 24 | 0 | 0.04 |
| 30 | 56 | 27 | 42 | 23 | 0 | 0.04 |
| 31 | 56 | 28 | 42 | 23 | 0 | 0.04 |
| MTH | 52.3 | 24.8 | 38.6 | 820 | 0 | 1.33 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 2 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 3 | 57 | 28 | 43 | 22 | 0 | 0.04 |
| 4 | 58 | 28 | 43 | 22 | 0 | 0.04 |
| 5 | 58 | 29 | 43 | 22 | 0 | 0.04 |
| 6 | 58 | 29 | 43 | 22 | 0 | 0.04 |
| 7 | 58 | 29 | 43 | 22 | 0 | 0.04 |
| 8 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 9 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 10 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 11 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 12 | 60 | 29 | 45 | 20 | 0 | 0.04 |
| 13 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 14 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 15 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 16 | 61 | 30 | 46 | 19 | 0 | 0.04 |
| 17 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 18 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 19 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 20 | 62 | 31 | 47 | 18 | 0 | 0.04 |
| 21 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 22 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 23 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 24 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 25 | 64 | 32 | 48 | 17 | * | 0.04 |
| 26 | 64 | 32 | 48 | 17 | * | 0.04 |
| 27 | 64 | 33 | 49 | 16 | * | 0.04 |
| 28 | 65 | 33 | 49 | 16 | * | 0.04 |
| 29 | 65 | 34 | 50 | 16 | * | 0.04 |
| 30 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| MTH | 60.8 | 30.5 | 45.7 | 581 | 1 | 1.21 |
| | 61.4 | 31.3 | 46.4 | 1718 | 8 | 3.98 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 2 | 66 | 35 | 50 | 15 | 0 | 0.05 |
| 3 | 67 | 35 | 51 | 14 | 0 | 0.05 |
| 4 | 68 | 35 | 51 | 14 | 0 | 0.05 |
| 5 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 6 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 7 | 68 | 36 | 52 | 13 | 0 | 0.05 |
| 8 | 68 | 37 | 53 | 12 | 0 | 0.05 |
| 9 | 69 | 37 | 53 | 12 | 0 | 0.05 |
| 10 | 69 | 37 | 53 | 12 | 0 | 0.05 |
| 11 | 69 | 37 | 53 | 12 | 0 | 0.05 |
| 12 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 13 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 14 | 70 | 38 | 54 | 11 | 0 | 0.05 |
| 15 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 16 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 17 | 71 | 39 | 55 | 10 | 0 | 0.05 |
| 18 | 72 | 39 | 56 | 9 | 0 | 0.05 |
| 19 | 72 | 40 | 56 | 9 | 0 | 0.05 |
| 20 | 72 | 40 | 56 | 9 | 0 | 0.05 |
| 21 | 73 | 40 | 57 | 8 | 0 | 0.05 |
| 22 | 73 | 40 | 57 | 8 | 0 | 0.04 |
| 23 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 24 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 25 | 75 | 41 | 58 | 8 | 1 | 0.04 |
| 26 | 75 | 41 | 58 | 8 | 1 | 0.04 |
| 27 | 75 | 42 | 59 | 7 | 1 | 0.04 |
| 28 | 76 | 42 | 59 | 7 | 1 | 0.04 |
| 29 | 76 | 42 | 59 | 7 | 1 | 0.04 |
| 30 | 76 | 42 | 59 | 7 | 1 | 0.04 |
| 31 | 77 | 43 | 60 | 6 | 1 | 0.03 |
| MTH | 71.3 | 38.7 | 55.0 | 317 | 7 | 1.44 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SCIPIO UTAH Station Number: 427714

