

UNIVERSITY OF COLORADO STUDIES

SERIES IN BIOLOGY

No. 28

DATA ON MOUNTAIN ENVIRONMENTS
II. FRONT RANGE, COLORADO,
FOUR CLIMAX REGIONS,
1953-1958

BY

JOHN W. MARR, ALBERT W. JOHNSON, WILLIAM S. OSBURN,
AND OWEN A. KNORR

UNIVERSITY OF COLORADO PRESS
BOULDER, COLORADO, JANUARY, 1968

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II. FRONT RANGE, COLORADO,

FOUR CLIMAX REGIONS,

1953-1958

BY

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UNIVERSITY OF COLORADO PRESS

BOULDER, COLORADO, JANUARY, 1968

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I. INTRODUCTION

The University of Colorado Institute of Arctic and Alpine Research has carried on a program of environment measurement on the east slope of the Front Range since 1951 under the direction of the senior author. Sixteen stations were operated for two years and four have been operated continuously up to the present. The original installation consisted of a ridge-top, a north-facing slope, a south-facing slope, and a valley floor station in each of the four major ecological regions of the Front Range (Table 1). After October 1, 1953, only the four ridge-top stations were operated.

A 1961 publication on this program by the senior author gives descriptions of the regional ecology of the Front Range, some details on the vegetation of selected stands, descriptions of the project design and methods, and annual summaries and comparative tables of environment factors for the period of October 1, 1952, through September 30, 1953. Since the data on some factors were not satisfactory for all months in the 1951-1952 observation year, they have not been published; the reliable data have been summarized, however, and they are available in the Institute files. Another publication (Marr, 1967) contains monthly tables of environment data for all of the original sixteen stations for the 1952-1953 period.

Data collected at the four ridge-top stations from 1952 to 1960 have been used in several reports (Marr, 1956; Marr, Knorr, and Viereck, 1956; and Marr, 1962) and theses (Paddock, 1961; Willard, 1963). Osburn's 1963 paper includes a diagram of the eight years of data collected at the alpine tundra station, D-1.

The objective of the present publication is to give monthly and annual summaries of data for the four ridge-top stations for the six-year period, 1953-1958.

Publications on the data from six additional years of measurement at these same stations, and papers summarizing and comparing the characteristics of the four regions based on the twelve-year period of study are being prepared.

We are happy to acknowledge financial and materiel support from the U.S. Army Office of the Quartermaster General, the U.S. Atomic Energy Commission and the University of Colorado. Partial support of publication costs came from the Natick Laboratories of the U.S. Army.

The following students made the program possible by their care, determination, and hardiness as field and laboratory assistants: John Clark, Ralph Greene, Robert Krear, and Markley W. Paddock.

TABLE I. Ecological Regions of the East Slope of the Front Range.

| | Lower Montane Forest | Upper Montane Forest | Subalpine Forest | Alpine Tundra |
|--|--|---|---|--|
| Climatic Climax Stand-Type | <i>Pinus ponderosa.</i> | <i>Pinus ponderosa/ Pseudotsuga.</i> | <i>Picea engelmanni/ Abies lasiocarpa.</i> | <i>Kobresia meadow.</i> |
| Other Common Climax Stand-Types | <i>Pinus ponderosa/ Pseudotsuga.</i> | <i>Pinus ponderosa.</i> | Wet meadow. | <i>Deschampia meadow.</i> |
| | Dry grassland. | <i>Pinus flexilis.</i> Dry grassland. | <i>Salix/Betula glandulosa.</i> <i>Pinus flexilis.</i> | <i>Carex scopulorum meadow.</i> Cushion plant. <i>Trifolium parryi.</i> |
| Common Successional Stand-Types | <i>Pinus ponderosa.</i> | <i>Pinus ponderosa.</i> | <i>Populus tremuloides.</i> | <i>Agropyron scribneri.</i> |
| | <i>Pinus ponderosa/ Pseudotsuga.</i> | <i>Populus tremuloides.</i> | <i>Pinus contorta.</i> | Cushion plant. |
| | <i>Pseudotsuga.</i> | <i>Pinus Contorta.</i> | <i>Picea engelmanni/ Abies lasiocarpa.</i> | |
| Approximate Altitudinal Extent (excluding ecotones) in feet | 6,000 to 7,700 | 8,000 to 9,000 | 9,300 to 11,000 | 11,400 to mountain tops |

TABLE II. Features of the Front Range Environment Program

| Factor | Instrument or Procedure | Time Feature of Record |
|---|--|---|
| Temperature | Bourdon-tube thermograph* | Continuous |
| Temperature, soil— 6- and 12-inch depths | Weather Bureau type maximum and minimum thermometers | Biweekly or weekly maximum and minimum |
| Wind | Three-cup totalizing anemometer** | One twenty-minute velocity reading and total miles of wind biweekly or weekly |
| Precipitation | Eight-inch diameter precipitation gauge*** | Biweekly or weekly total |
| Snow depth | Graduated pole | Biweekly or weekly depth |
| Snow water content | Utah tube snow sampler | Monthly total increment |
| Soil moisture— 6- and 12-inch depths | Gravimetric | Monthly |
| Atmospheric moisture | Hair hygograph* | Continuous |

* In cotton-belt U.S. Weather Bureau type louvered shelter with floor approximately four feet above ground level.

** Approximately three feet above general crown level of trees in forest regions, and eight feet above the ground in tundra.

*** Orifice about three feet above ground level.

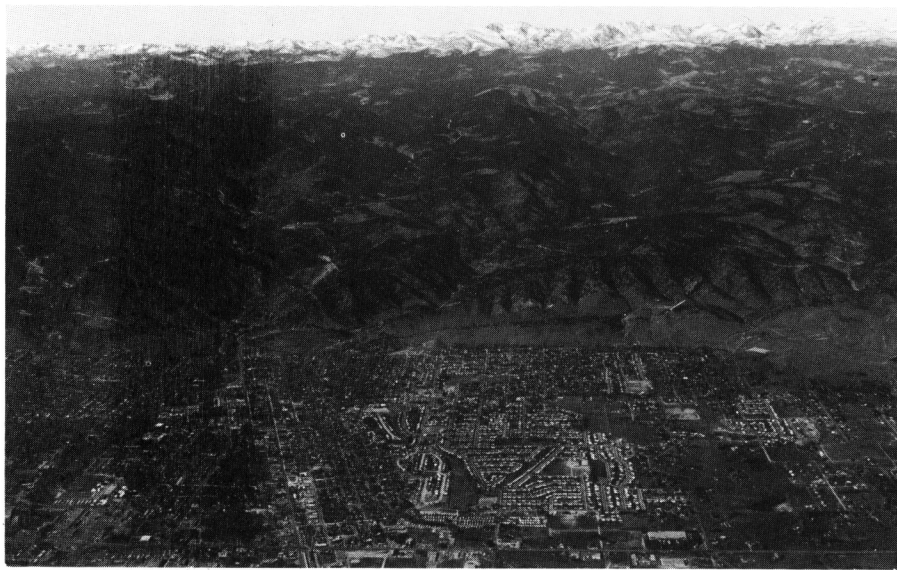


FIGURE 1. Boulder, Colorado, and the east slope of the Front Range. A portion of the University of Colorado campus is at the lower left. Snow-covered peaks and ridges are part of the Continental Divide.



FIGURE 2. The Lower Montane (A-1) station at 7,200 feet elevation. The anemometer is mounted in the top of the tree with branch stubs in the left background.



FIGURE 3. Aerial view of the Upper Montane (B-1) station at 8,500 feet elevation. The anemometer was mounted at the top of the dead tree with boulders at its base to the right of the white instrument shelter. The pattern of squares in the lower left portion of the photograph is a transplant garden. *National Center for Atmospheric Research photograph.*



FIGURE 4. The Subalpine (C-1) station at 10,000 feet elevation. The anemometer is barely visible as two black dots (cups) above the trees at the right. The stumps are from lumbering operations carried out over 60 years ago.



FIGURE 5. The Alpine (D-1) station looking northwest in late winter. A "weasel" oversnow vehicle is parked beside the Institute's Tundra Laboratory.



FIGURE 6. The Alpine (D-1) station at 12,300 feet elevation, looking northeast toward the Great Plains in midwinter. A "weasel" oversnow vehicle is parked beside the Institute's Tundra Laboratory.



FIGURE 7. Dr. William S. Osburn, Jr. servicing the tundra south-facing slope station (D-3). Instruments include maximum and minimum thermometer, hygromograph and two thermographs.

KEY TO THE SUMMARY TABLES

1. The following abbreviations have been used

N-D: No data were available for that day or period when instrument failure occurred or no observations were made.

T: Trace of snow or precipitation.

Var.: Used in snow depth observations when snow cover was incomplete or highly variable.

2. Arrows have been used to designate the period for which data apply. The value at the head of the arrow is representative for the period.
3. Means in columns where data are incomplete are based on actual number of days of data presented.