Latitude: 39° 14* 47( Longitude: -112° 06* 24( Elevation (feet): 5315

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 77 | 43 | 60 | 6 | 1 | 0.03 |
| 2 | 77 | 44 | 60 | 6 | 1 | 0.03 |
| 3 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 4 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 5 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 6 | 78 | 44 | 61 | 5 | 1 | 0.03 |
| 7 | 79 | 44 | 62 | 4 | 1 | 0.02 |
| 8 | 80 | 44 | 62 | 4 | 1 | 0.02 |
| 9 | 80 | 45 | 63 | 4 | 2 | 0.02 |
| 10 | 80 | 45 | 63 | 4 | 2 | 0.02 |
| 11 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 12 | 81 | 45 | 63 | 4 | 2 | 0.02 |
| 13 | 81 | 46 | 64 | 3 | 2 | 0.02 |
| 14 | 82 | 46 | 64 | 3 | 2 | 0.02 |
| 15 | 82 | 46 | 64 | 3 | 2 | 0.02 |
| 16 | 82 | 47 | 65 | 3 | 3 | 0.02 |
| 17 | 83 | 47 | 65 | 3 | 3 | 0.02 |
| 18 | 83 | 47 | 65 | 3 | 3 | 0.02 |
| 19 | 83 | 47 | 65 | 3 | 3 | 0.02 |
| 20 | 84 | 48 | 66 | 2 | 3 | 0.02 |
| 21 | 84 | 48 | 66 | 2 | 3 | 0.02 |
| 22 | 84 | 49 | 67 | 2 | 4 | 0.02 |
| 23 | 84 | 49 | 67 | 2 | 4 | 0.02 |
| 24 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 25 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 26 | 85 | 49 | 67 | 2 | 4 | 0.02 |
| 27 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 28 | 86 | 50 | 68 | 2 | 5 | 0.02 |
| 29 | 86 | 51 | 69 | 1 | 5 | 0.02 |
| 30 | 87 | 51 | 69 | 1 | 5 | 0.02 |
| MTH | 82.0 | 46.7 | 64.4 | 97 | 80 | 0.66 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 53 | 70 | 1 | 6 | 0.02 |
| 2 | 87 | 53 | 70 | 1 | 6 | 0.02 |
| 3 | 88 | 53 | 70 | 1 | 6 | 0.02 |
| 4 | 88 | 53 | 70 | 1 | 6 | 0.02 |
| 5 | 88 | 53 | 70 | 1 | 6 | 0.02 |
| 6 | 88 | 54 | 71 | 1 | 7 | 0.02 |
| 7 | 89 | 54 | 72 | 0 | 7 | 0.02 |
| 8 | 89 | 55 | 72 | 0 | 7 | 0.02 |
| 9 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 10 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 11 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 12 | 89 | 55 | 72 | 0 | 7 | 0.03 |
| 13 | 90 | 55 | 73 | 0 | 8 | 0.03 |
| 14 | 90 | 55 | 73 | 0 | 8 | 0.03 |
| 15 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 16 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 17 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 18 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 19 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 20 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 21 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 22 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 23 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 24 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 25 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 26 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 27 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 28 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 29 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 30 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 31 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| MTH | 89.4 | 55.2 | 72.3 | 6 | 231 | 0.85 |
| SUMMER SEASON: | 86.2 | 51.8 | 69.0 | 115 | 489 | 2.64 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 2 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 3 | 90 | 56 | 73 | 0 | 8 | 0.03 |
| 4 | 89 | 56 | 73 | 0 | 8 | 0.03 |
| 5 | 89 | 56 | 72 | 0 | 7 | 0.03 |
| 6 | 89 | 56 | 72 | 0 | 7 | 0.03 |
| 7 | 89 | 56 | 72 | 0 | 7 | 0.03 |
| 8 | 89 | 56 | 72 | 0 | 7 | 0.04 |
| 9 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 10 | 89 | 55 | 72 | 0 | 7 | 0.04 |
| 11 | 88 | 55 | 72 | 0 | 7 | 0.04 |
| 12 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 13 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 14 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 15 | 88 | 54 | 71 | 0 | 6 | 0.04 |
| 16 | 87 | 54 | 71 | 0 | 6 | 0.04 |
| 17 | 87 | 54 | 71 | 0 | 6 | 0.04 |
| 18 | 87 | 54 | 71 | 0 | 6 | 0.04 |
| 19 | 87 | 53 | 70 | 0 | 5 | 0.04 |
| 20 | 87 | 53 | 70 | 0 | 5 | 0.04 |
| 21 | 86 | 52 | 69 | 1 | 5 | 0.04 |
| 22 | 86 | 52 | 69 | 1 | 5 | 0.04 |
| 23 | 86 | 52 | 69 | 1 | 5 | 0.04 |
| 24 | 86 | 52 | 69 | 1 | 5 | 0.04 |
| 25 | 85 | 51 | 68 | 1 | 4 | 0.04 |
| 26 | 85 | 51 | 68 | 1 | 4 | 0.04 |
| 27 | 85 | 51 | 68 | 1 | 4 | 0.04 |
| 28 | 84 | 51 | 68 | 1 | 4 | 0.03 |
| 29 | 84 | 50 | 67 | 1 | 3 | 0.03 |
| 30 | 84 | 49 | 67 | 1 | 3 | 0.03 |
| 31 | 83 | 49 | 66 | 2 | 3 | 0.03 |
| MTH | 87.2 | 53.5 | 70.4 | 12 | 178 | 1.13 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 2 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 3 | 83 | 49 | 66 | 2 | 3 | 0.04 |
| 4 | 83 | 49 | 66 | 2 | 3 | 0.03 |
| 5 | 82 | 47 | 64 | 3 | 2 | 0.03 |
| 6 | 82 | 46 | 64 | 3 | 2 | 0.03 |
| 7 | 81 | 46 | 64 | 3 | 2 | 0.03 |
| 8 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 9 | 81 | 45 | 63 | 4 | 2 | 0.03 |
| 10 | 80 | 45 | 63 | 4 | 2 | 0.03 |
| 11 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 12 | 80 | 44 | 62 | 4 | 1 | 0.03 |
| 13 | 79 | 43 | 61 | 5 | 1 | 0.03 |
| 14 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 15 | 79 | 43 | 61 | 5 | 1 | 0.04 |
| 16 | 78 | 42 | 60 | 6 | 1 | 0.04 |
| 17 | 78 | 42 | 60 | 6 | 1 | 0.04 |
| 18 | 77 | 41 | 59 | 6 | 0 | 0.04 |
| 19 | 77 | 41 | 59 | 6 | 0 | 0.04 |
| 20 | 77 | 41 | 59 | 6 | 0 | 0.04 |
| 21 | 76 | 40 | 58 | 7 | 0 | 0.04 |
| 22 | 76 | 40 | 58 | 7 | 0 | 0.04 |
| 23 | 76 | 39 | 58 | 7 | 0 | 0.04 |
| 24 | 75 | 39 | 57 | 8 | 0 | 0.04 |
| 25 | 75 | 39 | 57 | 8 | 0 | 0.04 |
| 26 | 74 | 38 | 56 | 9 | 0 | 0.04 |
| 27 | 74 | 38 | 56 | 9 | 0 | 0.04 |
| 28 | 73 | 37 | 55 | 10 | 0 | 0.04 |
| 29 | 73 | 37 | 55 | 10 | 0 | 0.04 |
| 30 | 73 | 36 | 55 | 10 | 0 | 0.04 |
| MTH | 78.3 | 42.6 | 60.5 | 167 | 31 | 1.10 |
| AUTUMN SEASON: | | | | | | |
| *ANNUAL:* | | | | | | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 73 | 36 | 54 | 11 | 0 | 0.04 |
| 2 | 73 | 36 | 54 | 11 | 0 | 0.05 |
| 3 | 72 | 35 | 53 | 12 | 0 | 0.05 |
| 4 | 71 | 35 | 53 | 12 | 0 | 0.05 |
| 5 | 71 | 34 | 53 | 12 | 0 | 0.05 |
| 6 | 70 | 34 | 52 | 13 | 0 | 0.05 |
| 7 | 70 | 34 | 52 | 13 | 0 | 0.05 |
| 8 | 69 | 33 | 51 | 14 | 0 | 0.05 |
| 9 | 69 | 33 | 51 | 14 | 0 | 0.05 |
| 10 | 69 | 33 | 51 | 14 | 0 | 0.05 |
| 11 | 68 | 32 | 50 | 15 | 0 | 0.05 |
| 12 | 68 | 32 | 50 | 15 | 0 | 0.05 |
| 13 | 67 | 31 | 49 | 16 | 0 | 0.05 |
| 14 | 67 | 31 | 49 | 16 | 0 | 0.05 |
| 15 | 66 | 31 | 49 | 16 | 0 | 0.05 |
| 16 | 66 | 30 | 48 | 17 | 0 | 0.05 |
| 17 | 65 | 30 | 48 | 17 | 0 | 0.05 |
| 18 | 65 | 29 | 47 | 18 | 0 | 0.05 |
| 19 | 65 | 29 | 47 | 18 | 0 | 0.05 |
| 20 | 64 | 29 | 47 | 18 | 0 | 0.05 |
| 21 | 63 | 29 | 46 | 19 | 0 | 0.05 |
| 22 | 63 | 29 | 46 | 19 | 0 | 0.05 |
| 23 | 62 | 28 | 45 | 20 | 0 | 0.05 |
| 24 | 62 | 28 | 45 | 20 | 0 | 0.05 |
| 25 | 61 | 28 | 45 | 20 | 0 | 0.05 |
| 26 | 61 | 27 | 44 | 21 | 0 | 0.05 |
| 27 | 60 | 27 | 44 | 21 | 0 | 0.05 |
| 28 | 59 | 27 | 43 | 22 | 0 | 0.05 |
| 29 | 59 | 27 | 43 | 22 | 0 | 0.05 |
| 30 | 59 | 27 | 43 | 22 | 0 | 0.05 |
| 31 | 58 | 26 | 42 | 23 | 0 | 0.05 |
| MTH | 65.7 | 30.7 | 48.2 | 521 | 0 | 1.54 |
| AUTUMN SEASON: | 64.6 | 31.7 | 48.2 | 1561 | 31 | 3.89 |
| *ANNUAL:* | 63.0 | 32.1 | 47.6 | 6837 | 528 | 14.19 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 58 | 26 | 42 | 23 | 0 | 0.05 |
| 2 | 57 | 26 | 41 | 24 | 0 | 0.05 |
| 3 | 56 | 26 | 41 | 24 | 0 | 0.05 |
| 4 | 56 | 26 | 41 | 24 | 0 | 0.05 |
| 5 | 55 | 26 | 40 | 25 | 0 | 0.05 |
| 6 | 55 | 26 | 40 | 25 | 0 | 0.05 |
| 7 | 54 | 25 | 39 | 26 | 0 | 0.04 |
| 8 | 54 | 25 | 39 | 26 | 0 | 0.04 |
| 9 | 53 | 24 | 39 | 26 | 0 | 0.04 |
| 10 | 53 | 23 | 38 | 27 | 0 | 0.04 |
| 11 | 52 | 23 | 38 | 27 | 0 | 0.04 |
| 12 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 13 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 14 | 50 | 23 | 37 | 28 | 0 | 0.04 |
| 15 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 16 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 17 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 18 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 19 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 20 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 21 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 22 | 47 | 19 | 33 | 32 | 0 | 0.04 |
| 23 | 46 | 19 | 33 | 32 | 0 | 0.04 |
| 24 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 25 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 26 | 45 | 18 | 32 | 33 | 0 | 0.04 |
| 27 | 45 | 17 | 31 | 34 | 0 | 0.04 |
| 28 | 44 | 17 | 31 | 34 | 0 | 0.04 |
| 29 | 43 | 17 | 30 | 35 | 0 | 0.04 |
| 30 | 43 | 17 | 30 | 35 | 0 | 0.03 |
| MTH | 50.0 | 21.8 | 35.9 | 873 | 0 | 1.25 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SCIPIO UTAH Station Number: 427714

Latitude: 39° 14* 47( Longitude: -112° 06* 24( Elevation (feet): 5315

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.05 | 0.06 | 0.06 | 0.00 | 0.06 | 0.00 | 0.02 | 0.03 | 0.00 | 0.05 | 0.07 | 0.00 | 6.30 |
| 0.010 | 0.08 | 0.09 | 0.09 | 0.00 | 0.09 | 0.00 | 0.03 | 0.05 | 0.00 | 0.07 | 0.10 | 0.00 | 6.86 |
| 0.050 | 0.20 | 0.22 | 0.23 | 0.14 | 0.23 | 0.00 | 0.10 | 0.14 | 0.00 | 0.21 | 0.24 | 0.09 | 8.57 |
| 0.100 | 0.31 | 0.34 | 0.34 | 0.28 | 0.35 | 0.00 | 0.16 | 0.23 | 0.17 | 0.34 | 0.35 | 0.21 | 9.59 |
| 0.200 | 0.50 | 0.53 | 0.54 | 0.49 | 0.56 | 0.09 | 0.28 | 0.39 | 0.38 | 0.56 | 0.53 | 0.38 | 10.93 |
| 0.300 | 0.68 | 0.71 | 0.72 | 0.66 | 0.76 | 0.21 | 0.40 | 0.55 | 0.56 | 0.77 | 0.70 | 0.53 | 11.98 |
| 0.400 | 0.87 | 0.90 | 0.91 | 0.84 | 0.96 | 0.33 | 0.53 | 0.71 | 0.73 | 0.99 | 0.87 | 0.68 | 12.93 |
| 0.500 | 1.08 | 1.11 | 1.11 | 1.03 | 1.19 | 0.47 | 0.67 | 0.90 | 0.92 | 1.24 | 1.06 | 0.85 | 13.85 |
| 0.600 | 1.31 | 1.35 | 1.34 | 1.24 | 1.44 | 0.63 | 0.83 | 1.11 | 1.13 | 1.53 | 1.27 | 1.04 | 14.83 |
| 0.700 | 1.60 | 1.63 | 1.63 | 1.50 | 1.76 | 0.83 | 1.04 | 1.38 | 1.38 | 1.88 | 1.52 | 1.27 | 15.91 |
| 0.800 | 1.99 | 2.02 | 2.00 | 1.84 | 2.18 | 1.10 | 1.31 | 1.74 | 1.72 | 2.36 | 1.86 | 1.58 | 17.25 |
| 0.900 | 2.62 | 2.64 | 2.61 | 2.38 | 2.86 | 1.55 | 1.77 | 2.33 | 2.26 | 3.13 | 2.40 | 2.08 | 19.23 |
| 0.950 | 3.23 | 3.24 | 3.20 | 2.90 | 3.51 | 2.00 | 2.22 | 2.91 | 2.78 | 3.88 | 2.91 | 2.55 | 20.97 |
| 0.990 | 4.58 | 4.56 | 4.49 | 4.04 | 4.97 | 3.03 | 3.22 | 4.20 | 3.93 | 5.57 | 4.04 | 3.61 | 24.50 |
| 0.995 | 5.14 | 5.12 | 5.04 | 4.52 | 5.58 | 3.46 | 3.64 | 4.75 | 4.41 | 6.28 | 4.51 | 4.06 | 25.88 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SUMMIT UTAH Station Number: 428456

Latitude: 37° 48* 02( Longitude: -112° 55* 58( Elevation (feet): 6000

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 0.81 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.00 |
| | | | | | | 2.93 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| MTH | | | | | | 1.12 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.05 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.36 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.03 |
| 30 | | | | | | 0.03 |
| MTH | | | | | | 1.18 |
| | | | | | | 3.45 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.91 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SUMMIT UTAH Station Number: 428456

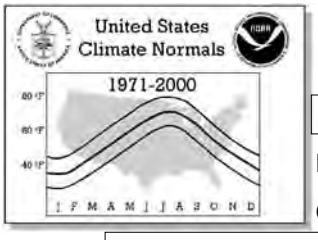
Latitude: 37° 48* 02 ( Longitude: -112° 55* 58 ( Elevation (feet): 6000

Climate Division: UT 04 South Central



| JUNE | | | | | | | JULY | | | | | | | AUGUST | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.02 | 1 | | | | | | 0.02 | 1 | | | | | | 0.04 |
| 2 | | | | | | 0.02 | 2 | | | | | | 0.02 | 2 | | | | | | 0.04 |
| 3 | | | | | | 0.02 | 3 | | | | | | 0.02 | 3 | | | | | | 0.04 |
| 4 | | | | | | 0.02 | 4 | | | | | | 0.03 | 4 | | | | | | 0.04 |
| 5 | | | | | | 0.02 | 5 | | | | | | 0.03 | 5 | | | | | | 0.04 |
| 6 | | | | | | 0.02 | 6 | | | | | | 0.03 | 6 | | | | | | 0.05 |
| 7 | | | | | | 0.01 | 7 | | | | | | 0.03 | 7 | | | | | | 0.05 |
| 8 | | | | | | 0.01 | 8 | | | | | | 0.03 | 8 | | | | | | 0.05 |
| 9 | | | | | | 0.01 | 9 | | | | | | 0.03 | 9 | | | | | | 0.05 |
| 10 | | | | | | 0.01 | 10 | | | | | | 0.03 | 10 | | | | | | 0.05 |
| 11 | | | | | | 0.01 | 11 | | | | | | 0.03 | 11 | | | | | | 0.05 |
| 12 | | | | | | 0.01 | 12 | | | | | | 0.03 | 12 | | | | | | 0.05 |
| 13 | | | | | | 0.01 | 13 | | | | | | 0.03 | 13 | | | | | | 0.05 |
| 14 | | | | | | 0.01 | 14 | | | | | | 0.03 | 14 | | | | | | 0.05 |
| 15 | | | | | | 0.01 | 15 | | | | | | 0.03 | 15 | | | | | | 0.04 |
| 16 | | | | | | 0.01 | 16 | | | | | | 0.04 | 16 | | | | | | 0.04 |
| 17 | | | | | | 0.01 | 17 | | | | | | 0.04 | 17 | | | | | | 0.04 |
| 18 | | | | | | 0.01 | 18 | | | | | | 0.04 | 18 | | | | | | 0.04 |
| 19 | | | | | | 0.01 | 19 | | | | | | 0.04 | 19 | | | | | | 0.04 |
| 20 | | | | | | 0.01 | 20 | | | | | | 0.04 | 20 | | | | | | 0.04 |
| 21 | | | | | | 0.01 | 21 | | | | | | 0.04 | 21 | | | | | | 0.04 |
| 22 | | | | | | 0.02 | 22 | | | | | | 0.04 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.02 | 23 | | | | | | 0.04 | 23 | | | | | | 0.04 |
| 24 | | | | | | 0.02 | 24 | | | | | | 0.04 | 24 | | | | | | 0.04 |
| 25 | | | | | | 0.02 | 25 | | | | | | 0.04 | 25 | | | | | | 0.04 |
| 26 | | | | | | 0.02 | 26 | | | | | | 0.04 | 26 | | | | | | 0.04 |
| 27 | | | | | | 0.02 | 27 | | | | | | 0.04 | 27 | | | | | | 0.04 |
| 28 | | | | | | 0.02 | 28 | | | | | | 0.04 | 28 | | | | | | 0.04 |
| 29 | | | | | | 0.02 | 29 | | | | | | 0.04 | 29 | | | | | | 0.04 |
| 30 | | | | | | 0.02 | 30 | | | | | | 0.04 | 30 | | | | | | 0.04 |
| | | | | | | | 31 | | | | | | 0.04 | 31 | | | | | | 0.04 |
| MTH | | | | | | 0.45 | MTH | | | | | | 1.06 | MTH | | | | | | 1.33 |
| | | | | | | SUMMER SEASON: | | | | | | | 2.84 | | | | | | | |

| SEPTEMBER | | | | | | | OCTOBER | | | | | | | NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP | Date | MAX | MIN | AVG | HDD | CDD | PRCP |
| 1 | | | | | | 0.04 | 1 | | | | | | 0.04 | 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 | 2 | | | | | | 0.04 | 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 | 3 | | | | | | 0.04 | 3 | | | | | | 0.04 |
| 4 | | | | | | 0.03 | 4 | | | | | | 0.04 | 4 | | | | | | 0.04 |
| 5 | | | | | | 0.03 | 5 | | | | | | 0.04 | 5 | | | | | | 0.04 |
| 6 | | | | | | 0.03 | 6 | | | | | | 0.04 | 6 | | | | | | 0.04 |
| 7 | | | | | | 0.03 | 7 | | | | | | 0.04 | 7 | | | | | | 0.04 |
| 8 | | | | | | 0.03 | 8 | | | | | | 0.04 | 8 | | | | | | 0.04 |
| 9 | | | | | | 0.03 | 9 | | | | | | 0.04 | 9 | | | | | | 0.04 |
| 10 | | | | | | 0.03 | 10 | | | | | | 0.04 | 10 | | | | | | 0.04 |
| 11 | | | | | | 0.03 | 11 | | | | | | 0.04 | 11 | | | | | | 0.04 |
| 12 | | | | | | 0.03 | 12 | | | | | | 0.04 | 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 | 13 | | | | | | 0.04 | 13 | | | | | | 0.04 |
| 14 | | | | | | 0.03 | 14 | | | | | | 0.04 | 14 | | | | | | 0.04 |
| 15 | | | | | | 0.03 | 15 | | | | | | 0.04 | 15 | | | | | | 0.04 |
| 16 | | | | | | 0.03 | 16 | | | | | | 0.04 | 16 | | | | | | 0.04 |
| 17 | | | | | | 0.03 | 17 | | | | | | 0.04 | 17 | | | | | | 0.04 |
| 18 | | | | | | 0.03 | 18 | | | | | | 0.05 | 18 | | | | | | 0.04 |
| 19 | | | | | | 0.03 | 19 | | | | | | 0.05 | 19 | | | | | | 0.04 |
| 20 | | | | | | 0.03 | 20 | | | | | | 0.05 | 20 | | | | | | 0.04 |
| 21 | | | | | | 0.03 | 21 | | | | | | 0.05 | 21 | | | | | | 0.04 |
| 22 | | | | | | 0.03 | 22 | | | | | | 0.05 | 22 | | | | | | 0.04 |
| 23 | | | | | | 0.03 | 23 | | | | | | 0.05 | 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 | 24 | | | | | | 0.05 | 24 | | | | | | 0.03 |
| 25 | | | | | | 0.03 | 25 | | | | | | 0.05 | 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 | 26 | | | | | | 0.05 | 26 | | | | | | 0.03 |
| 27 | | | | | | 0.04 | 27 | | | | | | 0.05 | 27 | | | | | | 0.03 |
| 28 | | | | | | 0.04 | 28 | | | | | | 0.04 | 28 | | | | | | 0.03 |
| 29 | | | | | | 0.04 | 29 | | | | | | 0.04 | 29 | | | | | | 0.03 |
| 30 | | | | | | 0.04 | 30 | | | | | | 0.04 | 30 | | | | | | 0.03 |
| | | | | | | | 31 | | | | | | 0.04 | | | | | | | |
| MTH | | | | | | 0.97 | MTH | | | | | | 1.34 | MTH | | | | | | 1.12 |
| | | | | | | AUTUMN SEASON: | | | | | | | 3.43 | | | | | | | |
| | | | | | | *ANNUAL:* | | | | | | | 12.65 | | | | | | | |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: SUMMIT UTAH Station Number: 428456