II. MONTHLY SUMMARY TABLES

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month January Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|------------------|---------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 33 | 18 | 26 | | | | | | | | | | | | | | 99 | 43 | 71 | |
| 2 | 32 | 14 | 23 | | | | | | | | | | | | | | 80 | 33 | 56 | |
| 3 | 43 | 27 | 35 | | | | | | | | | | | | | | 56 | 29 | 42 | |
| 4 | 36 | 27 | 32 | | | | | | | | | | | | | | 52 | 38 | 45 | |
| 5 | 43 | 19 | 31 | | | | | | | | | | | | | | 55 | 26 | 40 | |
| 6 | 36 | 12 | 24 | 31 | 28 | 30 | 32 | 29 | 30 | 1544 | 11 | 0.3 | T | | | 98 | 38 | 68 | | |
| 7 | 45 | 24 | 34 | | | | | | | | | | | | | | 84 | 16 | 50 | |
| 8 | 41 | 29 | 35 | | | | | | | | | | | | | | 96 | 33 | 60 | |
| 9 | 60 | 39 | 50 | | | | | | | | | | 0.00 | T | | 50 | 21 | 35 | | |
| 10 | 55 | 39 | 47 | 31 | 28 | 30 | 32 | 30 | 32 | 809 | 11 | | | | | 47 | 32 | 40 | | |
| 11 | 58 | 42 | 50 | | | | | | | | | | | | | | 44 | 22 | 33 | |
| 12 | 59 | 40 | 50 | | | | | | | | | | | | | | 44 | 22 | 33 | |
| 13 | 51 | 36 | 44 | | | | | | | | | | | | | | 55 | 38 | 46 | |
| 14 | 38 | -01 | 18 | | | | | | | | | | | | | | 99 | 26 | 62 | |
| 15 | 26 | -03 | 12 | | | | | | | | | | | | | | 99 | 26 | 62 | |
| 16 | 44 | 16 | 30 | 32 | 29 | 30 | 34 | 31 | 32 | 1192 | 7 | 0.20 | 2 | | | 58 | 42 | 50 | | |
| 17 | 38 | 28 | 33 | | | | | | | | | | | | | | 59 | 40 | 50 | |
| 18 | 48 | 34 | 41 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 19 | 42 | 27 | 34 | | | | | | | | | | | | | | 57 | 30 | 44 | |
| 20 | 50 | 26 | 38 | | | | | | | 1169 | 11 | | | | | | 73 | 34 | 54 | |
| 21 | 47 | 23 | 35 | | | | | | | | | | | | | | 90 | 25 | 58 | |
| 22 | 40 | 18 | 29 | | | | | | | | | | | | | | 58 | 48 | 53 | |
| 23 | 41 | 31 | 36 | 32 | 29 | 30 | 34 | 32 | 33 | 658 | 9 | 0.05 | T | | | 58 | 20 | 39 | | |
| 24 | 52 | 35 | 44 | | | | | | | | | | | | | | 36 | 16 | 26 | |
| 25 | 55 | 40 | 48 | | | | | | | | | | | | | | 42 | 24 | 33 | |
| 26 | 53 | 39 | 46 | | | | | | | | | | | | | | 83 | 25 | 54 | |
| 27 | 39 | 23 | 31 | | | | | | | | | | | 0 | | | 43 | 26 | 34 | |
| 28 | 43 | 25 | 34 | | | | | | | | | | | | | | 55 | 40 | 48 | |
| 29 | 45 | 33 | 39 | | | | | | | | | | | | | | 90 | 42 | 66 | |
| 30 | 45 | 25 | 35 | | | | | | | 2291 | 14 | | | | | 9 | 7 | 90 | 42 | 66 |
| 31 | 52 | 26 | 39 | 32 | 25 | 28 | 34 | 31 | 32 | 245 | 8 | 0.00 | 0 | | | 59 | 32 | 46 | | |
| Month | 60 | -03 | 36 | 32 | 25 | 30 | 34 | 29 | 32 | 7908 | 11 | .55 | | | | 100 | 16 | 48 | | |
| Month Mean | 45 | 26 | | 32 | 28 | | 33 | 31 | | | | | | | | | 66 | 31 | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month February Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|------------------|---------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 58 | 36 | 47 | | | | | | | | | | | | | | 54 | 26 | 40 |
| 2 | 46 | 34 | 40 | | | | | | | | | | | | | | 59 | 37 | 48 |
| 3 | 56 | 38 | 47 | | | | | | | | | | | | | | 54 | 37 | 46 |
| 4 | 55 | 28 | 42 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 5 | 40 | 22 | 31 | | | | | | | | | | | | | | 91 | 29 | 60 |
| 6 | 30 | 20 | 25 | 32 | 28 | 30 | 33 | 30 | 32 | 1255 | 8 | 0.05 | T | | | 99 | 50 | 74 | |
| 7 | 44 | 20 | 32 | | | | | | | | | | | | | | 94 | 36 | 65 |
| 8 | 43 | 23 | 33 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 9 | 23 | 04 | 14 | | | | | | | | | | | | | | 98 | 75 | 86 |
| 10 | 39 | 02 | 20 | | | | | | | | | | 8 | | | 94 | 46 | 70 | |
| 11 | 40 | 14 | 27 | | | | | | | | | | | | | 73 | 27 | 50 | |
| 12 | 31 | 15 | 23 | | | | | | | | | | | | | | 99 | 67 | 83 |
| 13 | 46 | 17 | 32 | 32 | 30 | 31 | 33 | 32 | 32 | 791 | 5 | 0.55 | 5 | | | 71 | 15 | 43 | |
| 14 | 34 | 14 | 24 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 15 | 35 | 14 | 24 | | | | | | | | | | | | | | 87 | 34 | 60 |
| 16 | 35 | 12 | 24 | | | | | | | | | | | | | | 48 | 25 | 36 |
| 17 | 39 | 24 | 32 | | | | | | | | | | | | | | 45 | 26 | 36 |
| 18 | 47 | 17 | 32 | | | | | | | | | | | | | | 98 | 17 | 58 |
| 19 | 17 | 05 | 11 | | | | | | | | | | | | | | 97 | 81 | 89 |
| 20 | 20 | 00 | 10 | 32 | 30 | 31 | 34 | 30 | 32 | 1845 | 11 | 0.45 | 10 | | | 87 | 40 | 64 | |
| 21 | 28 | -01 | 14 | | | | | | | | | | | | | | 69 | 26 | 48 |
| 22 | 47 | 11 | 29 | | | | | | | | | | | | | | 61 | 20 | 41 |
| 23 | 38 | 14 | 26 | | | | | | | | | | | | | | 82 | 40 | 61 |
| 24 | 30 | 09 | 20 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 25 | 39 | 09 | 24 | | | | | | | | | | | | | | 97 | 26 | 62 |
| 26 | 45 | 29 | 37 | | | | | | | | | | | | | | 47 | 32 | 40 |
| 27 | 54 | 33 | 44 | | | | | | | | | | 7 | 5 | 4 | 89 | 22 | 56 | |
| 28 | 55 | 27 | 41 | 33 | 29 | 31 | 33 | 30 | 31 | 1314 | 7 | 0.05 | 4 | | | 100 | 24 | 62 | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 58 | -01 | 29 | 33 | 28 | 31 | 34 | 30 | 32 | 5205 | 8 | 1.20 | | | | 100 | 15 | 59 | |
| Month Mean | 40 | 18 | | 32 | 29 | | 33 | 30 | | | | | | | | | 82 | 36 | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|----------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 51 | 28 | 40 | | | | | | | | | | | | | | | 100 | 12 | 56 |
| 2 | 45 | 25 | 35 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 3 | 36 | 25 | 30 | | | | | | | | | | | | | | | 100 | 65 | 82 |
| 4 | 41 | 26 | 34 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 5 | 52 | 25 | 38 | | | | | | | | | | | | | | | 85 | 36 | 60 |
| 6 | 70 | 36 | 53 | 53 | 36 | 44 | 48 | 40 | 44 | 595 | 4 | 0.65 | 0 | | | | 55 | 18 | 36 | |
| 7 | 69 | 41 | 55 | | | | | | | | | | | | | | 56 | 24 | 40 | |
| 8 | 67 | 44 | 56 | | | | | | | | | | | | | | 44 | 25 | 34 | |
| 9 | 60 | 35 | 48 | | | | | | | | | | | | | | 85 | 14 | 50 | |
| 10 | 52 | 29 | 40 | | | | | | | | | | | | | | 100 | 24 | 62 | |
| 11 | 55 | 26 | 40 | | | | | | | | | | | | | | 99 | 11 | 55 | |
| 12 | 29 | 19 | 24 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 13 | 39 | 20 | 30 | 56 | 38 | 47 | 49 | 42 | 45 | 840 | 5 | 0.20 | 1 | | | | 100 | 75 | 88 | |
| 14 | 58 | 30 | 44 | | | | | | | | | | | | | | 91 | 27 | 59 | |
| 15 | 58 | 32 | 45 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 16 | 39 | 32 | 36 | | | | | | | | | | | | | | 100 | 86 | 93 | |
| 17 | 55 | 32 | 44 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 18 | 51 | 34 | 42 | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 19 | 64 | 38 | 51 | | | | | | | | | | | | | | 71 | 26 | 48 | |
| 20 | 57 | 45 | 51 | 54 | 36 | 45 | 47 | 40 | 44 | 834 | 5 | 2.10 | 0 | | | | 75 | 43 | 59 | |
| 21 | 77 | 39 | 58 | | | | | | | | | | | | | | 86 | 14 | 50 | |
| 22 | 78 | 39 | 58 | | | | | | | | | | | | | | 88 | 41 | 64 | |
| 23 | 51 | 38 | 44 | | | | | | | | | | | | | | 99 | 58 | 78 | |
| 24 | 76 | 41 | 58 | | | | | | | | | | | | | | 100 | 08 | 54 | |
| 25 | 73 | 40 | 56 | | | | | | | | | | | | | | 76 | 33 | 54 | |
| 26 | 66 | 47 | 56 | | | | | | | | | | | | | | 95 | 52 | 74 | |
| 27 | 69 | 45 | 57 | 65 | 45 | 55 | 55 | 44 | 50 | 1044 | 6 | 0.05 | 0 | | | | 100 | 56 | 78 | |
| 28 | 75 | 45 | 60 | | | | | | | | | | | | | | 92 | 25 | 58 | |
| 29 | 67 | 45 | 56 | | | | | | | | | | | | | 10 | 8 | 73 | 07 | 40 |
| 30 | 78 | 47 | 62 | | | | | | | | | | | | | | 47 | 12 | 30 | |
| 31 | 74 | 46 | 60 | 68 | 49 | 58 | 56 | 50 | 53 | 801 | 8 | 0.15 | 0 | | | | 72 | 30 | 51 | |
| Month Mean | 78 | 19 | 47 | 68 | 36 | 50 | 56 | 40 | 47 | 4114 | 6 | 3.15 | | | | | 100 | 07 | 62 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|----------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 67 | 49 | 58 | | | | | | | | | | | | | | | 97 | 59 | 78 |
| 2 | 77 | 50 | 64 | | | | | | | | | | | | | | | 71 | 11 | 41 |
| 3 | 78 | 47 | 62 | 66 | 50 | 60 | 58 | 54 | 56 | 423 | 6 | 0.05 | 0 | | | | 37 | 13 | 25 | |
| 4 | 71 | 46 | 58 | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 5 | 54 | 43 | 48 | | | | | | | | | | | | | | | 100 | 81 | 90 |
| 6 | 60 | 43 | 52 | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 7 | 66 | 45 | 56 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 8 | 77 | 48 | 62 | | | | | | | | | | | | | | | 57 | 28 | 42 |
| 9 | 85 | 53 | 69 | | | | | | | | | | | | | | | 69 | 22 | 46 |
| 10 | 93 | 59 | 76 | 73 | 50 | 62 | 60 | 53 | 56 | 1004 | 6 | 0.50 | 0 | | | | 66 | 10 | 38 | |
| 11 | 88 | 59 | 74 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 12 | 82 | 61 | 72 | | | | | | | | | | | | | | | 100 | 39 | 70 |
| 13 | 89 | 62 | 76 | | | | | | | | | | | | | | | 58 | 22 | 40 |
| 14 | 78 | 58 | 68 | | | | | | | | | | | | | | | 100 | 39 | 70 |
| 15 | 82 | 52 | 67 | | | | | | | | | | | | | | | 81 | 22 | 52 |
| 16 | 80 | 48 | 64 | | | | | | | | | | | | | | | 98 | 44 | 71 |
| 17 | 93 | 61 | 77 | 74 | 55 | 64 | 62 | 58 | 60 | 1019 | 6 | 0.80 | 0 | 6 | 3 | | 61 | 13 | 37 | |
| 18 | 90 | 58 | 74 | | | | | | | | | | | | | | | 90 | 24 | 57 |
| 19 | 60 | 47 | 54 | | | | | | | | | | | | | | | 100 | 53 | 76 |
| 20 | 80 | 50 | 65 | | | | | | | | | | | | | | | 70 | 12 | 41 |
| 21 | 80 | 52 | 66 | | | | | | | | | | | | | | | 75 | 35 | 55 |
| 22 | 86 | 51 | 68 | | | | | | | | | | | | | | | 75 | 24 | 50 |
| 23 | 86 | 56 | 71 | | | | | | | | | | | | | | | 51 | 21 | 36 |
| 24 | 88 | 50 | 69 | 76 | 57 | 64 | 63 | 57 | 60 | 1186 | 7 | 0.30 | 0 | | | | 94 | 09 | 52 | |
| 25 | 73 | 46 | 60 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 26 | 86 | 50 | 68 | | | | | | | | | | | | | | | 66 | 08 | 37 |
| 27 | 75 | 54 | 64 | | | | | | | | | | | | | | | 80 | 13 | 46 |
| 28 | 79 | 50 | 64 | | | | | | | | | | | | | | | 92 | 33 | 62 |
| 29 | 95 | 57 | 76 | | | | | | | | | | | | | | | 35 | 15 | 25 |
| 30 | 95 | 65 | 80 | 76 | 50 | 63 | 64 | 60 | 62 | 859 | 5 | 0.02 | 0 | 5 | 7 | | 54 | 18 | 36 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 95 | 43 | 66 | 76 | 50 | 62 | 64 | 53 | 59 | 4491 | 6 | 1.67 | | | | | 100 | 08 | 54 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month July Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH

SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|-------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 93 | 63 | 78 | | | | | | | | | | | | | | | 54 | 17 | 36 |
| 2 | 81 | 54 | 68 | | | | | | | | | | | | | | | 89 | 51 | 70 |
| 3 | 94 | 52 | 73 | | | | | | | | | | | | | | | 95 | 09 | 52 |
| 4 | 91 | 64 | 78 | | | | | | | | | | | | | | | 40 | 16 | 28 |
| 5 | 84 | 64 | 74 | | | | | | | | | | | | | | | 65 | 30 | 48 |
| 6 | 82 | 55 | 68 | | | | | | | | | | | | | | | 88 | 22 | 55 |
| 7 | 83 | 55 | 69 | 77 | 60 | 68 | 66 | 63 | 64 | 1337 | 8 | 0.02 | 0 | | | | 79 | 30 | 54 | |
| 8 | 88 | 53 | 70 | | | | | | | | | | | | | | | 95 | 33 | 64 |
| 9 | 85 | 54 | 70 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 10 | 83 | 54 | 68 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 11 | 68 | 53 | 60 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 12 | 85 | 54 | 70 | | | | | | | | | | | | | | | 95 | 12 | 54 |
| 13 | 86 | 57 | 72 | | | | | | | | | | | | | | | 40 | 19 | 30 |
| 14 | 91 | 61 | 76 | 78 | 56 | 67 | 67 | 62 | 64 | 830 | 5 | 0.62 | 0 | | 7 | 8 | 42 | 24 | 33 | |
| 15 | 91 | 65 | 78 | | | | | | | | | | | | | | | 46 | 23 | 34 |
| 16 | 65 | 52 | 58 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 17 | 62 | 52 | 57 | | | | | | | | | | | | | | | 100 | 78 | 89 |
| 18 | 77 | 52 | 64 | | | | | | | | | | | | | | | 92 | 40 | 66 |
| 19 | 78 | 55 | 66 | | | | | | | | | | | | | | | 92 | 39 | 66 |
| 20 | 88 | 55 | 72 | | | | | | | | | | | | | | | 66 | 14 | 40 |
| 21 | 77 | 56 | 66 | 78 | 56 | 66 | 67 | 60 | 64 | 832 | 5 | 2.69 | 0 | | | | 75 | 34 | 54 | |
| 22 | 86 | 57 | 72 | | | | | | | | | | | | | | | 80 | 23 | 52 |
| 23 | 91 | 64 | 78 | | | | | | | | | | | | | | | 43 | 13 | 28 |
| 24 | 96 | 63 | 80 | | | | | | | | | | | | | | | 43 | 17 | 30 |
| 25 | 93 | 65 | 79 | | | | | | | | | | | | | | | 47 | 23 | 35 |
| 26 | 85 | 64 | 74 | | | | | | | | | | | | | | | 93 | 38 | 66 |
| 27 | 89 | 61 | 75 | | | | | | | | | | | | | | | 88 | 34 | 61 |
| 28 | 90 | 60 | 75 | 80 | 60 | 70 | 68 | 62 | 65 | 1233 | 8 | 0.11 | 0 | | | | 94 | 29 | 62 | |
| 29 | 72 | 56 | 64 | | | | | | | | | | | | | | | 100 | 58 | 79 |
| 30 | 76 | 53 | 64 | | | | | | | | | | | | | | | 100 | 52 | 76 |
| 31 | 80 | 57 | 68 | 72 | 60 | 66 | 66 | 63 | 64 | 305 | 4 | 0.13 | 0 | | 11 | 13 | 90 | 36 | 63 | |
| Month | 96 | 52 | 70 | 80 | 56 | 68 | 68 | 60 | 64 | 4537 | 6 | 3.55 | | | | | 100 | 09 | 55 | |
| Month Mean | 84 | 57 | | 77 | 58 | | 67 | 62 | | | | | | | | | 78 | 31 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month August Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH

SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|-------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 76 | 58 | 67 | | | | | | | | | | | | | | | 88 | 40 | 64 |
| 2 | 64 | 51 | 58 | | | | | | | | | | | | | | | 100 | 64 | 82 |
| 3 | 82 | 51 | 66 | | | | | | | | | | | | | | | 74 | 18 | 46 |
| 4 | 79 | 52 | 66 | 72 | 56 | 64 | 65 | 62 | 63 | 433 | 5 | 0.99 | 0 | | | | 68 | 22 | 45 | |
| 5 | 82 | 56 | 69 | | | | | | | | | | | | | | | 74 | 29 | 52 |
| 6 | 82 | 50 | 66 | | | | | | | | | | | | | | | 67 | 36 | 52 |
| 7 | 75 | 52 | 64 | | | | | | | | | | | | | | | 89 | 51 | 70 |
| 8 | 89 | 56 | 72 | | | | | | | | | | | | | | | 81 | 19 | 50 |
| 9 | 89 | 61 | 75 | | | | | | | | | | | | | | | 56 | 21 | 38 |
| 10 | 78 | 50 | 64 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 11 | 62 | 48 | 55 | 77 | 58 | 68 | 66 | 62 | 64 | 1047 | 6 | 0.41 | 0 | | | | 100 | 55 | 78 | |
| 12 | 79 | 47 | 63 | | | | | | | | | | | | | | | 78 | 22 | 50 |
| 13 | 88 | 55 | 72 | | | | | | | | | | | | | | | 37 | 06 | 22 |
| 14 | 79 | 56 | 68 | | | | | | | | | | | | | | | 87 | 21 | 54 |
| 15 | 75 | 51 | 63 | | | | | | | | | | | | | | | 98 | 35 | 66 |
| 16 | 71 | 47 | 59 | | | | | | | | | | | | | | | 98 | 44 | 71 |
| 17 | 70 | 50 | 60 | | | | | | | | | | | | | | | 94 | 34 | 64 |
| 18 | 75 | 49 | 62 | 79 | 56 | 67 | 67 | 62 | 65 | 908 | 5 | 0.24 | 0 | | 6 | 6 | 95 | 37 | 66 | |
| 19 | 72 | 46 | 59 | | | | | | | | | | | | | | | 97 | 42 | 70 |
| 20 | 76 | 47 | 62 | | | | | | | | | | | | | | | 78 | 33 | 56 |
| 21 | 80 | 51 | 66 | | | | | | | | | | | | | | | 73 | 30 | 52 |
| 22 | 76 | 50 | 63 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 23 | 74 | 50 | 62 | | | | | | | | | | | | | | | 92 | 32 | 62 |
| 24 | 86 | 56 | 71 | | | | | | | | | | | | | | | 49 | 13 | 31 |
| 25 | 91 | 61 | 76 | 77 | 54 | 65 | 65 | 61 | 63 | 968 | 6 | 0.38 | 0 | | | | 36 | 13 | 24 | |
| 26 | 88 | 62 | 75 | | | | | | | | | | | | | | | 58 | 20 | 39 |
| 27 | 79 | 55 | 67 | | | | | | | | | | | | | | | 98 | 43 | 71 |
| 28 | 80 | 56 | 68 | | | | | | | | | | | | | | | 65 | 23 | 44 |
| 29 | 81 | 54 | 68 | | | | | | | | | | | | | | | 55 | 23 | 39 |
| 30 | 83 | 53 | 68 | | | | | | | | | | | | | | | 65 | 29 | 47 |
| 31 | 85 | 57 | 71 | 79 | 58 | 68 | 66 | 62 | 64 | 889 | 6 | 0.74 | 0 | | 10 | 10 | 58 | 25 | 42 | |
| Month | 91 | 46 | 66 | 79 | 54 | 66 | 67 | 61 | 64 | 4245 | 6 | 2.76 | | | | | 100 | 06 | 54 | |
| Month Mean | 79 | 53 | | 77 | 56 | | 66 | 62 | | | | | | | | | 78 | 31 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 85 | 59 | 72 | | | | | | | | | | | | | | 59 | 29 | 44 |
| 2 | 82 | 44 | 63 | | | | | | | | | | | | | | 90 | 15 | 52 |
| 3 | 49 | 39 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 94 | 72 | 83 |
| 4 | 62 | 37 | 50 | 76 | 54 | 64 | 66 | 60 | 63 | 510 | 6 | 0.00 | 0 | | | | 100 | 40 | 70 |
| 5 | 74 | 45 | 60 | | | | | | | | | | | | | | 53 | 18 | 36 |
| 6 | 78 | 52 | 65 | | | | | | | | | | | | | | 39 | 19 | 29 |
| 7 | 84 | 52 | 68 | | | | | | | | | | | | | | 39 | 12 | 26 |
| 8 | 77 | 54 | 66 | | | | | | | | | | | | | | 49 | 27 | 38 |
| 9 | 78 | 53 | 66 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 64 | 29 | 46 |
| 10 | 79 | 52 | 66 | 72 | 53 | 62 | 63 | 60 | 61 | 956 | 7 | 0.05 | 0 | | | | 65 | 28 | 46 |
| 11 | 76 | 50 | 63 | | | | | | | | | | | | | | 53 | 30 | 42 |
| 12 | 84 | 52 | 68 | | | | | | | | | | | | | | 52 | 18 | 35 |
| 13 | 86 | 57 | 72 | | | | | | | | | | | | | | 42 | 15 | 29 |
| 14 | 82 | 52 | 67 | | | | | | | | | | | | | | 50 | 30 | 40 |
| 15 | 72 | 49 | 60 | | | | | | | | | | | | | | 88 | 38 | 63 |
| 16 | 80 | 56 | 68 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 53 | 22 | 38 |
| 17 | 82 | 47 | 64 | 71 | 56 | 64 | 64 | 60 | 62 | 1113 | 6 | 0.02 | 0 | | | | 79 | 16 | 48 |
| 18 | 75 | 44 | 60 | | | | | | | | | | | | | | 87 | 14 | 50 |
| 19 | 80 | 49 | 64 | | | | | | | | | | | | | | 41 | 16 | 28 |
| 20 | 62 | 38 | 50 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 21 | 67 | 33 | 50 | | | | | | | | | | | | | | 92 | 35 | 64 |
| 22 | 85 | 56 | 70 | | | | | | | | | | | | | | 42 | 18 | 30 |
| 23 | 80 | 51 | 66 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 32 | 10 | 21 |
| 24 | 76 | 43 | 60 | 69 | 52 | 60 | 62 | 58 | 60 | 1165 | 7 | 0.01 | 0 | | | | 65 | 14 | 40 |
| 25 | 81 | 40 | 60 | | | | | | | | | | | | | | 73 | 13 | 43 |
| 26 | 72 | 56 | 64 | | | | | | | | | | | | | | 35 | 20 | 28 |
| 27 | 88 | 55 | 72 | | | | | | | | | | | | | | 29 | 12 | 20 |
| 28 | 77 | 49 | 63 | | | | | | | | | | | | | | 62 | 21 | 42 |
| 29 | 76 | 48 | 62 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 62 | 34 | 48 |
| 30 | 82 | 47 | 64 | 68 | 51 | 60 | 61 | 58 | 60 | 1336 | 10 | 0.00 | 0 | 3 | 4 | | 57 | 23 | 40 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 88 | 33 | 63 | 76 | 51 | 62 | 66 | 58 | 61 | 5080 | 7 | 0.08 | | | | | 100 | 10 | 43 |
| Month Mean | 77 | 49 | | 71 | 53 | | 63 | 59 | | | | | | | | | 62 | 24 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 81 | 54 | 68 | | | | | | | | | | | | | | 32 | 22 | 27 |
| 2 | 78 | 42 | 60 | | | | | | | | | | | | | | 55 | 24 | 40 |
| 3 | 42 | 31 | 36 | | | | | | | | | | | | | | 100 | 55 | 78 |
| 4 | 61 | 29 | 45 | | | | | | | | | | | | | | 85 | 27 | 56 |
| 5 | 65 | 35 | 50 | | | | | | | | | | | | | | 55 | 22 | 38 |
| 6 | 72 | 36 | 54 | | | | | | | | | | | | | | 52 | 18 | 35 |
| 7 | 78 | 49 | 64 | 61 | 44 | 52 | 60 | 53 | 56 | 692 | 5 | 0.04 | 0 | | | | 26 | 09 | 18 |
| 8 | 74 | 49 | 62 | | | | | | | | | | | | | | 29 | 17 | 23 |
| 9 | 80 | 51 | 66 | | | | | | | | | | | | | | 30 | 13 | 22 |
| 10 | 82 | 51 | 66 | | | | | | | | | | | | | | 28 | 12 | 20 |
| 11 | 78 | 50 | 64 | | | | | | | | | | | | | | 27 | 13 | 20 |
| 12 | 63 | 48 | 56 | | | | | | | | | | | | | | 59 | 23 | 41 |
| 13 | 66 | 45 | 56 | | | | | | | | | | | | | | 77 | 43 | 60 |
| 14 | 62 | 41 | 52 | 62 | 50 | 56 | 56 | 55 | 56 | 1037 | 6 | 0.00 | 0 | | | | 79 | 51 | 65 |
| 15 | 65 | 39 | 52 | | | | | | | | | | | | | | 84 | 47 | 66 |
| 16 | 67 | 41 | 54 | | | | | | | | | | | | | | 81 | 30 | 56 |
| 17 | 69 | 40 | 54 | | | | | | | | | | | | | | 55 | 27 | 41 |
| 18 | 70 | 45 | 58 | | | | | | | | | | | | | | 47 | 24 | 36 |
| 19 | 72 | 43 | 58 | | | | | | | 721 | 6 | 0.00 | 0 | | | | 44 | 25 | 34 |
| 20 | 60 | 41 | 50 | | | | | | | | | | | | | | 79 | 43 | 61 |
| 21 | 52 | 32 | 42 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 22 | 33 | 27 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 92 | 96 |
| 23 | 31 | 25 | 28 | 57 | 46 | 51 | 55 | 47 | 51 | 311 | 3 | 0.70 | 2 | | | | 100 | 95 | 98 |
| 24 | 40 | 27 | 34 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 25 | 44 | 26 | 35 | | | | | | | | | | | | | | 99 | 45 | 72 |
| 26 | 54 | 25 | 40 | | | | | | | | | | | | | | 92 | 30 | 61 |
| 27 | 52 | 31 | 42 | | | | | | | | | | | | | | 82 | 45 | 64 |
| 28 | 62 | 34 | 48 | | | | | | | | | | | | | | 62 | 28 | 45 |
| 29 | 69 | 43 | 56 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 42 | 16 | 29 |
| 30 | 58 | 36 | 47 | 47 | 38 | 42 | 48 | 44 | 46 | 830 | 5 | 0.00 | 0 | | | | 87 | 37 | 62 |
| 31 | 61 | 37 | 49 | | | | | | | 221 | 5 | 0.00 | 0 | | | | 80 | 31 | 56 |
| Month | 82 | 25 | 51 | 62 | 38 | 50 | 60 | 44 | 52 | 3812 | 5 | 0.74 | | | | | 100 | 09 | 50 |
| Month Mean | 63 | 39 | | 57 | 44 | | 55 | 50 | | | | | | | | | 67 | 34 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month November Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-------------------|------|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | |
| 1 | 69 | 43 | 56 | | | | | | | | | | | | | 54 | 27 | 40 |
| 2 | 67 | 33 | 50 | | | | | | | | | | | | | 85 | 22 | 54 |
| 3 | 44 | 27 | 36 | | | | | | | | | | | | | 100 | 68 | 84 |
| 4 | 34 | 25 | 30 | | | | | | | | | | | | | 100 | 97 | 94 |
| 5 | 28 | 24 | 26 | | | | | | | | | | | | | 100 | 100 | 100 |
| 6 | 39 | 24 | 32 | 49 | 36 | 43 | 47 | 42 | 45 | 333 | 3 | 0.45 | 2 | | | 99 | 60 | 80 |
| 7 | 45 | 23 | 34 | | | | | | | | | | | | | 72 | 32 | 52 |
| 8 | 51 | 22 | 36 | | | | | | | | | | | | | 71 | 22 | 46 |
| 9 | 65 | 42 | 54 | | | | | | | | | | | | | 22 | 10 | 16 |
| 10 | 62 | 43 | 52 | | | | | | | | | | | | | 23 | 11 | 17 |
| 11 | 63 | 39 | 51 | | | | | | | | | | | | | 47 | 13 | 30 |
| 12 | 65 | 37 | 51 | | | | | | | | | | | | | 50 | 16 | 33 |
| 13 | 66 | 44 | 55 | 40 | 34 | 37 | 42 | 39 | 41 | 1064 | 6 | 0.05 | 0 | | | 45 | 26 | 36 |
| 14 | 67 | 45 | 56 | | | | | | | | | | | | | 40 | 26 | 33 |
| 15 | 66 | 45 | 56 | | | | | | | | | | | | | 45 | 24 | 34 |
| 16 | 63 | 40 | 52 | | | | | | | | | | | | | 55 | 32 | 44 |
| 17 | 62 | 36 | 49 | | | | | | | | | | | | | 50 | 26 | 38 |
| 18 | 40 | 15 | 28 | | | | | | | | | 0.00 | | | | 100 | 50 | 75 |
| 19 | 20 | 11 | 16 | | | | | | | | | | | | | 99 | 78 | 88 |
| 20 | 36 | 10 | 23 | 36 | 35 | 36 | 41 | 38 | 40 | 928 | 6 | 0.75 | 7 | | | 91 | 55 | 73 |
| 21 | 30 | 08 | 19 | | | | | | | | | | | | | 91 | 49 | 70 |
| 22 | 41 | 19 | 30 | | | | | | | | | | | | | 61 | 36 | 48 |
| 23 | 44 | 30 | 37 | | | | | | | | | | | | | 78 | 40 | 59 |
| 24 | 39 | 21 | 30 | | | | | | | | | | | | | 97 | 40 | 68 |
| 25 | 45 | 19 | 32 | | | | | | | | | | | | | 98 | 28 | 63 |
| 26 | 45 | 27 | 36 | | | | | | | | | | | | | 97 | 28 | 62 |
| 27 | 44 | 27 | 36 | | | | | | | 2012 | 12 | 0.50 | 2 | | | 93 | 33 | 63 |
| 28 | 47 | 36 | 42 | | | | | | | | | | | | | 51 | 28 | 40 |
| 29 | 49 | 37 | 43 | | | | | | | | | | | | | 44 | 31 | 38 |
| 30 | 61 | 36 | 48 | 36 | 34 | 35 | 39 | 37 | 38 | 661 | 9 | 0.20 | 1 | | | 42 | 09 | 26 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 69 | 08 | 40 | 49 | 34 | 38 | 47 | 37 | 41 | 4998 | 7 | 1.95 | | | | 100 | 09 | 53 |
| Month Mean | 50 | 30 | 40 | 40 | 35 | | 42 | 39 | | | | | | | | 70 | 37 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month December Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | |
| 1 | 42 | 25 | 34 | | | | | | | | | | | | | 95 | 28 | 62 |
| 2 | 29 | 22 | 26 | | | | | | | | | | | | | 100 | 85 | 92 |
| 3 | 31 | 16 | 24 | | | | | | | | | | | | | 100 | 51 | 76 |
| 4 | 42 | 19 | 30 | 40 | 33 | 36 | 38 | 36 | 37 | 506 | 6 | 0.00 | 4 | | | 90 | 30 | 60 |
| 5 | 27 | 18 | 22 | | | | | | | | | | | | | 100 | 40 | 70 |
| 6 | 39 | 22 | 30 | | | | | | | | | | | | | 55 | 25 | 40 |
| 7 | 45 | 22 | 34 | | | | | | | | | | | | | 100 | 28 | 64 |
| 8 | 23 | 09 | 16 | | | | | | | | | | | | | 100 | 50 | 75 |
| 9 | 39 | 15 | 27 | | | | | | | | | | | | | 52 | 37 | 44 |
| 10 | 44 | 13 | 28 | | | | | | | | | | | | | 100 | 29 | 64 |
| 11 | 29 | 06 | 18 | 34 | 32 | 33 | 36 | 35 | 35 | 1820 | 11 | 0.70 | 16 | | | 92 | 54 | 73 |
| 12 | 42 | 26 | 34 | | | | | | | | | | | | | 63 | 40 | 52 |
| 13 | 35 | 14 | 24 | | | | | | | | | | | | | 100 | 37 | 68 |
| 14 | 43 | 26 | 34 | | | | | | | | | | | | | 57 | 33 | 45 |
| 15 | 39 | 20 | 30 | | | | | | | | | | | | | 100 | 52 | 76 |
| 16 | 27 | 19 | 23 | 34 | 33 | 34 | 35 | 34 | 35 | 1484 | 12 | 0.05 | 8 | | | 100 | 65 | 82 |
| 17 | 49 | 27 | 38 | | | | | | | | | | | | | 65 | 30 | 48 |
| 18 | 53 | 32 | 42 | | | | | | | | | | | | | 52 | 25 | 38 |
| 19 | 49 | 33 | 41 | | | | | | | | | | | | | 50 | 28 | 39 |
| 20 | 44 | 23 | 34 | | | | | | | | | | | | | 96 | 37 | 66 |
| 21 | 25 | 01 | 13 | | | | | | | | | | | | | 95 | 43 | 69 |
| 22 | 15 | 04 | 10 | | | | | | | | | | | | | 89 | 60 | 74 |
| 23 | 43 | 09 | 26 | 34 | 33 | 34 | 35 | 33 | 34 | 1127 | 7 | 0.20 | 13 | | | 60 | 19 | 40 |
| 24 | 49 | 21 | 35 | | | | | | | | | | | | | 66 | 34 | 50 |
| 25 | 49 | 20 | 34 | | | | | | | | | | | | | 68 | 22 | 45 |
| 26 | 43 | 25 | 34 | | | | | | | | | | | | | 57 | 23 | 40 |
| 27 | 26 | 06 | 16 | | | | | | | | | | | | | 100 | 54 | 77 |
| 28 | 38 | 12 | 25 | | | | | | | | | | | | | 85 | 30 | 58 |
| 29 | 27 | 13 | 20 | | | | | | | | | | | | | 92 | 48 | 70 |
| 30 | 37 | 15 | 26 | 33 | 32 | 33 | 35 | 33 | 34 | 1318 | 8 | 0.05 | 15 | 7 | 7 | 57 | 33 | 45 |
| 31 | 49 | 32 | 40 | | | | | | | 283 | 14 | 0.15 | 14 | | | 42 | 22 | 32 |
| Month | 53 | 01 | 28 | 40 | 32 | 34 | 38 | 33 | 35 | 6538 | 9 | 1.15 | | | | 100 | 19 | 59 |
| Month Mean | 38 | 18 | | 35 | 33 | | 36 | 34 | | | | | | | | 80 | 38 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month January Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | | |
|------------|------------------------------|------------------|------|--|----------------|-----------------|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|--------------------|-------------------|------|--------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 28 | 14 | 21 | | | | | | | | | | | 100 | 56 | 78 | | |
| 2 | 28 | 11 | 20 | | | | | | | | | | | 100 | 56 | 78 | | |
| 3 | 32 | 22 | 27 | | | | | | | | | | | 86 | 57 | 72 | | |
| 4 | 31 | 22 | 26 | | | | | | | | | | | 83 | 64 | 74 | | |
| 5 | 38 | 20 | 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 64 | 41 | 52 | | |
| 6 | 41 | 07 | 24 | 28 | 26 | 27 | 30 | 27 | 28 | 2099 | 15 | 0.25 | 5 | 100 | 31 | 66 | | |
| 7 | 40 | 19 | 30 | | | | | | | | | | | 95 | 15 | 58 | | |
| 8 | 36 | 23 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 48 | 74 | | |
| 9 | 58 | 34 | 46 | 28 | 26 | 28 | 30 | 28 | 29 | 1057 | 14 | 0.05 | N-D | 76 | 30 | 53 | | |
| 10 | 50 | 36 | 43 | | | | | | | | | | | 69 | 44 | 56 | | |
| 11 | 58 | 37 | 48 | | | | | | | | | | | 72 | 29 | 50 | | |
| 12 | 55 | 36 | 46 | | | | | | | | | | | 77 | 32 | 54 | | |
| 13 | 47 | 32 | 40 | | | | | | | | | | | 85 | 67 | 76 | | |
| 14 | 33 | -04 | 14 | | | | | | | | | | | 100 | 73 | 86 | | |
| 15 | 25 | -04 | 10 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 91 | 78 | 84 | | |
| 16 | 43 | 10 | 26 | 31 | 26 | 29 | 32 | 28 | 30 | 1406 | 8 | 0.10 | 6 | 86 | 24 | 55 | | |
| 17 | 34 | 22 | 28 | | | | | | | | | | | 91 | 75 | 83 | | |
| 18 | 43 | 29 | 36 | | | | | | | | | | | 91 | 66 | 78 | | |
| 19 | 35 | 20 | 28 | | | | | | | | | | | 100 | 72 | 86 | | |
| 20 | 48 | 19 | 34 | | | | | | | | | | | 78 | 41 | 60 | | |
| 21 | 44 | 17 | 30 | | | | | | | | | | | 92 | 46 | 69 | | |
| 22 | 34 | 11 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 92 | 38 | 65 | | |
| 23 | 36 | 23 | 30 | 30 | 26 | 28 | 30 | 26 | 28 | 2373 | 14 | 0.10 | 4 | 89 | 78 | 84 | | |
| 24 | 48 | 31 | 40 | | | | | | | | | | | 85 | 25 | 55 | | |
| 25 | 52 | 32 | 42 | | | | | | | | | | | 57 | 24 | 40 | | |
| 26 | 48 | 33 | 40 | | | | | | | | | | | 73 | 40 | 56 | | |
| 27 | 33 | 16 | 24 | | | | | | | | | | | 92 | 36 | 64 | | |
| 28 | 38 | 18 | 28 | | | | | | | | | | | 70 | 34 | 52 | | |
| 29 | 38 | 27 | 32 | | | | | | | | | | | 87 | 69 | 78 | | |
| 30 | 41 | 21 | 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 3037 | 18 | 0.00 | 2 | 4 | 3 | 100 | 60 | 80 |
| 31 | 49 | 22 | 36 | 30 | 24 | 27 | 30 | 25 | 28 | 228 | 10 | 0.05 | 2 | 78 | 41 | 60 | | |
| Month | 58 | -04 | 31 | 31 | 24 | 28 | 32 | 25 | 29 | 10200 | 14 | 0.55 | | 100 | 15 | 67 | | |
| Month Mean | 41 | 21 | | 29 | 26 | | 30 | 27 | | | | | | 86 | 48 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