Latitude: 37° 48* 02( Longitude: -112° 55* 58( Elevation (feet): 6000

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.01 | 0.00 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 6.92 |
| 0.010 | 0.01 | 0.00 | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 7.36 |
| 0.050 | 0.06 | 0.21 | 0.25 | 0.13 | 0.00 | 0.00 | 0.02 | 0.12 | 0.01 | 0.16 | 0.12 | 0.11 | 8.67 |
| 0.100 | 0.12 | 0.36 | 0.37 | 0.22 | 0.00 | 0.00 | 0.09 | 0.27 | 0.06 | 0.26 | 0.26 | 0.22 | 9.43 |
| 0.200 | 0.24 | 0.55 | 0.57 | 0.38 | 0.33 | 0.00 | 0.22 | 0.49 | 0.17 | 0.45 | 0.45 | 0.35 | 10.40 |
| 0.300 | 0.37 | 0.71 | 0.76 | 0.55 | 0.49 | 0.00 | 0.37 | 0.68 | 0.30 | 0.63 | 0.61 | 0.47 | 11.15 |
| 0.400 | 0.53 | 0.85 | 0.94 | 0.72 | 0.64 | 0.23 | 0.54 | 0.88 | 0.45 | 0.83 | 0.77 | 0.58 | 11.82 |
| 0.500 | 0.71 | 1.01 | 1.15 | 0.92 | 0.79 | 0.36 | 0.74 | 1.10 | 0.63 | 1.05 | 0.95 | 0.70 | 12.46 |
| 0.600 | 0.93 | 1.17 | 1.38 | 1.15 | 0.96 | 0.48 | 0.98 | 1.35 | 0.86 | 1.31 | 1.15 | 0.83 | 13.13 |
| 0.700 | 1.21 | 1.37 | 1.66 | 1.44 | 1.16 | 0.63 | 1.29 | 1.64 | 1.16 | 1.64 | 1.38 | 0.99 | 13.87 |
| 0.800 | 1.60 | 1.63 | 2.03 | 1.84 | 1.41 | 0.80 | 1.72 | 2.04 | 1.58 | 2.07 | 1.70 | 1.20 | 14.77 |
| 0.900 | 2.27 | 2.03 | 2.62 | 2.49 | 1.83 | 1.08 | 2.46 | 2.69 | 2.31 | 2.79 | 2.21 | 1.53 | 16.09 |
| 0.950 | 2.94 | 2.40 | 3.19 | 3.12 | 2.22 | 1.34 | 3.19 | 3.31 | 3.05 | 3.49 | 2.69 | 1.85 | 17.23 |
| 0.990 | 4.48 | 3.21 | 4.45 | 4.56 | 3.07 | 1.89 | 4.88 | 4.68 | 4.77 | 5.08 | 3.76 | 2.54 | 19.51 |
| 0.995 | 5.14 | 3.54 | 4.97 | 5.17 | 3.42 | 2.12 | 5.61 | 5.26 | 5.52 | 5.75 | 4.21 | 2.82 | 20.39 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TROPIC UTAH Station Number: 428847

Latitude: 37° 37* 33( Longitude: -112° 04* 52( Elevation (feet): 6280

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 2 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 3 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 4 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 5 | 48 | 21 | 34 | 31 | 0 | 0.03 |
| 6 | 48 | 20 | 34 | 31 | 0 | 0.03 |
| 7 | 48 | 19 | 33 | 32 | 0 | 0.03 |
| 8 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 9 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 10 | 47 | 19 | 33 | 32 | 0 | 0.03 |
| 11 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 12 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 13 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 14 | 46 | 19 | 33 | 32 | 0 | 0.03 |
| 15 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 16 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 17 | 46 | 18 | 32 | 33 | 0 | 0.03 |
| 18 | 46 | 18 | 32 | 33 | 0 | 0.02 |
| 19 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 20 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 21 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 22 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 23 | 45 | 18 | 32 | 33 | 0 | 0.02 |
| 24 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 25 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 26 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 27 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 28 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 29 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 30 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 31 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| MTH | 45.9 | 18.8 | 32.4 | 1011 | 0 | 0.81 |
| | | | | WINTER SEASON: | | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 44 | 18 | 31 | 34 | 0 | 0.02 |
| 2 | 44 | 17 | 31 | 34 | 0 | 0.02 |
| 3 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 4 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 5 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 6 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 7 | 44 | 16 | 30 | 35 | 0 | 0.03 |
| 8 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 9 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 10 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 11 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 12 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 13 | 44 | 17 | 30 | 35 | 0 | 0.03 |
| 14 | 44 | 17 | 31 | 34 | 0 | 0.03 |
| 15 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 16 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 17 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 18 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 19 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 20 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 21 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 22 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 23 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 24 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 25 | 44 | 18 | 31 | 34 | 0 | 0.03 |
| 26 | 44 | 19 | 32 | 33 | 0 | 0.03 |
| 27 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 28 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 29 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 30 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| 31 | 45 | 19 | 32 | 33 | 0 | 0.03 |
| MTH | 44.2 | 17.7 | 31.0 | 1055 | 0 | 0.91 |
| | 46.1 | 19.2 | 32.7 | 2914 | 0 | 2.84 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 45 | 19 | 32 | 33 | 0 | 0.04 |
| 2 | 45 | 20 | 32 | 33 | 0 | 0.04 |
| 3 | 45 | 20 | 32 | 33 | 0 | 0.04 |
| 4 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 5 | 46 | 20 | 33 | 32 | 0 | 0.04 |
| 6 | 47 | 20 | 33 | 32 | 0 | 0.04 |
| 7 | 47 | 20 | 33 | 32 | 0 | 0.04 |
| 8 | 47 | 20 | 33 | 32 | 0 | 0.04 |
| 9 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 10 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 11 | 47 | 20 | 34 | 31 | 0 | 0.04 |
| 12 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 13 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 14 | 48 | 20 | 34 | 31 | 0 | 0.04 |
| 15 | 48 | 21 | 35 | 30 | 0 | 0.04 |
| 16 | 48 | 21 | 35 | 30 | 0 | 0.04 |
| 17 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 18 | 49 | 21 | 35 | 30 | 0 | 0.04 |
| 19 | 49 | 22 | 36 | 29 | 0 | 0.04 |
| 20 | 49 | 22 | 36 | 29 | 0 | 0.04 |
| 21 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 22 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 23 | 50 | 22 | 36 | 29 | 0 | 0.04 |
| 24 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 25 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 26 | 51 | 23 | 37 | 28 | 0 | 0.04 |
| 27 | 51 | 24 | 38 | 27 | 0 | 0.04 |
| 28 | 52 | 24 | 38 | 27 | 0 | 0.04 |
| MTH | 48.3 | 21.1 | 34.7 | 848 | 0 | 1.12 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 53 | 24 | 38 | 27 | 0 | 0.04 |
| 2 | 53 | 24 | 38 | 27 | 0 | 0.04 |
| 3 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 4 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 5 | 53 | 25 | 39 | 26 | 0 | 0.04 |
| 6 | 54 | 25 | 39 | 26 | 0 | 0.04 |
| 7 | 54 | 25 | 39 | 26 | 0 | 0.04 |
| 8 | 54 | 25 | 40 | 25 | 0 | 0.04 |
| 9 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 10 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 11 | 54 | 26 | 40 | 25 | 0 | 0.04 |
| 12 | 55 | 26 | 41 | 24 | 0 | 0.04 |
| 13 | 55 | 26 | 41 | 24 | 0 | 0.04 |
| 14 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 15 | 56 | 26 | 41 | 24 | 0 | 0.04 |
| 16 | 56 | 27 | 42 | 23 | 0 | 0.04 |
| 17 | 57 | 27 | 42 | 23 | 0 | 0.04 |
| 18 | 57 | 27 | 42 | 23 | 0 | 0.04 |
| 19 | 57 | 27 | 42 | 23 | 0 | 0.04 |
| 20 | 57 | 27 | 42 | 23 | 0 | 0.03 |
| 21 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 22 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 23 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 24 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 25 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 26 | 58 | 28 | 43 | 22 | 0 | 0.03 |
| 27 | 59 | 28 | 44 | 21 | 0 | 0.03 |
| 28 | 59 | 28 | 44 | 21 | 0 | 0.03 |
| 29 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 30 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| 31 | 60 | 28 | 44 | 21 | 0 | 0.03 |
| MTH | 56.2 | 26.6 | 41.4 | 732 | 0 | 1.12 |
| | | | | SPRING SEASON: | | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 60 | 29 | 44 | 21 | 0 | 0.03 |
| 2 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 3 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 4 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 5 | 61 | 29 | 45 | 20 | 0 | 0.03 |
| 6 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 7 | 62 | 29 | 45 | 20 | 0 | 0.03 |
| 8 | 62 | 29 | 46 | 19 | 0 | 0.03 |
| 9 | 62 | 29 | 46 | 19 | 0 | 0.03 |
| 10 | 62 | 29 | 46 | 19 | 0 | 0.02 |
| 11 | 63 | 29 | 46 | 19 | 0 | 0.02 |
| 12 | 63 | 30 | 46 | 19 | 0 | 0.02 |
| 13 | 63 | 30 | 47 | 18 | 0 | 0.02 |
| 14 | 63 | 30 | 47 | 18 | 0 | 0.02 |
| 15 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 16 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 17 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 18 | 64 | 30 | 47 | 18 | 0 | 0.02 |
| 19 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 20 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 21 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 22 | 65 | 31 | 48 | 17 | 0 | 0.02 |
| 23 | 66 | 31 | 49 | 16 | 0 | 0.02 |
| 24 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 25 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 26 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 27 | 66 | 32 | 49 | 16 | 0 | 0.02 |
| 28 | 67 | 33 | 50 | 15 | 0 | 0.02 |
| 29 | 67 | 33 | 50 | 15 | 0 | 0.02 |
| 30 | 67 | 33 | 50 | 15 | 0 | 0.02 |
| MTH | 63.8 | 30.4 | 47.1 | 537 | 0 | 0.69 |
| | 64.0 | 31.2 | 47.7 | 1605 | 9 | 2.48 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 67 | 34 | 50 | 15 | 0 | 0.02 |
| 2 | 69 | 34 | 51 | 14 | 0 | 0.02 |
| 3 | 69 | 34 | 51 | 14 | 0 | 0.02 |
| 4 | 69 | 34 | 51 | 14 | 0 | 0.02 |
| 5 | 69 | 34 | 51 | 14 | 0 | 0.02 |
| 6 | 69 | 34 | 52 | 13 | 0 | 0.02 |
| 7 | 69 | 35 | 52 | 13 | 0 | 0.02 |
| 8 | 70 | 35 | 52 | 13 | 0 | 0.03 |
| 9 | 70 | 35 | 52 | 13 | 0 | 0.03 |
| 10 | 70 | 35 | 53 | 12 | 0 | 0.03 |
| 11 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 12 | 70 | 36 | 53 | 12 | 0 | 0.03 |
| 13 | 71 | 36 | 54 | 11 | 0 | 0.02 |
| 14 | 71 | 36 | 54 | 11 | 0 | 0.02 |
| 15 | 72 | 36 | 54 | 11 | 0 | 0.02 |
| 16 | 72 | 36 | 54 | 11 | 0 | 0.02 |
| 17 | 72 | 37 | 55 | 10 | 0 | 0.02 |
| 18 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 19 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 20 | 73 | 37 | 55 | 10 | 0 | 0.02 |
| 21 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 22 | 74 | 38 | 56 | 9 | 0 | 0.02 |
| 23 | 74 | 39 | 57 | 9 | 1 | 0.02 |
| 24 | 74 | 39 | 57 | 9 | 1 | 0.02 |
| 25 | 75 | 39 | 57 | 9 | 1 | 0.02 |
| 26 | 75 | 39 | 57 | 9 | 1 | 0.02 |
| 27 | 75 | 40 | 58 | 8 | 1 | 0.02 |
| 28 | 76 | 40 | 58 | 8 | 1 | 0.02 |
| 29 | 76 | 40 | 58 | 8 | 1 | 0.02 |
| 30 | 76 | 40 | 58 | 8 | 1 | 0.02 |
| 31 | 77 | 40 | 59 | 7 | 1 | 0.02 |
| MTH | 72.1 | 36.8 | 54.5 | 336 | 9 | 0.67 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TROPIC UTAH Station Number: 428847

Latitude: 37 B 37 * 33 ( Longitude: -112 B 04 * 52 ( Elevation (feet): 6280

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 78 | 41 | 59 | 7 | 1 | 0.02 |
| 2 | 78 | 41 | 59 | 7 | 1 | 0.02 |
| 3 | 78 | 41 | 59 | 7 | 1 | 0.02 |
| 4 | 78 | 41 | 59 | 6 | 0 | 0.02 |
| 5 | 79 | 41 | 60 | 6 | 1 | 0.02 |
| 6 | 79 | 41 | 60 | 6 | 1 | 0.01 |
| 7 | 80 | 42 | 61 | 5 | 1 | 0.01 |
| 8 | 80 | 42 | 61 | 5 | 1 | 0.01 |
| 9 | 80 | 43 | 62 | 5 | 2 | 0.01 |
| 10 | 80 | 43 | 62 | 5 | 2 | 0.01 |
| 11 | 81 | 43 | 62 | 5 | 2 | 0.01 |
| 12 | 81 | 43 | 62 | 5 | 2 | 0.01 |
| 13 | 81 | 43 | 62 | 5 | 2 | 0.01 |
| 14 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 15 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 16 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 17 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 18 | 82 | 44 | 63 | 4 | 2 | 0.01 |
| 19 | 83 | 45 | 64 | 4 | 3 | 0.01 |
| 20 | 83 | 46 | 65 | 3 | 3 | 0.02 |
| 21 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 22 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 23 | 84 | 46 | 65 | 3 | 3 | 0.02 |
| 24 | 85 | 46 | 66 | 2 | 3 | 0.02 |
| 25 | 85 | 47 | 66 | 2 | 3 | 0.02 |
| 26 | 85 | 48 | 67 | 2 | 4 | 0.02 |
| 27 | 85 | 48 | 67 | 2 | 4 | 0.02 |
| 28 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 29 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| 30 | 86 | 48 | 67 | 2 | 4 | 0.02 |
| MTH | 82.0 | 44.2 | 63.1 | 124 | 68 | 0.46 |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 2 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 3 | 87 | 50 | 68 | 1 | 4 | 0.02 |
| 4 | 87 | 50 | 69 | 1 | 5 | 0.02 |
| 5 | 87 | 50 | 69 | 1 | 5 | 0.02 |
| 6 | 87 | 50 | 69 | 1 | 5 | 0.03 |
| 7 | 88 | 50 | 69 | 1 | 5 | 0.03 |
| 8 | 88 | 50 | 69 | 1 | 5 | 0.03 |
| 9 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 10 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 11 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 12 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 13 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 14 | 88 | 51 | 69 | 1 | 5 | 0.03 |
| 15 | 89 | 51 | 70 | 1 | 6 | 0.03 |
| 16 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 17 | 89 | 52 | 71 | 0 | 6 | 0.03 |
| 18 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 19 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 20 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 21 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 22 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 23 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 24 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 25 | 89 | 52 | 71 | 0 | 6 | 0.04 |
| 26 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 27 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 28 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 29 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 30 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 31 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| MTH | 88.2 | 51.3 | 69.8 | 15 | 163 | 1.03 |
| SUMMER SEASON: | 85.1 | 48.6 | 66.9 | 168 | 344 | 3.02 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 2 | 88 | 52 | 70 | 0 | 5 | 0.04 |
| 3 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 4 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 5 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 6 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 7 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 8 | 88 | 52 | 70 | 0 | 5 | 0.05 |
| 9 | 87 | 52 | 69 | 0 | 4 | 0.05 |
| 10 | 87 | 52 | 69 | 0 | 4 | 0.05 |
| 11 | 86 | 52 | 69 | 0 | 4 | 0.05 |
| 12 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 13 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 14 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 15 | 86 | 50 | 68 | 1 | 4 | 0.05 |
| 16 | 85 | 50 | 68 | 1 | 4 | 0.05 |
| 17 | 85 | 50 | 68 | 1 | 4 | 0.05 |
| 18 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 19 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 20 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 21 | 84 | 50 | 67 | 1 | 3 | 0.05 |
| 22 | 84 | 49 | 67 | 1 | 3 | 0.05 |
| 23 | 83 | 49 | 66 | 2 | 3 | 0.05 |
| 24 | 83 | 49 | 66 | 2 | 3 | 0.05 |
| 25 | 83 | 49 | 66 | 2 | 3 | 0.05 |
| 26 | 83 | 48 | 66 | 2 | 3 | 0.05 |
| 27 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 28 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 29 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 30 | 82 | 48 | 65 | 2 | 2 | 0.05 |
| 31 | 82 | 47 | 65 | 2 | 2 | 0.05 |
| MTH | 85.2 | 50.2 | 67.7 | 29 | 113 | 1.53 |