② Rim of gauge 40 inches above ground

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month February Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | | |
|------------|------------------------------|------------------|------|--|----------------|-----------------|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|--------------------|-------------------|------|--------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 54 | 30 | 42 | | | | | | | | | | | 85 | 39 | 62 | | |
| 2 | 39 | 28 | 34 | | | | | | | | | | | 91 | 60 | 76 | | |
| 3 | 48 | 32 | 40 | | | | | | | | | | | 81 | 67 | 74 | | |
| 4 | 52 | 25 | 38 | | | | | | | | | | | 100 | 43 | 72 | | |
| 5 | 30 | 17 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 99 | 48 | 74 | | |
| 6 | 26 | 18 | 22 | 31 | 26 | 28 | 32 | 26 | 29 | 1346 | 10 | 0.15 | 3 | 100 | 75 | 88 | | |
| 7 | 36 | 18 | 27 | | | | | | | | | | | 100 | 90 | 95 | | |
| 8 | 40 | 18 | 29 | | | | | | | | | | | 91 | 52 | 72 | | |
| 9 | 17 | -01 | 08 | | | | | | | | | | | 100 | 100 | 100 | | |
| 10 | 34 | -02 | 16 | | | | | | | | | | 9 | 100 | 72 | 86 | | |
| 11 | 39 | 11 | 25 | | | | | | | | | | | 97 | 35 | 66 | | |
| 12 | 25 | 12 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 90 | 95 | | |
| 13 | 40 | 14 | 27 | 29 | 26 | 28 | 32 | 28 | 30 | 862 | 5 | 0.80 | 7 | 96 | 14 | 55 | | |
| 14 | 28 | 08 | 18 | | | | | | | | | | | 100 | 47 | 74 | | |
| 15 | 30 | 07 | 18 | | | | | | | | | | | 99 | 57 | 78 | | |
| 16 | 26 | 08 | 17 | | | | | | | | | | | 81 | 44 | 62 | | |
| 17 | 33 | 16 | 24 | | | | | | | | | | | 73 | 35 | 54 | | |
| 18 | 45 | 14 | 30 | | | | | | | | | | | 99 | 16 | 58 | | |
| 19 | 13 | 00 | 06 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 99 | 94 | 97 | | |
| 20 | 14 | -05 | 04 | 30 | 24 | 27 | 30 | 26 | 28 | 2658 | 16 | 0.70 | 8 | 95 | 71 | 83 | | |
| 21 | 17 | -06 | 06 | | | | | | | | | | | 91 | 53 | 72 | | |
| 22 | 45 | 07 | 26 | | | | | | | | | | | 79 | 31 | 55 | | |
| 23 | 37 | 11 | 24 | | | | | | | | | | | 98 | 55 | 76 | | |
| 24 | 27 | 06 | 16 | | | | | | | | | | | 100 | 72 | 86 | | |
| 25 | 36 | 11 | 24 | | | | | | | | | | | 99 | 34 | 66 | | |
| 26 | 42 | 21 | 32 | | | | | | | | | | | 75 | 40 | 58 | | |
| 27 | 48 | 28 | 38 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 1043 | 6 | 0.00 | 7 | 4 | 4 | 80 | 43 | 62 |
| 28 | 53 | 24 | 38 | 28 | 22 | 24 | 30 | 26 | 28 | 254 | 11 | 0.00 | 7 | 98 | 30 | 64 | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 54 | -06 | 24 | 31 | 22 | 27 | 32 | 26 | 29 | 6163 | 9 | 1.65 | | 100 | 14 | 73 | | |
| Month Mean | 35 | 13 | | 29 | 24 | | 31 | 26 | | | | | | 93 | 54 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month March Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------------------|--------------|-----|-------------------|------|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | Total Miles | Av. Vel. mph | Max | Min | Mean | | | |
| 1 | 24 | 14 | 19 | | | | | | | | | | | | 100 | 91 | 96 | |
| 2 | 28 | 09 | 18 | | | | | | | | | | | | 94 | 27 | 60 | |
| 3 | 17 | 03 | 10 | | | | | | | | | | | | 100 | 72 | 86 | |
| 4 | 35 | 07 | 21 | | | | | | | | | | | | 82 | 45 | 64 | |
| 5 | 46 | 19 | 32 | | | | | | | | | | | | 77 | 16 | 46 | |
| 6 | 45 | 15 | 30 | 30 | 24 | 27 | 30 | 26 | 28 | 1523 | 11 | 0.30 | 5 | | 100 | 31 | 66 | |
| 7 | 50 | 24 | 37 | | | | | | | | | | | | 76 | 20 | 48 | |
| 8 | 48 | 25 | 36 | | | | | | | | | | | | 74 | 25 | 50 | |
| 9 | 51 | 31 | 41 | | | | | | | | | | | | 83 | 37 | 60 | |
| 10 | 56 | 30 | 43 | | | | | | | | | | | | 87 | 15 | 51 | |
| 11 | 43 | 26 | 34 | | | | | | | | | | | | 93 | 37 | 65 | |
| 12 | 52 | 26 | 39 | | | | | | | | | | | | 76 | 23 | 50 | |
| 13 | 39 | 20 | 30 | 32 | 26 | 28 | 32 | 27 | 30 | 1080 | 6 | 0.05 | 5 | | 92 | 41 | 66 | |
| 14 | 33 | 17 | 25 | | | | | | | | | | | | 86 | 46 | 66 | |
| 15 | 48 | 18 | 33 | | | | | | | | | | | | 72 | 13 | 42 | |
| 16 | 51 | 27 | 39 | | | | | | | | | | | | 81 | 29 | 55 | |
| 17 | 49 | 16 | 32 | | | | | | | | | | | | 93 | 35 | 64 | |
| 18 | 48 | 15 | 32 | | | | | | | | | | | | 88 | 12 | 50 | |
| 19 | 50 | 28 | 39 | | | | | | | | | | | | 91 | 47 | 69 | |
| 20 | 47 | 20 | 34 | 32 | 30 | 31 | 33 | 31 | 32 | 1843 | 11 | 0.00 | 0 | | 88 | 56 | 72 | |
| 21 | 36 | 14 | 25 | | | | | | | | | | | | 97 | 48 | 77 | |
| 22 | 28 | 14 | 21 | | | | | | | | | | | | 93 | 61 | 72 | |
| 23 | 37 | 14 | 26 | | | | | | | | | | | | 100 | 55 | 78 | |
| 24 | 54 | 25 | 40 | | | | | | | | | | | | 86 | 22 | 54 | |
| 25 | 64 | 29 | 46 | | | | | | | | | | | | 74 | 18 | 46 | |
| 26 | 56 | 29 | 42 | | | | | | | | | | | | 92 | 44 | 68 | |
| 27 | 62 | 27 | 44 | 38 | 30 | 34 | 36 | 32 | 34 | 1644 | 10 | 0.10 | 0 | | 100 | 20 | 60 | |
| 28 | 67 | 42 | 54 | | | | | | | | | | | | 43 | 23 | 33 | |
| 29 | 58 | 32 | 45 | | | | | | | | | | | | 100 | 37 | 68 | |
| 30 | 33 | 22 | 28 | | | | | | | | | | | | 100 | 85 | 92 | |
| 31 | 44 | 20 | 32 | 44 | 34 | 38 | 40 | 34 | 37 | 517 | 5 | 1.70 | 11 | 12 | 4 | 100 | 44 | 72 |
| Month | 67 | 03 | 33 | 44 | 24 | 32 | 40 | 26 | 32 | 6607 | 9 | 2.15 | | | 100 | 12 | 63 | |
| Month Mean | 45 | 21 | 33 | 35 | 29 | | 34 | 30 | | | | | | | 88 | 38 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month April Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------------------|--------------|-----|-------------------|------|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | Total Miles | Av. Vel. mph | Max | Min | Mean | | | |
| 1 | 44 | 22 | 33 | | | | | | | | | | | | 100 | 34 | 67 | |
| 2 | 34 | 14 | 24 | | | | | | | | | | | | 100 | 72 | 86 | |
| 3 | 50 | 12 | 31 | 35 | 32 | 34 | 36 | 33 | 34 | 449 | 6 | 0.25 | 8 | | 100 | 24 | 62 | |
| 4 | 41 | 23 | 32 | | | | | | | | | | | | 100 | 41 | 70 | |
| 5 | 49 | 17 | 33 | | | | | | | | | | | | 96 | 42 | 69 | |
| 6 | 43 | 24 | 34 | | | | | | | | | | | | 100 | 40 | 70 | |
| 7 | 38 | 15 | 26 | | | | | | | | | | | | 100 | 39 | 70 | |
| 8 | 29 | 11 | 20 | | | | | | | | | | | | 100 | 47 | 74 | |
| 9 | 23 | 10 | 16 | | | | | | | | | | | | 100 | 57 | 78 | |
| 10 | 24 | 05 | 14 | 34 | 32 | 33 | 37 | 32 | 34 | 634 | 4 | 0.40 | 8 | | 100 | 76 | 88 | |
| 11 | 22 | 03 | 14 | | | | | | | | | | | | 100 | 72 | 86 | |
| 12 | 35 | 04 | 20 | | | | | | | | | | | | 100 | 32 | 66 | |
| 13 | 41 | 16 | 28 | | | | | | | | | | | | 74 | 29 | 52 | |
| 14 | 36 | 18 | 27 | | | | | | | | | | | | 100 | 40 | 70 | |
| 15 | 43 | 15 | 29 | | | | | | | | | | | | 67 | 29 | 48 | |
| 16 | 42 | 25 | 34 | | | | | | | | | | | | 86 | 40 | 63 | |
| 17 | 26 | 07 | 16 | 33 | 32 | 32 | 34 | 32 | 33 | 1682 | 10 | 0.70 | 5 | | 100 | 81 | 90 | |
| 18 | 31 | 04 | 18 | | | | | | | | | | | | 100 | 65 | 82 | |
| 19 | 36 | 09 | 22 | | | | | | | | | | | | 100 | 55 | 78 | |
| 20 | 54 | 16 | 35 | | | | | | | | | | | | 100 | 35 | 68 | |
| 21 | 64 | 38 | 51 | | | | | | | | | | | | 55 | 27 | 41 | |
| 22 | 68 | 40 | 54 | | | | | | | | | | | | 69 | 26 | 48 | |
| 23 | 47 | 35 | 41 | | | | | | | | | | | | 100 | 61 | 80 | |
| 24 | 49 | 26 | 38 | 34 | 32 | 33 | 34 | 33 | 33 | 930 | 6 | 1.05 | 1 | | 88 | 23 | 56 | |
| 25 | 57 | 26 | 42 | | | | | | | | | | | | 74 | 19 | 46 | |
| 26 | 63 | 25 | 44 | | | | | | | | | | | | 82 | 29 | 56 | |
| 27 | 71 | 43 | 58 | | | | | | | | | | | | 55 | 23 | 39 | |
| 28 | 48 | 29 | 38 | | | | | | | | | | | | 100 | 55 | 78 | |
| 29 | 48 | 28 | 38 | | | | | | | 923 | 8 | 0.30 | | | 100 | 40 | 70 | |
| 30 | 48 | 33 | 40 | 46 | 32 | 40 | 44 | 32 | 38 | 356 | 14 | 0.00 | 0 | 16 | 13 | 100 | 39 | 70 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 71 | 09 | 32 | 46 | 32 | 34 | 44 | 32 | 35 | 4974 | 7 | 2.70 | | | 100 | 19 | 67 | |
| Month Mean | 43 | 20 | 32 | 36 | 32 | | 37 | 32 | | | | | | | 91 | 43 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | | | | |
|------------|----------------------------|----------------------|------|--|----|---|--------------|----|----|-------------|------------------|----------------------|-------------------------------|-------------------------------------|---------------|------------|--------------------|-------------------|----------------------|-----|----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | | | | |
| 1 | 39 | 23 | 31 | | | | | | | | | | | | | | | | | 100 | 27 | 64 | | |
| 2 | 38 | 17 | 28 | | | | | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 3 | 33 | 18 | 26 | | | | | | | | | | | | | | | | | 100 | 72 | 86 | | |
| 4 | 38 | 19 | 28 | | | | | | | | | | | | | | | | | 100 | 61 | 80 | | |
| 5 | 45 | 17 | 31 | | | | | | | | | | | | | | | | | 100 | 50 | 75 | | |
| 6 | 64 | 31 | 48 | ↓ | 40 | ↓ | 34 | ↓ | 37 | ↓ | 42 | ↓ | 34 | ↓ | 38 | 996 | 7 | 0.70 | 0 | 73 | 28 | 50 | | |
| 7 | 65 | 35 | 50 | | | | | | | | | | | | | | | | | 70 | 27 | 48 | | |
| 8 | 66 | 39 | 52 | | | | | | | | | | | | | | | | | 58 | 33 | 46 | | |
| 9 | 50 | 28 | 39 | | | | | | | | | | | | | | | | | 100 | 25 | 62 | | |
| 10 | 44 | 21 | 32 | | | | | | | | | | | | | | | | | 100 | 33 | 66 | | |
| 11 | 48 | 17 | 32 | | | | | | | | | | | | | | | | | 100 | 19 | 60 | | |
| 12 | 22 | 13 | 18 | ↓ | 46 | ↓ | 36 | ↓ | 42 | ↓ | 45 | ↓ | 36 | ↓ | 41 | 797 | 5 | 0.15 | 0 | 100 | 79 | 90 | | |
| 13 | 33 | 12 | 22 | ↓ | 46 | ↓ | 36 | ↓ | 42 | ↓ | 45 | ↓ | 36 | ↓ | 41 | | | | | 100 | 71 | 86 | | |
| 14 | 51 | 24 | 38 | | | | | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 15 | 49 | 24 | 36 | | | | | | | | | | | | | | | | | 100 | 47 | 74 | | |
| 16 | 33 | 27 | 30 | | | | | | | | | | | | | | | | | 100 | 96 | 98 | | |
| 17 | 51 | 24 | 38 | | | | | | | | | | | | | | | | | 100 | 57 | 78 | | |
| 18 | 48 | 27 | 38 | | | | | | | | | | | | | | | | | 100 | 61 | 80 | | |
| 19 | 56 | 31 | 44 | ↓ | 46 | ↓ | 34 | ↓ | 40 | ↓ | 45 | ↓ | 34 | ↓ | 40 | 795 | 5 | 2.10 | 0 | 80 | 38 | 59 | | |
| 20 | 49 | 36 | 42 | ↓ | 46 | ↓ | 34 | ↓ | 40 | ↓ | 45 | ↓ | 34 | ↓ | 40 | | | | | 100 | 53 | 76 | | |
| 21 | 73 | 33 | 53 | | | | | | | | | | | | | | | | | 96 | 22 | 59 | | |
| 22 | 61 | 34 | 48 | | | | | | | | | | | | | | | | | 86 | 53 | 70 | | |
| 23 | 47 | 30 | 38 | | | | | | | | | | | | | | | | | 100 | 72 | 86 | | |
| 24 | 71 | 36 | 54 | | | | | | | | | | | | | | | | | 100 | 16 | 58 | | |
| 25 | 69 | 32 | 50 | | | | | | | | | | | | | | | | | 87 | 38 | 62 | | |
| 26 | 63 | 41 | 52 | ↓ | 54 | ↓ | 38 | ↓ | 46 | ↓ | 52 | ↓ | 36 | ↓ | 44 | | | | | 100 | 57 | 78 | | |
| 27 | 63 | 40 | 52 | ↓ | 54 | ↓ | 38 | ↓ | 46 | ↓ | 52 | ↓ | 36 | ↓ | 44 | 992 | 6 | 0.30 | 0 | 100 | 64 | 82 | | |
| 28 | 74 | 39 | 56 | | | | | | | | | | | | | | | | | 100 | 38 | 69 | | |
| 29 | 57 | 38 | 48 | | | | | | | | | | | | | | | | | 89 | 18 | 54 | | |
| 30 | 71 | 38 | 54 | ↓ | 56 | ↓ | 46 | ↓ | 51 | ↓ | 54 | ↓ | 46 | ↓ | 50 | 681 | 10 | 0.30 | | 12 | 13 | 55 | 22 | 38 |
| 31 | 69 | 39 | 54 | ↓ | 56 | ↓ | 46 | ↓ | 51 | ↓ | 54 | ↓ | 46 | ↓ | 50 | 137 | 5 | 0.00 | 0 | 81 | 39 | 60 | | |
| Month | 74 | 12 | 41 | ↓ | 56 | ↓ | 34 | ↓ | 43 | ↓ | 54 | ↓ | 34 | ↓ | 42 | 4398 | 6 | 3.55 | | | | 100 | 16 | 69 |
| Month Mean | 53 | 28 | 41 | 49 | 39 | | | 48 | 38 | | | | | | | | | | | 93 | 45 | | | |
| Key | Thermograph (Bourdon Tube) | Average of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygrograph (Hair) | Average of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | | | | |
|------------|----------------------------|----------------------|------|--|----|---|--------------|----|----|-------------|------------------|----------------------|-------------------------------|-------------------------------------|---------------|------------|--------------------|-------------------|----------------------|-----|----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | | | | |
| 1 | 67 | 42 | 54 | | | | | | | | | | | | | | | | | 100 | 39 | 70 | | |
| 2 | 70 | 38 | 54 | ↓ | 59 | ↓ | 49 | ↓ | 54 | ↓ | 56 | ↓ | 49 | ↓ | 52 | 420 | 5 | 0.10 | 0 | 87 | 20 | 54 | | |
| 3 | 71 | 37 | 54 | ↓ | 59 | ↓ | 49 | ↓ | 54 | ↓ | 56 | ↓ | 49 | ↓ | 52 | | | | | 46 | 20 | 33 | | |
| 4 | 65 | 40 | 52 | | | | | | | | | | | | | | | | | 100 | 44 | 72 | | |
| 5 | 50 | 39 | 44 | | | | | | | | | | | | | | | | | 100 | 79 | 90 | | |
| 6 | 54 | 39 | 46 | | | | | | | | | | | | | | | | | 100 | 74 | 87 | | |
| 7 | 56 | 41 | 48 | | | | | | | | | | | | | | | | | 100 | 32 | 66 | | |
| 8 | 70 | 42 | 56 | | | | | | | | | | | | | | | | | 67 | 34 | 50 | | |
| 9 | 78 | 48 | 63 | ↓ | 64 | ↓ | 48 | ↓ | 56 | ↓ | 60 | ↓ | 48 | ↓ | 54 | | | | | 81 | 25 | 53 | | |
| 10 | 84 | 56 | 70 | ↓ | 64 | ↓ | 48 | ↓ | 56 | ↓ | 60 | ↓ | 48 | ↓ | 54 | 870 | 5 | 0.40 | 0 | 88 | 20 | 54 | | |
| 11 | 83 | 55 | 69 | | | | | | | | | | | | | | | | | 100 | 42 | 71 | | |
| 12 | 78 | 58 | 68 | | | | | | | | | | | | | | | | | 100 | 50 | 75 | | |
| 13 | 83 | 58 | 70 | | | | | | | | | | | | | | | | | 72 | 33 | 52 | | |
| 14 | 75 | 55 | 65 | | | | | | | | | | | | | | | | | 100 | 46 | 73 | | |
| 15 | 75 | 46 | 60 | | | | | | | | | | | | | | | | | 100 | 31 | 66 | | |
| 16 | 72 | 42 | 57 | ↓ | 64 | ↓ | 48 | ↓ | 56 | ↓ | 60 | ↓ | 48 | ↓ | 54 | | | | | 100 | 55 | 78 | | |
| 17 | 83 | 54 | 68 | ↓ | 66 | ↓ | 54 | ↓ | 60 | ↓ | 63 | ↓ | 55 | ↓ | 59 | 843 | 5 | 0.60 | 0 | 11 | 12 | 75 | 25 | 50 |
| 18 | 83 | 52 | 68 | | | | | | | | | | | | | | | | | 100 | 35 | 68 | | |
| 19 | 55 | 43 | 49 | | | | | | | | | | | | | | | | | 100 | 70 | 85 | | |
| 20 | 71 | 45 | 58 | | | | | | | | | | | | | | | | | 75 | 23 | 49 | | |
| 21 | 73 | 46 | 60 | | | | | | | | | | | | | | | | | 100 | 44 | 72 | | |
| 22 | 77 | 46 | 62 | | | | | | | | | | | | | | | | | 92 | 33 | 62 | | |
| 23 | 82 | 53 | 68 | ↓ | 67 | ↓ | 50 | ↓ | 59 | ↓ | 64 | ↓ | 51 | ↓ | 57 | | | | | 67 | 24 | 46 | | |
| 24 | 81 | 46 | 64 | ↓ | 67 | ↓ | 50 | ↓ | 59 | ↓ | 64 | ↓ | 51 | ↓ | 57 | 1019 | 6 | 0.43 | 0 | 100 | 16 | 58 | | |
| 25 | 68 | 42 | 55 | | | | | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 26 | 80 | 46 | 63 | | | | | | | | | | | | | | | | | 79 | 15 | 47 | | |
| 27 | 70 | 50 | 60 | | | | | | | | | | | | | | | | | 100 | 18 | 59 | | |
| 28 | 74 | 45 | 60 | | | | | | | | | | | | | | | | | 100 | 24 | 62 | | |
| 29 | 89 | 58 | 74 | ↓ | 68 | ↓ | 58 | ↓ | 63 | ↓ | 66 | ↓ | 58 | ↓ | 62 | | | | | 32 | 12 | 22 | | |
| 30 | 88 | 60 | 74 | ↓ | 68 | ↓ | 58 | ↓ | 63 | ↓ | 66 | ↓ | 58 | ↓ | 62 | 755 | 5 | 0.02 | 0 | 10 | 10 | 71 | 20 | 46 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Month | 89 | 37 | 60 | ↓ | 68 | ↓ | 48 | ↓ | 58 | ↓ | 66 | ↓ | 48 | ↓ | 57 | 3907 | 5 | 1.55 | | | | 100 | 12 | 61 |
| Month Mean | 74 | 47 | 60 | 65 | 52 | | | 62 | 52 | | | | | | | | | | | 88 | 34 | | | |
| Key | Thermograph (Bourdon Tube) | Average of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygrograph (Hair) | Average of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month July Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 85 | 57 | 71 | | | | | | | | | | | | | | 56 | 18 | 37 |
| 2 | 76 | 49 | 62 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 3 | 87 | 50 | 68 | | | | | | | | | | | | | | 93 | 07 | 50 |
| 4 | 87 | 61 | 74 | | | | | | | | | | | | | | 30 | 11 | 20 |
| 5 | 78 | 57 | 68 | | | | | | | | | | | | | | 62 | 21 | 42 |
| 6 | 81 | 54 | 68 | | | | | | | | | | | | | | 45 | 15 | 30 |
| 7 | 79 | 55 | 67 | 71 | 61 | 66 | 68 | 60 | 64 | 1.44 | 7 | 0.01 | 0 | | | 76 | 26 | 46 | |
| 8 | 86 | 51 | 68 | | | | | | | | | | | | | | 100 | 19 | 60 |
| 9 | 83 | 51 | 67 | | | | | | | | | | | | | | 100 | 17 | 58 |
| 10 | 79 | 51 | 65 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 11 | 64 | 50 | 57 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 12 | 77 | 49 | 63 | | | | | | | | | | | | | | 72 | 18 | 45 |
| 13 | 80 | 53 | 66 | | | | | | | | | | | | | | 40 | 24 | 32 |
| 14 | 84 | 56 | 70 | 72 | 57 | 64 | 70 | 58 | 64 | 7.05 | 4 | 1.02 | 0 | 10 | 10 | 50 | 22 | 36 | |
| 15 | 81 | 59 | 70 | | | | | | | | | | | | | | 47 | 25 | 36 |
| 16 | 59 | 48 | 54 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 17 | 58 | 47 | 52 | | | | | | | | | | | | | | 100 | 73 | 86 |
| 18 | 70 | 49 | 60 | | | | | | | | | | | | | | 89 | 34 | 62 |
| 19 | 71 | 51 | 61 | | | | | | | | | | | | | | 86 | 34 | 60 |
| 20 | 80 | 52 | 66 | | | | | | | | | | | | | | 50 | 16 | 33 |
| 21 | 71 | 51 | 61 | 68 | 56 | 62 | 65 | 56 | 61 | 7.40 | 4 | 1.62 | 0 | | | 82 | 28 | 55 | |
| 22 | 75 | 52 | 64 | | | | | | | | | | | | | | 74 | 26 | 50 |
| 23 | 83 | 60 | 72 | | | | | | | | | | | | | | 31 | 18 | 30 |
| 24 | 87 | 60 | 74 | | | | | | | | | | | | | | 43 | 18 | 30 |
| 25 | 87 | 59 | 73 | | | | | | | | | | | | | | 44 | 22 | 33 |
| 26 | 78 | 58 | 68 | | | | | | | | | | | | | | 95 | 34 | 64 |
| 27 | 85 | 56 | 70 | | | | | | | | | | | | | | 97 | 31 | 64 |
| 28 | 82 | 54 | 68 | 70 | 57 | 64 | 68 | 58 | 62 | 9.49 | 6 | 0.12 | 0 | | | 100 | 32 | 66 | |
| 29 | 66 | 51 | 58 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 30 | 68 | 50 | 59 | | | | | | | | | | | | | | 91 | 43 | 67 |
| 31 | 72 | 52 | 62 | 65 | 58 | 61 | 63 | 58 | 61 | 2.50 | 4 | 0.17 | 0 | 10 | 10 | 94 | 36 | 65 | |
| Month | 87 | 47 | 65 | 72 | 56 | 64 | 70 | 56 | 62 | 37.88 | 5 | 2.94 | | | | 100 | 07 | 52 | |
| Month Mean | 77 | 53 | | | | | | | | | | | | | | | 76 | 28 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month August Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 68 | 52 | 60 | | | | | | | | | | | | | | 97 | 44 | 70 |
| 2 | 58 | 49 | 54 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 3 | 74 | 48 | 61 | | | | | | | | | | | | | | 70 | 20 | 45 |
| 4 | 78 | 48 | 63 | 66 | 54 | 60 | 62 | 56 | 59 | 3.38 | 4 | 1.66 | 0 | | | 60 | 22 | 41 | |
| 5 | 76 | 51 | 64 | | | | | | | | | | | | | | 64 | 22 | 43 |
| 6 | 78 | 48 | 63 | | | | | | | | | | | | | | 78 | 32 | 55 |
| 7 | 79 | 48 | 64 | | | | | | | | | | | | | | 94 | 19 | 56 |
| 8 | 83 | 56 | 70 | | | | | | | | | | | | | | 53 | 16 | 34 |
| 9 | 81 | 56 | 68 | | | | | | | | | | | | | | 53 | 20 | 36 |
| 10 | 71 | 48 | 60 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 11 | 62 | 43 | 52 | 68 | 56 | 62 | 65 | 57 | 61 | 9.55 | 6 | 0.29 | 0 | | | 100 | 50 | 75 | |
| 12 | 73 | 43 | 58 | | | | | | | | | | | | | | 90 | 26 | 58 |
| 13 | 82 | 50 | 66 | | | | | | | | | | | | | | 39 | 14 | 26 |
| 14 | 73 | 51 | 62 | | | | | | | | | | | | | | 83 | 20 | 52 |
| 15 | 69 | 47 | 58 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 16 | 67 | 43 | 55 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 17 | 70 | 46 | 58 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 18 | 70 | 45 | 58 | 69 | 56 | 62 | 65 | 57 | 61 | 6.37 | 4 | 0.28 | 0 | 9 | 10 | 100 | 36 | 68 | |
| 19 | 65 | 41 | 53 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 20 | 69 | 43 | 56 | | | | | | | | | | | | | | 96 | 35 | 66 |
| 21 | 76 | 47 | 62 | | | | | | | | | | | | | | 80 | 26 | 53 |
| 22 | 71 | 45 | 58 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 23 | 67 | 45 | 56 | | | | | | | | | | | | | | 75 | 36 | 56 |
| 24 | 79 | 50 | 64 | | | | | | | | | | | | | | 48 | 19 | 34 |
| 25 | 85 | 56 | 70 | 66 | 52 | 59 | 63 | 54 | 58 | 7.71 | 4 | 0.53 | 0 | | | 39 | 19 | 29 | |
| 26 | 81 | 56 | 68 | | | | | | | | | | | | | | 60 | 23 | 42 |
| 27 | 71 | 52 | 62 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 28 | 72 | 49 | 60 | | | | | | | | | | | | | | 70 | 27 | 48 |
| 29 | 73 | 47 | 60 | | | | | | | | | | | | | | 56 | 28 | 42 |
| 30 | 74 | 47 | 60 | | | | | | | | | | | | | | 72 | 30 | 51 |
| 31 | 77 | 52 | 64 | 70 | 55 | 62 | 65 | 57 | 61 | 6.59 | 5 | 0.25 | 0 | 8 | 7 | 68 | 33 | 50 | |
| Month | 85 | 41 | 61 | 70 | 52 | 61 | 65 | 54 | 60 | 33.60 | 4 | 2.91 | | | | 100 | 14 | 55 | |
| Month Mean | 73 | 48 | | 68 | 55 | | 64 | 56 | | | | | | | | | 79 | 31 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month September Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|-----|-------------------|-----|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 78 | 55 | 66 | | | | | | | | | | | | | | | 64 | 36 | 50 |
| 2 | 73 | 37 | 55 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 3 | 44 | 34 | 39 | | | | | | | | | | | | | | | 100 | 67 | 84 |
| 4 | 58 | 31 | 44 | 68 | 53 | 60 | 64 | 54 | 59 | 489 | 5 | 0.02 | 0 | | | | 100 | 38 | 69 | |
| 5 | 69 | 44 | 56 | | | | | | | | | | | | | | | | | |
| 6 | 71 | 47 | 59 | | | | | | | | | | | | | | | | | |
| 7 | 76 | 47 | 62 | | | | | | | | | | | | | | | 48 | 24 | 36 |
| 8 | 74 | 50 | 62 | | | | | | | | | | | | | | | 79 | 34 | 56 |
| 9 | 72 | 49 | 60 | | | | | | | | | | | | | | | 68 | 36 | 52 |
| 10 | 70 | 46 | 58 | 66 | 54 | 60 | 62 | 55 | 58 | 656 | 5 | 0.05 | 0 | | | | 76 | 38 | 57 | |
| 11 | 71 | 47 | 59 | | | | | | | | | | | | | | | 58 | 38 | 48 |
| 12 | 80 | 47 | 64 | | | | | | | | | | | | | | | 59 | 26 | 42 |
| 13 | 79 | 50 | 64 | | | | | | | | | | | | | | | 50 | 26 | 38 |
| 14 | 77 | 48 | 62 | | | | | | | | | | | | | | | 57 | 28 | 42 |
| 15 | 69 | 43 | 56 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 16 | 72 | 49 | 60 | | | | | | | | | | | | | | | 60 | 32 | 46 |
| 17 | 74 | 41 | 58 | 66 | 54 | 60 | 62 | 56 | 59 | 956 | 6 | 0.03 | 0 | | | | 100 | 20 | 60 | |
| 18 | 66 | 42 | 54 | | | | | | | | | | | | | | | 82 | 22 | 52 |
| 19 | 73 | 44 | 58 | | | | | | | | | | | | | | | 43 | 26 | 54 |
| 20 | 56 | 33 | 44 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 21 | 66 | 29 | 48 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 22 | 75 | 47 | 61 | | | | | | | | | | | | | | | 48 | 24 | 36 |