**SEPTEMBER**

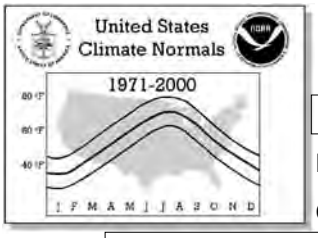
| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 82 | 47 | 64 | 3 | 2 | 0.05 |
| 2 | 82 | 47 | 64 | 3 | 2 | 0.05 |
| 3 | 82 | 46 | 64 | 3 | 2 | 0.05 |
| 4 | 81 | 46 | 64 | 3 | 2 | 0.05 |
| 5 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 6 | 80 | 46 | 63 | 3 | 1 | 0.05 |
| 7 | 80 | 45 | 63 | 3 | 1 | 0.04 |
| 8 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 9 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 10 | 79 | 45 | 62 | 4 | 1 | 0.04 |
| 11 | 79 | 44 | 62 | 4 | 1 | 0.04 |
| 12 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 13 | 78 | 44 | 61 | 5 | 1 | 0.04 |
| 14 | 78 | 43 | 61 | 5 | 1 | 0.04 |
| 15 | 78 | 43 | 61 | 5 | 1 | 0.04 |
| 16 | 78 | 43 | 61 | 5 | 1 | 0.04 |
| 17 | 77 | 43 | 60 | 5 | 0 | 0.04 |
| 18 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 19 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 20 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 21 | 76 | 42 | 59 | 6 | 0 | 0.04 |
| 22 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 23 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 24 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 25 | 75 | 41 | 58 | 7 | 0 | 0.04 |
| 26 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 27 | 74 | 40 | 57 | 8 | 0 | 0.04 |
| 28 | 73 | 40 | 57 | 8 | 0 | 0.04 |
| 29 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| 30 | 73 | 39 | 56 | 9 | 0 | 0.04 |
| MTH | 77.4 | 43.1 | 60.3 | 161 | 20 | 1.26 |
| AUTUMN SEASON: | 65.4 | 34.0 | 49.8 | 1405 | 22 | 3.58 |
| *ANNUAL:* | 65.2 | 33.2 | 49.3 | 6092 | 375 | 11.92 |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 72 | 39 | 55 | 10 | 0 | 0.04 |
| 2 | 72 | 39 | 55 | 10 | 0 | 0.04 |
| 3 | 72 | 39 | 55 | 10 | 0 | 0.04 |
| 4 | 71 | 39 | 55 | 10 | 0 | 0.04 |
| 5 | 71 | 39 | 55 | 10 | 0 | 0.04 |
| 6 | 71 | 38 | 54 | 11 | 0 | 0.04 |
| 7 | 70 | 37 | 54 | 11 | 0 | 0.05 |
| 8 | 70 | 36 | 53 | 12 | * | 0.05 |
| 9 | 70 | 36 | 53 | 12 | * | 0.05 |
| 10 | 69 | 36 | 53 | 12 | * | 0.05 |
| 11 | 69 | 36 | 53 | 13 | * | 0.05 |
| 12 | 69 | 36 | 53 | 13 | * | 0.05 |
| 13 | 68 | 36 | 52 | 13 | * | 0.05 |
| 14 | 67 | 35 | 51 | 14 | * | 0.05 |
| 15 | 67 | 35 | 51 | 14 | * | 0.05 |
| 16 | 67 | 35 | 51 | 14 | 0 | 0.05 |
| 17 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 18 | 66 | 34 | 50 | 15 | 0 | 0.05 |
| 19 | 65 | 33 | 49 | 16 | 0 | 0.05 |
| 20 | 65 | 33 | 49 | 16 | 0 | 0.04 |
| 21 | 64 | 33 | 49 | 16 | 0 | 0.04 |
| 22 | 64 | 32 | 48 | 17 | 0 | 0.04 |
| 23 | 63 | 32 | 48 | 17 | 0 | 0.04 |
| 24 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 25 | 62 | 32 | 47 | 18 | 0 | 0.04 |
| 26 | 62 | 31 | 47 | 18 | 0 | 0.04 |
| 27 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 28 | 61 | 31 | 46 | 19 | 0 | 0.04 |
| 29 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 30 | 60 | 30 | 45 | 20 | 0 | 0.04 |
| 31 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| MTH | 66.3 | 34.5 | 50.4 | 454 | 2 | 1.37 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 2 | 59 | 29 | 44 | 21 | 0 | 0.04 |
| 3 | 58 | 29 | 43 | 22 | 0 | 0.04 |
| 4 | 57 | 29 | 43 | 22 | 0 | 0.04 |
| 5 | 57 | 28 | 42 | 23 | 0 | 0.04 |
| 6 | 56 | 28 | 42 | 23 | 0 | 0.03 |
| 7 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 8 | 55 | 27 | 41 | 24 | 0 | 0.03 |
| 9 | 55 | 26 | 41 | 24 | 0 | 0.03 |
| 10 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 11 | 54 | 26 | 40 | 25 | 0 | 0.03 |
| 12 | 53 | 26 | 40 | 25 | 0 | 0.03 |
| 13 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 14 | 53 | 25 | 39 | 26 | 0 | 0.03 |
| 15 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 16 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 17 | 52 | 24 | 38 | 27 | 0 | 0.03 |
| 18 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 19 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 20 | 51 | 23 | 37 | 28 | 0 | 0.03 |
| 21 | 50 | 23 | 37 | 28 | 0 | 0.03 |
| 22 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 23 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 24 | 50 | 22 | 36 | 29 | 0 | 0.03 |
| 25 | 49 | 22 | 36 | 29 | 0 | 0.03 |
| 26 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 27 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 28 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 29 | 49 | 21 | 35 | 30 | 0 | 0.03 |
| 30 | 48 | 21 | 35 | 30 | 0 | 0.03 |
| MTH | 52.7 | 24.6 | 38.7 | 790 | 0 | 0.95 |




# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: TROPIC UTAH Station Number: 428847

Latitude: 37° 37* 33( Longitude: -112° 04* 52( Elevation (feet): 6280

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 5.24 |
| 0.010 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 5.71 |
| 0.050 | 0.02 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.27 | 0.08 | 0.00 | 0.01 | 0.00 | 7.14 |
| 0.100 | 0.08 | 0.10 | 0.07 | 0.04 | 0.00 | 0.00 | 0.15 | 0.40 | 0.21 | 0.17 | 0.06 | 0.00 | 8.00 |
| 0.200 | 0.20 | 0.25 | 0.23 | 0.12 | 0.23 | 0.07 | 0.30 | 0.63 | 0.40 | 0.42 | 0.17 | 0.07 | 9.14 |
| 0.300 | 0.32 | 0.41 | 0.40 | 0.21 | 0.35 | 0.16 | 0.45 | 0.84 | 0.59 | 0.64 | 0.30 | 0.19 | 10.02 |
| 0.400 | 0.47 | 0.59 | 0.59 | 0.32 | 0.46 | 0.24 | 0.61 | 1.05 | 0.78 | 0.87 | 0.45 | 0.34 | 10.82 |
| 0.500 | 0.64 | 0.79 | 0.80 | 0.45 | 0.57 | 0.34 | 0.79 | 1.28 | 1.00 | 1.11 | 0.63 | 0.51 | 11.60 |
| 0.600 | 0.84 | 1.04 | 1.06 | 0.61 | 0.70 | 0.44 | 1.00 | 1.55 | 1.25 | 1.39 | 0.86 | 0.71 | 12.42 |
| 0.700 | 1.10 | 1.36 | 1.37 | 0.82 | 0.85 | 0.58 | 1.26 | 1.87 | 1.55 | 1.71 | 1.15 | 0.98 | 13.34 |
| 0.800 | 1.47 | 1.80 | 1.82 | 1.12 | 1.04 | 0.76 | 1.62 | 2.29 | 1.96 | 2.16 | 1.56 | 1.37 | 14.47 |
| 0.900 | 2.09 | 2.55 | 2.56 | 1.65 | 1.35 | 1.06 | 2.21 | 2.98 | 2.64 | 2.89 | 2.26 | 2.01 | 16.14 |
| 0.950 | 2.70 | 3.29 | 3.30 | 2.17 | 1.65 | 1.35 | 2.78 | 3.64 | 3.30 | 3.59 | 2.98 | 2.66 | 17.62 |
| 0.990 | 4.12 | 4.99 | 5.00 | 3.41 | 2.30 | 2.02 | 4.08 | 5.09 | 4.77 | 5.17 | 4.63 | 4.18 | 20.60 |
| 0.995 | 4.73 | 5.73 | 5.72 | 3.94 | 2.57 | 2.30 | 4.63 | 5.70 | 5.39 | 5.83 | 5.35 | 4.84 | 21.77 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: WIDTSOE 3 NNE UTAH Station Number: 429514