| 23 | 70 | 46 | 58 | | | | | | | | | | | | | | | 38 | 18 | 28 |
| 24 | 70 | 37 | 54 | 61 | 51 | 56 | 59 | 53 | 56 | 1363 | 8 | 0.00 | 0 | | | | 88 | 20 | 54 | |
| 25 | 74 | 35 | 54 | | | | | | | | | | | | | | | 86 | 19 | 52 |
| 26 | 76 | 52 | 64 | | | | | | | | | | | | | | | 31 | 18 | 24 |
| 27 | 79 | 49 | 64 | | | | | | | | | | | | | | | 29 | 17 | 23 |
| 28 | 75 | 42 | 58 | | | | | | | | | | | | | | | 84 | 22 | 53 |
| 29 | 69 | 42 | 56 | | | | | | | | | | | | | | | 64 | 37 | 50 |
| 30 | 75 | 43 | 59 | 60 | 50 | 55 | 58 | 52 | 55 | 1365 | 7 | 0.00 | 0 | 4 | 4 | | 60 | 26 | 43 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 80 | 29 | 57 | 68 | 50 | 58 | 64 | 52 | 58 | 4829 | 6 | 0.10 | | | | | 100 | 17 | 47 | |
| Month Mean | 71 | 44 | | 64 | 52 | | 61 | 54 | | | | | | | | | 66 | 28 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month October Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|-----|-------------------|-----|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 74 | 50 | 62 | | | | | | | | | | | | | | | 36 | 26 | 31 |
| 2 | 73 | 35 | 54 | | | | | | | | | | | | | | | 68 | 28 | 48 |
| 3 | 36 | 27 | 32 | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 4 | 60 | 26 | 43 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 5 | 60 | 29 | 44 | | | | | | | | | | | | | | | 67 | 29 | 48 |
| 6 | 68 | 34 | 51 | | | | | | | | | | | | | | | 57 | 17 | 37 |
| 7 | 71 | 44 | 58 | 57 | 43 | 50 | 56 | 46 | 50 | 612 | 4 | 0.05 | 0 | | | | 36 | 22 | 29 | |
| 8 | 70 | 46 | 58 | | | | | | | | | | | | | | | 38 | 26 | 32 |
| 9 | 74 | 45 | 60 | | | | | | | | | | | | | | | 40 | 24 | 32 |
| 10 | 75 | 46 | 60 | | | | | | | | | | | | | | | 36 | 21 | 28 |
| 11 | 72 | 47 | 60 | | | | | | | | | | | | | | | 36 | 23 | 30 |
| 12 | 65 | 44 | 54 | | | | | | | | | | | | | | | 70 | 29 | 48 |
| 13 | 56 | 39 | 48 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 14 | 59 | 37 | 48 | 52 | 45 | 49 | 52 | 47 | 49 | 671 | 4 | 0.03 | 0 | | | | 100 | 50 | 75 | |
| 15 | 65 | 35 | 50 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 16 | 58 | 38 | 48 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 17 | 66 | 38 | 52 | | | | | | | | | | | | | | | 59 | 25 | 42 |
| 18 | 68 | 42 | 55 | | | | | | | | | | | | | | | 53 | 27 | 40 |
| 19 | 66 | 43 | 54 | | | | | | | 590 | 5 | 0.00 | 0 | | | | 45 | 29 | 38 | |
| 20 | 58 | 36 | 47 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 21 | 50 | 31 | 40 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 22 | 36 | 25 | 30 | | | | | | | | | | | | | | | 100 | 92 | 96 |
| 23 | 32 | 23 | 28 | 50 | 40 | 45 | 50 | 42 | 46 | 373 | 4 | 0.40 | 2 | | | | | | | |
| 24 | 38 | 24 | 31 | | | | | | | | | | | | | | | | | |
| 25 | 40 | 23 | 32 | | | | | | | | | | | | | | | | | |
| 26 | 52 | 21 | 36 | | | | | | | | | | | | | | | | | |
| 27 | 51 | 32 | 42 | | | | | | | | | | | | | | | | | |
| 28 | 59 | 34 | 46 | | | | | | | | | | | | | | | | | |
| 29 | 66 | 41 | 54 | | | | | | | | | | | | | | | | | |
| 30 | 54 | 33 | 44 | | | | | | | 761 | 4 | 0.15 | 0 | | | | | | | |
| 31 | 57 | 34 | 46 | 45 | 35 | 40 | 44 | 38 | 40 | 179 | 2 | 0.00 | | | | | 100 | 16 | 58 | |
| Month | 75 | 21 | 47 | 57 | 35 | 46 | 56 | 38 | 46 | 3186 | 4 | 0.63 | | | | | 100 | 16 | 53 | |
| Month Mean | 59 | 36 | | 51 | 41 | | 50 | 43 | | | | | | | | | 71 | 35 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|-----|--------------|-----|----------------------|-----------------------|---------------|--------------|------------|-------------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | Total Miles | Av. Vel. mph | % Dry 5-7" | % Dry 11-13" | Max | Min |
| 1 | 63 | 39 | 51 | | | | | | | | | 7 | 4 | 49 | 29 | 39 |
| 2 | 61 | 30 | 46 | | | | | | | | | | | 100 | 25 | 62 |
| 3 | 45 | 27 | 36 | | | | | | | | | | | 100 | 51 | 76 |
| 4 | 34 | 26 | 30 | | | | | | | | | | | 100 | 97 | 98 |
| 5 | 32 | 22 | 27 | | | | | | | | | | | 100 | 99 | 100 |
| 6 | 39 | 25 | 32 | 40 | 35 | 38 | 41 | 37 | 39 | 45.7 | 4 | 0.40 | 2 | 100 | 52 | 76 |
| 7 | 40 | 19 | 30 | | | | | | | | | | | 84 | 32 | 58 |
| 8 | 55 | 19 | 37 | | | | | | | | | | | 84 | 21 | 52 |
| 9 | 56 | 37 | 46 | | | | | | | | | | | 28 | 18 | 23 |
| 10 | 55 | 38 | 46 | | | | | | | | | | | 24 | 14 | 19 |
| 11 | 59 | 38 | 48 | | | | | | | | | | | 42 | 16 | 29 |
| 12 | 60 | 38 | 49 | | | | | | | | | | | 44 | 22 | 33 |
| 13 | 62 | 41 | 52 | 36 | 33 | 34 | 38 | 35 | 36 | 85.7 | 5 | 0.05 | 0 | 50 | 32 | 41 |
| 14 | 64 | 42 | 53 | | | | | | | | | | | 47 | 28 | 38 |
| 15 | 60 | 41 | 50 | | | | | | | | | | | 54 | 29 | 42 |
| 16 | 59 | 37 | 48 | | | | | | | | | | | 59 | 37 | 48 |
| 17 | 57 | 37 | 47 | | | | | | | | | | | 53 | 30 | 42 |
| 18 | 40 | 12 | 26 | | | | | | | | | | | 100 | 52 | 76 |
| 19 | 19 | 08 | 14 | | | | | | | | | | | 100 | 91 | 96 |
| 20 | 34 | 08 | 21 | 34 | 32 | 33 | 36 | 34 | 35 | 688 | 4 | 0.60 | 7 | 100 | 61 | 80 |
| 21 | 29 | 06 | 18 | | | | | | | | | | | 100 | 55 | 78 |
| 22 | 41 | 15 | 28 | | | | | | | | | | | 68 | 41 | 54 |
| 23 | 38 | 24 | 31 | | | | | | | | | | | 100 | 46 | 73 |
| 24 | 35 | 24 | 30 | | | | | | | | | | | 81 | 49 | 65 |
| 25 | 42 | 26 | 34 | | | | | | | | | | | 70 | 42 | 56 |
| 26 | 42 | 30 | 36 | | | | | | | | | | | 100 | 35 | 68 |
| 27 | 50 | 28 | 39 | | | | | | | 29.16 | 17 | 0.45 | 2 | 94 | 37 | 66 |
| 28 | 45 | 30 | 38 | | | | | | | | | | | 60 | 34 | 47 |
| 29 | 45 | 31 | 38 | | | | | | | | | | | 52 | 38 | 45 |
| 30 | 55 | 32 | 44 | 34 | 30 | 32 | 34 | 32 | 33 | 749 | 11 | 0.00 | 2 | 41 | 20 | 30 |
| 31 | | | | | | | | | | | | | | | | |
| Month | 64 | 06 | 38 | 40 | 30 | 34 | 41 | 32 | 36 | 566.7 | 8 | 1.50 | | 100 | 14 | 57 |
| Month Mean | 4.7 | 2.8 | 3.8 | 3.6 | 3.2 | 3.4 | 3.7 | 3.4 | 3.6 | | | | | 7.3 | 4.1 | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|-----|-----|--------------|-----|----------------------|-----------------------|---------------|--------------|------------|-------------------|-----|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | Total Miles | Av. Vel. mph | % Dry 5-7" | % Dry 11-13" | Max | Min | Mean | |
| 1 | 35 | 18 | 26 | | | | | | | | | 7 | 4 | 100 | 34 | 67 | | |
| 2 | 25 | 16 | 20 | | | | | | | | | | | 100 | 81 | 90 | | |
| 3 | 23 | 11 | 17 | | | | | | | | | | | 100 | 54 | 77 | | |
| 4 | 36 | 16 | 26 | 31 | 28 | 30 | 33 | 30 | 32 | 15.78 | 17 | 0.20 | 3 | 100 | 40 | 70 | | |
| 5 | 21 | 12 | 16 | | | | | | | | | | | 100 | 45 | 72 | | |
| 6 | 32 | 15 | 24 | | | | | | | | | | | 68 | 30 | 49 | | |
| 7 | 37 | 15 | 26 | | | | | | | | | | | 100 | 33 | 66 | | |
| 8 | 17 | 03 | 10 | | | | | | | | | | | 100 | 53 | 76 | | |
| 9 | 35 | 08 | 22 | | | | | | | | | | | 68 | 33 | 50 | | |
| 10 | 38 | 08 | 23 | | | | | | | | | | | 100 | 32 | 66 | | |
| 11 | 26 | 00 | 13 | 30 | 26 | 28 | 32 | 28 | 30 | 266.2 | 16 | 0.90 | 7 | 100 | 50 | 75 | | |
| 12 | 35 | 20 | 28 | | | | | | | | | | | 84 | 58 | 71 | | |
| 13 | 30 | 19 | 24 | | | | | | | | | | | 73 | 46 | 60 | | |
| 14 | 37 | 19 | 28 | | | | | | | | | | | 78 | 45 | 62 | | |
| 15 | 35 | 23 | 29 | | | | | | | | | | | 100 | 61 | 80 | | |
| 16 | 40 | 15 | 28 | 28 | 24 | 26 | 30 | 26 | 28 | 229.0 | 19 | 0.10 | 2 | 100 | 50 | 75 | | |
| 17 | 44 | 26 | 35 | | | | | | | | | | | 78 | 36 | 57 | | |
| 18 | 47 | 29 | 38 | | | | | | | | | | | 64 | 35 | 50 | | |
| 19 | 42 | 28 | 35 | | | | | | | | | | | 64 | 39 | 52 | | |
| 20 | 38 | 16 | 27 | | | | | | | | | | | 100 | 47 | 74 | | |
| 21 | 21 | -03 | 09 | | | | | | | | | | | 100 | 48 | 74 | | |
| 22 | 16 | -03 | 06 | | | | | | | | | | | 100 | 32 | 66 | | |
| 23 | 40 | 02 | 27 | 28 | 24 | 26 | 30 | 26 | 28 | 110.5 | 6 | 0.30 | 4 | 42 | 25 | 34 | | |
| 24 | 48 | 15 | 32 | | | | | | | | | | | 83 | 33 | 58 | | |
| 25 | 44 | 20 | 32 | | | | | | | | | | | 67 | 21 | 44 | | |
| 26 | 39 | 19 | 29 | | | | | | | | | | | 72 | 27 | 50 | | |
| 27 | 19 | 01 | 10 | | | | | | | | | | | 100 | 58 | 79 | | |
| 28 | 37 | 11 | 24 | | | | | | | | | | | 68 | 32 | 50 | | |
| 29 | 21 | 09 | 15 | | | | | | | | | | | 100 | 53 | 76 | | |
| 30 | 31 | 13 | 22 | | | | | | | 131.8 | 8 | 0.50 | 7 | 4 | 4 | 65 | 34 | 50 |
| 31 | 42 | 26 | 34 | 28 | 25 | 26 | 29 | 26 | 28 | 352 | 18 | 0.15 | | 43 | 24 | 33 | | |
| Month | 48 | -03 | 24 | 31 | 24 | 27 | 33 | 26 | 29 | 930.5 | 12 | 2.15 | | 100 | 21 | 63 | | |
| Month Mean | 3.3 | 1.4 | 2.4 | 2.9 | 2.5 | 2.7 | 3.1 | 2.7 | 2.9 | | | | | 8.4 | 4.2 | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|----------------------|---------------------|------------------|--------|------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | 5-7" | | | |
| 1 | 19 | 09 | 14 | | | | | | | | | | | | | | | 100 | 58 | 79 |
| 2 | 20 | 07 | 14 | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 3 | 25 | 17 | 21 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 4 | 22 | 17 | 20 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 5 | 28 | 19 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 63 | 40 | 52 | |
| 6 | 31 | 18 | 24 | 28 | 21 | 24 | 28 | 25 | 26 | 3194 | 21 | 0.28 | 22 | N-D | | | 100 | 29 | 64 | |
| 7 | 26 | 17 | 22 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 8 | 27 | 17 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 55 | 78 | |
| 9 | 41 | 26 | 34 | 29 | 24 | 26 | 28 | 26 | 27 | 1810 | 25 | 0.27 | 24 | N-D | | | 86 | 36 | 61 | |
| 10 | 35 | 28 | 32 | | | | | | | | | | | | | | 61 | 52 | 56 | |
| 11 | 44 | 27 | 36 | | | | | | | | | | | | | | 65 | 29 | 47 | |
| 12 | 42 | 27 | 34 | | | | | | | | | | | | | | 72 | 32 | 52 | |
| 13 | 35 | 21 | 28 | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 14 | 27 | -07 | 10 | | | | | | | | | | | | | | 100 | 72 | 86 | |
| 15 | 16 | -05 | 06 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 28 | 64 | |
| 16 | 28 | 10 | 19 | 32 | 26 | 29 | 31 | 27 | 29 | 2487 | 15 | 0.20 | 23 | N-D | | | 82 | 18 | 50 | |
| 17 | 22 | 15 | 19 | | | | | | | | | | | | | | 100 | 68 | 84 | |
| 18 | 29 | 21 | 25 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 19 | 27 | 15 | 21 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 20 | 32 | 15 | 24 | | | | | | | | | | | | | | 96 | 46 | 71 | |
| 21 | 29 | 14 | 22 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 22 | 22 | 11 | 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 88 | 32 | 60 | |
| 23 | 26 | 16 | 21 | 29 | 22 | 26 | 30 | 26 | 28 | 3875 | 23 | .75 | 29 | N-D | | | 100 | 82 | 91 | |
| 24 | 35 | 23 | 29 | | | | | | | | | | | | | | 93 | 23 | 58 | |
| 25 | 36 | 28 | 32 | | | | | | | | | | | | | | 53 | 14 | 34 | |
| 26 | 37 | 27 | 32 | | | | | | | | | | | | | | 63 | 34 | 48 | |