Latitude: 37 B 52 * 29 ( Longitude: -111 B 58* 26 ( Elevation (feet): 7540

Climate Division: UT 04 South Central



**DECEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.01 |
| 7 | | | | | | 0.01 |
| 8 | | | | | | 0.01 |
| 9 | | | | | | 0.01 |
| 10 | | | | | | 0.01 |
| 11 | | | | | | 0.01 |
| 12 | | | | | | 0.01 |
| 13 | | | | | | 0.01 |
| 14 | | | | | | 0.01 |
| 15 | | | | | | 0.01 |
| 16 | | | | | | 0.01 |
| 17 | | | | | | 0.01 |
| 18 | | | | | | 0.01 |
| 19 | | | | | | 0.01 |
| 20 | | | | | | 0.01 |
| 21 | | | | | | 0.01 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.46 |
| | | | | | WINTER SEASON: | |

**JANUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.01 |
| 2 | | | | | | 0.01 |
| 3 | | | | | | 0.01 |
| 4 | | | | | | 0.01 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.58 |
| | | | | | | 1.64 |

**FEBRUARY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.03 |
| 26 | | | | | | 0.03 |
| 27 | | | | | | 0.03 |
| 28 | | | | | | 0.03 |
| MTH | | | | | | 0.60 |

**MARCH**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.83 |
| | | | | | SPRING SEASON: | |

**APRIL**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.03 |
| MTH | | | | | | 0.61 |
| | | | | | | 2.28 |

**MAY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.03 |
| 12 | | | | | | 0.03 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.03 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| 31 | | | | | | 0.02 |
| MTH | | | | | | 0.84 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: WIDTSOE 3 NNE UTAH Station Number: 429514

Latitude: 37° 52* 29( Longitude: -111° 58* 26( Elevation (feet): 7540

Climate Division: UT 04 South Central



**JUNE**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.02 |
| 3 | | | | | | 0.02 |
| 4 | | | | | | 0.02 |
| 5 | | | | | | 0.02 |
| 6 | | | | | | 0.02 |
| 7 | | | | | | 0.02 |
| 8 | | | | | | 0.02 |
| 9 | | | | | | 0.01 |
| 10 | | | | | | 0.01 |
| 11 | | | | | | 0.01 |
| 12 | | | | | | 0.01 |
| 13 | | | | | | 0.01 |
| 14 | | | | | | 0.01 |
| 15 | | | | | | 0.01 |
| 16 | | | | | | 0.01 |
| 17 | | | | | | 0.01 |
| 18 | | | | | | 0.01 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.02 |
| 30 | | | | | | 0.02 |
| MTH | | | | | | 0.50 |
| | | | | | SUMMER SEASON: | |

**JULY**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.02 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.03 |
| 10 | | | | | | 0.03 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.05 |
| MTH | | | | | | 1.21 |
| | | | | | | 3.25 |

**AUGUST**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.05 |
| 2 | | | | | | 0.05 |
| 3 | | | | | | 0.05 |
| 4 | | | | | | 0.05 |
| 5 | | | | | | 0.05 |
| 6 | | | | | | 0.05 |
| 7 | | | | | | 0.05 |
| 8 | | | | | | 0.05 |
| 9 | | | | | | 0.05 |
| 10 | | | | | | 0.05 |
| 11 | | | | | | 0.05 |
| 12 | | | | | | 0.05 |
| 13 | | | | | | 0.05 |
| 14 | | | | | | 0.05 |
| 15 | | | | | | 0.05 |
| 16 | | | | | | 0.05 |
| 17 | | | | | | 0.05 |
| 18 | | | | | | 0.05 |
| 19 | | | | | | 0.05 |
| 20 | | | | | | 0.05 |
| 21 | | | | | | 0.05 |
| 22 | | | | | | 0.05 |
| 23 | | | | | | 0.05 |
| 24 | | | | | | 0.05 |
| 25 | | | | | | 0.05 |
| 26 | | | | | | 0.05 |
| 27 | | | | | | 0.05 |
| 28 | | | | | | 0.05 |
| 29 | | | | | | 0.05 |
| 30 | | | | | | 0.05 |
| 31 | | | | | | 0.04 |
| MTH | | | | | | 1.54 |

**SEPTEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.03 |
| 14 | | | | | | 0.03 |
| 15 | | | | | | 0.03 |
| 16 | | | | | | 0.03 |
| 17 | | | | | | 0.03 |
| 18 | | | | | | 0.03 |
| 19 | | | | | | 0.03 |
| 20 | | | | | | 0.03 |
| 21 | | | | | | 0.03 |
| 22 | | | | | | 0.03 |
| 23 | | | | | | 0.03 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.04 |
| MTH | | | | | | 1.09 |
| | | | | | AUTUMN SEASON: | |
| | | | | | *ANNUAL:* | |

**OCTOBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.04 |
| 2 | | | | | | 0.04 |
| 3 | | | | | | 0.04 |
| 4 | | | | | | 0.04 |
| 5 | | | | | | 0.04 |
| 6 | | | | | | 0.04 |
| 7 | | | | | | 0.04 |
| 8 | | | | | | 0.04 |
| 9 | | | | | | 0.04 |
| 10 | | | | | | 0.04 |
| 11 | | | | | | 0.04 |
| 12 | | | | | | 0.04 |
| 13 | | | | | | 0.04 |
| 14 | | | | | | 0.04 |
| 15 | | | | | | 0.04 |
| 16 | | | | | | 0.04 |
| 17 | | | | | | 0.04 |
| 18 | | | | | | 0.04 |
| 19 | | | | | | 0.04 |
| 20 | | | | | | 0.04 |
| 21 | | | | | | 0.04 |
| 22 | | | | | | 0.04 |
| 23 | | | | | | 0.04 |
| 24 | | | | | | 0.04 |
| 25 | | | | | | 0.04 |
| 26 | | | | | | 0.04 |
| 27 | | | | | | 0.04 |
| 28 | | | | | | 0.04 |
| 29 | | | | | | 0.04 |
| 30 | | | | | | 0.03 |
| 31 | | | | | | 0.03 |
| MTH | | | | | | 1.22 |
| | | | | | | 2.97 |
| | | | | | | 10.14 |

**NOVEMBER**

| Date | MAX | MIN | AVG | HDD | CDD | PRCP |
|---|---|---|---|---|---|---|
| 1 | | | | | | 0.03 |
| 2 | | | | | | 0.03 |
| 3 | | | | | | 0.03 |
| 4 | | | | | | 0.03 |
| 5 | | | | | | 0.03 |
| 6 | | | | | | 0.03 |
| 7 | | | | | | 0.03 |
| 8 | | | | | | 0.03 |
| 9 | | | | | | 0.02 |
| 10 | | | | | | 0.02 |
| 11 | | | | | | 0.02 |
| 12 | | | | | | 0.02 |
| 13 | | | | | | 0.02 |
| 14 | | | | | | 0.02 |
| 15 | | | | | | 0.02 |
| 16 | | | | | | 0.02 |
| 17 | | | | | | 0.02 |
| 18 | | | | | | 0.02 |
| 19 | | | | | | 0.02 |
| 20 | | | | | | 0.02 |
| 21 | | | | | | 0.02 |
| 22 | | | | | | 0.02 |
| 23 | | | | | | 0.02 |
| 24 | | | | | | 0.02 |
| 25 | | | | | | 0.02 |
| 26 | | | | | | 0.02 |
| 27 | | | | | | 0.02 |
| 28 | | | | | | 0.02 |
| 29 | | | | | | 0.01 |
| 30 | | | | | | 0.01 |
| MTH | | | | | | 0.66 |

# CLIMATOGRAPHY OF THE UNITED STATES NO. 84, 1971-2000

Daily Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

Station Name: WIDTSOE 3 NNE UTAH Station Number: 429514

Latitude: 37° 52' 29" Longitude: -111° 58' 26" Elevation (feet): 7540

Climate Division: UT 04 South Central



**PRECIPITATION PROBABILITIES**

| Probability | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.005 | 0.02 | 0.02 | 0.01 | 0.00 | 0.02 | 0.00 | 0.03 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 4.11 |
| 0.010 | 0.03 | 0.03 | 0.02 | 0.01 | 0.03 | 0.00 | 0.04 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 |
| 0.050 | 0.08 | 0.08 | 0.08 | 0.03 | 0.09 | 0.00 | 0.13 | 0.33 | 0.04 | 0.02 | 0.01 | 0.04 | 5.80 |
| 0.100 | 0.13 | 0.13 | 0.14 | 0.07 | 0.15 | 0.05 | 0.23 | 0.47 | 0.13 | 0.09 | 0.06 | 0.10 | 6.57 |
| 0.200 | 0.22 | 0.21 | 0.25 | 0.14 | 0.27 | 0.13 | 0.39 | 0.70 | 0.28 | 0.23 | 0.14 | 0.17 | 7.59 |
| 0.300 | 0.30 | 0.30 | 0.36 | 0.23 | 0.39 | 0.21 | 0.56 | 0.90 | 0.44 | 0.40 | 0.23 | 0.24 | 8.40 |
| 0.400 | 0.38 | 0.39 | 0.49 | 0.32 | 0.51 | 0.29 | 0.74 | 1.11 | 0.61 | 0.60 | 0.34 | 0.31 | 9.13 |
| 0.500 | 0.47 | 0.48 | 0.63 | 0.43 | 0.65 | 0.38 | 0.95 | 1.33 | 0.81 | 0.83 | 0.46 | 0.39 | 9.85 |
| 0.600 | 0.58 | 0.60 | 0.80 | 0.56 | 0.82 | 0.49 | 1.19 | 1.57 | 1.04 | 1.11 | 0.61 | 0.47 | 10.61 |
| 0.700 | 0.71 | 0.73 | 1.01 | 0.73 | 1.02 | 0.62 | 1.48 | 1.87 | 1.33 | 1.48 | 0.80 | 0.57 | 11.46 |
| 0.800 | 0.88 | 0.92 | 1.30 | 0.97 | 1.31 | 0.80 | 1.88 | 2.26 | 1.74 | 1.99 | 1.06 | 0.71 | 12.51 |
| 0.900 | 1.17 | 1.23 | 1.78 | 1.38 | 1.77 | 1.09 | 2.55 | 2.88 | 2.41 | 2.88 | 1.52 | 0.93 | 14.07 |
| 0.950 | 1.45 | 1.52 | 2.25 | 1.79 | 2.23 | 1.38 | 3.20 | 3.47 | 3.07 | 3.76 | 1.97 | 1.14 | 15.46 |
| 0.990 | 2.06 | 2.18 | 3.33 | 2.73 | 3.26 | 2.03 | 4.67 | 4.76 | 4.58 | 5.82 | 3.00 | 1.61 | 18.28 |
| 0.995 | 2.32 | 2.46 | 3.78 | 3.14 | 3.69 | 2.31 | 5.29 | 5.30 | 5.23 | 6.71 | 3.45 | 1.81 | 19.39 |

**PRECIPITATION QUINTILES**

| Level | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 < | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0.13 | 0.31 | 0.23 | 0.05 | 0.00 | 0.00 | 0.73 | 0.97 | 0.15 | 0.30 | 0.03 | 0.13 |
| 2 | 0.14 | 0.32 | 0.24 | 0.06 | 0.01 | 0.00 | 0.74 | 0.98 | 0.16 | 0.31 | 0.04 | 0.14 |
| | 0.42 | 1.06 | 0.61 | 0.28 | 0.28 | 0.06 | 1.58 | 1.84 | 0.89 | 0.58 | 0.39 | 0.29 |
| 3 | 0.43 | 1.07 | 0.62 | 0.29 | 0.29 | 0.07 | 1.59 | 1.85 | 0.90 | 0.59 | 0.40 | 0.30 |
| | 1.19 | 1.43 | 1.19 | 0.47 | 0.59 | 0.15 | 2.07 | 2.43 | 1.68 | 1.01 | 0.64 | 0.72 |
| 4 | 1.20 | 1.44 | 1.20 | 0.48 | 0.60 | 0.16 | 2.08 | 2.44 | 1.69 | 1.02 | 0.65 | 0.73 |
| | 1.71 | 2.19 | 2.05 | 0.88 | 0.86 | 0.80 | 3.11 | 3.35 | 2.53 | 1.38 | 1.85 | 1.79 |
| 5 | 1.72 | 2.20 | 2.06 | 0.89 | 0.87 | 0.81 | 3.12 | 3.36 | 2.54 | 1.39 | 1.86 | 1.80 |
| | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |
| 6 > | 4.82 | 4.27 | 4.22 | 2.29 | 2.25 | 2.62 | 6.49 | 7.90 | 8.60 | 7.10 | 3.81 | 3.19 |

**Abbreviations:**

**MAX** = Maximum Temperature (degrees Fahrenheit)
**MIN** = Minimum Temperature (degrees Fahrenheit)
**AVG** = Average Temperature (degrees Fahrenheit)

**NOTES**

**HDD** = Heating Degree Days (base 65)
**CDD** = Cooling Degree Days (base 65)
**PRCP** = Precipitation Amount (inches)

**MTH** = Monthly Means / Totals
**SEASON** = Seasonal Means / Totals
**ANNUAL** = Annual Means / Totals

This publication presents daily temperature, precipitation, and heating and cooling degree day normals for stations based on the 1971-2000 record *adjusted* to the present station location. Stations contained in the monthly normals (Climatography of the United States No. 81) are included. Precipitation-only stations have no data in the temperature and degree day fields on Pages 1 and 2. Latitude and longitude values are presented in DD MM SS, where DD=Degrees, MM=Minutes, and SS=Seconds. Small differences between monthly values in this publication and the monthly normals presented in Climatography of the United States No.81 are attributable to smoothing techniques applied to this data set, as described below.

Daily Normals Tables:

The daily values presented in these tables are not simple means of the observed daily values. They are interpolated from the much less variable monthly normals by use of the natural spline function. The procedure involved constructing a cumulative series of monthly sums from the monthly normals. The cumulative series was for a 24-month period (July, August, …, December, January, …, December, January, …, June), so that the interpolating function could adequately fit the end points in the annual series. This process was applied independently to all six elements. No normal values for February 29 are included; in common practice, the normal values for the 28th are used for the 29th in each leap year. Thus, for leap years, the February monthly total degree days or precipitation are calculated by adding the daily value for the 28th to the monthly total. February temperature averages are likewise not adjusted for leap years. For most stations, the monthly heating and cooling degree day normals (base 65 degrees Fahrenheit) are derived from monthly normal temperature using an estimation technique developed by H.C.S. Thom. An asterisk (*) for a daily degree day value indicates a daily normal of less than one degree day, but not equal to zero. Seasonal means / totals correspond to the three months listed immediately above.

Precipitation Probabilities and Quintiles Tables:

The precipitation probabilities are the monthly precipitation totals that correspond to the indicated probability levels. The probability levels are based on the 1971-2000 historical sequential monthly precipitation. The historical precipitation data are the adjusted values from the monthly normals (Climatography of the United States No. 81).

When historical climate data are accumulated and examined, they generally follow a certain pattern called a statistical distribution. While temperature usually follows a Gaussian or bell-shaped distribution, precipitation does not because it is zero-bounded. Precipitation generally follows a Gamma distribution, where most values are near zero with rapidly diminishing higher values. Thus, the Gamma distribution was used to estimate the precipitation values in the probability and quintile tables published above. The probability table shows the amount of precipitation expected at fifteen probability levels (0.005, 0.01, 0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 0.95, 0.99, and 0.995) for each month of the year and for the annual total. For example, if 1.77 inches corresponds to the 0.20 probability level, that means that on average, 2 out of 10 years will have 1.77 inches *or less* of precipitation in that month. It also means that, on average, 8 out of 10 years will have *more than* 1.77 inches of precipitation in that month.

The precipitation quintiles show the expected precipitation values at the five quintile levels for each of the twelve months: 1. First Quintile (0-20%); 2. Second Quintile (20-40%); 3. Third Quintile (40-60%); 4. Fourth Quintile (60-80%); 5. Fifth Quintile (80-100%). For example, if 2.91 and 4.07 inches are the bounds for the second quintile (level 2), then a monthly total precipitation amount for that month falling in the range 2.91 to 4.07 would be classified as a second quintile precipitation amount and that month would be considered relatively dry. The first line (level 0 <) in the table shows the minimum precipitation value derived from the historical record. Quintile level 0 would be used if a future precipitation observation is less than the 1971-2000 value. Level 6 > would be used if the observed value is more than the 1971-2000 maximum.

*Release Date*: December 1, 2001 **National Climatic Data Center/NESDIS/NOAA, Asheville, North Carolina**