| 27 | 27 | 09 | 18 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 28 | 24 | 12 | 18 | | | | | | | | | | | | | | 81 | 32 | 56 | |
| 29 | 28 | 20 | 24 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 30 | 26 | 16 | 21 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 4366 | 26 | 0.28 | 31 | N-D | 4 | 9 | 100 | 70 | 85 | |
| 31 | 37 | 15 | 26 | 30 | 22 | 26 | 30 | 26 | 28 | 419 | 25 | 0.00 | 31 | 6 | | | 93 | 30 | 62 | |
| Month Mean | 44 | -07 | 23 | 32 | 21 | 26 | 31 | 25 | 28 | 16151 | 22 | 1.78 | | | | | 100 | 14 | 68 | |
| Month Mean | 29 | 16 | 23 | 30 | 23 | | 29 | 26 | | | | | | | | | 90 | 47 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|-----------------|--------------|----------------------|----------------------|---------------------|------------------|--------|------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | 5-7" | | | |
| 1 | 37 | 24 | 30 | | | | | | | | | | | | | | 96 | 36 | 66 | |
| 2 | 30 | 22 | 26 | | | | | | | | | | | | | | 92 | 46 | 69 | |
| 3 | 37 | 24 | 30 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 4 | 39 | 21 | 30 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 5 | 21 | 12 | 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 68 | 84 | |
| 6 | 24 | 14 | 19 | 32 | 23 | 27 | 30 | 27 | 29 | 2853 | 19 | 0.40 | 34 | N-D | | | 100 | 78 | 89 | |
| 7 | 25 | 13 | 19 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 8 | 31 | 14 | 22 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 9 | 14 | 02 | 08 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 10 | 24 | 04 | 14 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 11 | 26 | 00 | 13 | | | | | | | | | | | | | | 100 | 19 | 60 | |
| 12 | 18 | 01 | 10 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 74 | 87 | |
| 13 | 27 | 08 | 18 | 28 | 23 | 26 | 30 | 27 | 28 | 1797 | 11 | 0.75 | 38 | N-D | | | 99 | 14 | 56 | |
| 14 | 20 | 07 | 14 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 15 | 23 | 01 | 12 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 16 | 11 | 01 | 06 | | | | | | | | | | | | | | 90 | 60 | 75 | |
| 17 | 25 | 09 | 17 | | | | | | | | | | | | | | 74 | 24 | 49 | |
| 18 | 31 | 10 | 20 | | | | | | | | | | | | | | 100 | 16 | 58 | |
| 19 | 10 | -03 | 04 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 84 | 92 | |
| 20 | 03 | -06 | -02 | 28 | 18 | 23 | 28 | 24 | 26 | 2823 | 17 | 0.75 | 44 | N-D | | | 100 | 50 | 75 | |
| 21 | 08 | -10 | -01 | | | | | | | | | | | | | | 80 | 38 | 59 | |
| 22 | 29 | 01 | 15 | | | | | | | | | | | | | | 77 | 26 | 52 | |
| 23 | 27 | -02 | 12 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 24 | 19 | -09 | 05 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 25 | 23 | 10 | 16 | | | | | | | | | | | | | | 55 | 30 | 42 | |
| 26 | 32 | 16 | 16 | | | | | | | | | | | | | | 58 | 38 | 48 | |
| 27 | 36 | 22 | 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 2568 | 15 | ↓ | ↓ | ↓ | ↓ | ↓ | 66 | 36 | 51 | |
| 28 | 40 | 23 | 32 | 29 | 20 | 24 | 28 | 24 | 26 | 176 | 12 | 0.15 | 40 | N-D | | | 100 | 25 | 62 | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 40 | -10 | 16 | 32 | 18 | 25 | 30 | 24 | 27 | 10217 | 15 | 2.05 | | | | | 100 | 14 | 69 | |
| Month Mean | 25 | 08 | | 29 | 21 | | 29 | 26 | | | | | | | | | 92 | 46 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month March Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|-------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-------------|----------------------|--------------------|-----------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 7"-11" | 11-13" | | | |
| 1 | 28 | 13 | 20 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 2 | 16 | 08 | 12 | | | | | | | | | | | | | | | 96 | 28 | 62 |
| 3 | 10 | 01 | 06 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 4 | 19 | 03 | 11 | | | | | | | | | | | | | | | 94 | 58 | 76 |
| 5 | 31 | 15 | 23 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 72 | 24 | 48 | |
| 6 | 30 | 09 | 20 | 32 | 21 | 26 | 30 | 24 | 27 | 2255 | 15 | 0.25 | 43 | N-D | | | 90 | 36 | 63 | |
| 7 | 39 | 20 | 30 | | | | | | | | | | | | | | 62 | 22 | 42 | |
| 8 | 42 | 17 | 30 | | | | | | | | | | | | | | 75 | 21 | 48 | |
| 9 | 40 | 25 | 32 | | | | | | | | | | | | | | 75 | 31 | 53 | |
| 10 | 43 | 21 | 32 | | | | | | | | | | | | | | 79 | 18 | 48 | |
| 11 | 34 | 21 | 28 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 12 | 40 | 17 | 28 | | | | | | | | | | | | | | 66 | 22 | 44 | |
| 13 | 30 | 14 | 22 | 37 | 26 | 31 | 31 | 26 | 28 | 1771 | 10 | 0.00 | 41 | N-D | | | 100 | 44 | 72 | |
| 14 | 20 | 11 | 16 | | | | | | | | | | | | | | 89 | 34 | 62 | |
| 15 | 37 | 10 | 24 | | | | | | | | | | | | | | 50 | 13 | 32 | |
| 16 | 39 | 22 | 30 | | | | | | | | | | | | | | 76 | 23 | 50 | |
| 17 | 37 | 12 | 24 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 18 | 31 | 10 | 20 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 19 | 38 | 24 | 31 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 20 | 35 | 12 | 24 | 36 | 26 | 31 | 32 | 28 | 30 | 2627 | 16 | 0.10 | 41 | N-D | | | 100 | 42 | 71 | |
| 21 | 20 | 09 | 14 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 22 | 17 | 08 | 12 | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 23 | 23 | 14 | 18 | | | | | | | | | | | | | | 100 | 76 | 88 | |
| 24 | 40 | 20 | 30 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 25 | 47 | 21 | 34 | | | | | | | | | | | | | | 60 | 20 | 40 | |
| 26 | 43 | 26 | 34 | | | | | | | | | | | | | | 57 | 27 | 42 | |
| 27 | 49 | 23 | 36 | 42 | 26 | 34 | 32 | 28 | 30 | 2411 | 14 | 0.40 | 43 | N-D | | | 100 | 19 | 60 | |
| 28 | 54 | 30 | 42 | | | | | | | | | | | | | | 51 | 20 | 36 | |
| 29 | 46 | 28 | 37 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 30 | 28 | 18 | 23 | | | | | | | | | | | | | | 100 | 93 | 96 | |
| 31 | 31 | 16 | 24 | 45 | 31 | 38 | 36 | 32 | 34 | 565 | 6 | 1.45 | 60 | N-D | 9 | 9 | 100 | 47 | 74 | |
| Month Mean | 54 | 01 | 25 | 45 | 21 | 32 | 36 | 24 | 30 | 9629 | 13 | 2.20 | | | | | 100 | 13 | 62 | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min ② | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month April Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|-------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-------------|----------------------|--------------------|-----------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 7"-11" | 11-13" | | | |
| 1 | 35 | 17 | 26 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 2 | 28 | 10 | 19 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 66 | 83 | |
| 3 | 38 | 10 | 24 | 32 | 30 | 31 | 32 | 32 | 32 | 791 | 10 | 0.35 | 57 | 14 | | | 100 | 15 | 58 | |
| 4 | 34 | 19 | 26 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 5 | 40 | 12 | 26 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 6 | 36 | 20 | 28 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 7 | 33 | 11 | 22 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 8 | 25 | 07 | 16 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 9 | 20 | 09 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 48 | 74 | |
| 10 | 22 | 08 | 15 | 32 | 28 | 30 | 32 | 30 | 31 | 1023 | 6 | 0.60 | 57 | N-D | | | 100 | 42 | 71 | |
| 11 | 16 | 02 | 09 | | | | | | | | | | | | | | 100 | 76 | 88 | |
| 12 | 19 | 07 | 13 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 13 | 32 | 13 | 22 | | | | | | | | | | | | | | 85 | 23 | 54 | |
| 14 | 24 | 15 | 20 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 15 | 33 | 14 | 24 | | | | | | | | | | | | | | 75 | 23 | 49 | |
| 16 | 35 | 25 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 28 | 64 | |
| 17 | 37 | 06 | 22 | 30 | 26 | 28 | 31 | 28 | 30 | 2119 | 12 | 0.85 | 60 | N-D | | | 100 | 38 | 69 | |
| 18 | 29 | 08 | 18 | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 19 | 35 | 14 | 24 | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 20 | 47 | 23 | 35 | | | | | | | | | | | | | | 56 | 30 | 43 | |
| 21 | 52 | 32 | 42 | | | | | | | | | | | | | | 54 | 26 | 40 | |
| 22 | 56 | 33 | 44 | | | | | | | | | | | | | | 80 | 20 | 50 | |
| 23 | 46 | 30 | 38 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 42 | 71 | |
| 24 | 39 | 25 | 32 | 32 | 28 | 30 | 32 | 28 | 30 | 1003 | 6 | 1.10 | 55 | N-D | | | 74 | 16 | 45 | |
| 25 | 43 | 22 | 32 | | | | | | | | | | | | | | 72 | 15 | 44 | |
| 26 | 51 | 23 | 37 | | | | | | | | | | | | | | 78 | 20 | 49 | |
| 27 | 55 | 39 | 47 | | | | | | | | | | | | | | 50 | 17 | 34 | |
| 28 | 38 | 29 | 34 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 29 | 31 | 22 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 1094 | 9 | 0.35 | 52 | 19 | 15 | 13 | 100 | 52 | 76 | |
| 30 | 37 | 20 | 28 | 43 | 31 | 37 | 36 | 31 | 34 | 489 | 18 | 0.00 | 52 | N-D | | | 100 | 30 | 65 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 56 | 02 | 26 | 43 | 26 | 31 | 36 | 28 | 31 | 6519 | 9 | 3.25 | | | | | 100 | 15 | 62 | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min ② | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month May Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|--------------|----------------------|-------------|-------------|----------------------|---------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 28 | 16 | 22 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 2 | 29 | 15 | 22 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 3 | 26 | 16 | 21 | | | | | | | | | | | | | | | 100 | 61 | 80 |
| 4 | 29 | 13 | 21 | | | | | | | | | | | | | | | 100 | 62 | 81 |
| 5 | 40 | 07 | 24 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 6 | 50 | 27 | 38 | 36 | 32 | 34 | 34 | 32 | 33 | 1088 | 8 | 0.80 | 52 | N-D | | | 94 | 22 | 58 | |
| 7 | 51 | 28 | 40 | | | | | | | | | | | | | | 82 | 20 | 51 | |
| 8 | 54 | 34 | 44 | | | | | | | | | | | | | | 50 | 16 | 33 | |
| 9 | 41 | 22 | 32 | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 10 | 31 | 18 | 24 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 11 | 36 | 16 | 26 | | | | | | | | | | | | | | 100 | 17 | 58 | |
| 12 | 24 | 14 | 19 | | | | | | | | | | | | | | 100 | 84 | 92 | |
| 13 | 34 | 06 | 20 | 44 | 32 | 38 | 38 | 32 | 35 | 1150 | 7 | 0.25 | 50 | N-D | | | 100 | 43 | 72 | |
| 14 | 39 | 24 | 32 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 15 | 37 | 19 | 28 | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 16 | 31 | 26 | 28 | | | | | | | | | | | | | | 100 | 94 | 97 | |
| 17 | 39 | 23 | 31 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 18 | 40 | 27 | 34 | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 19 | 44 | 31 | 38 | | | | | | | | | | | | | | 96 | 39 | 68 | |
| 20 | 40 | 31 | 36 | 35 | 32 | 33 | 34 | 32 | 33 | 1107 | 7 | 2.20 | 57 | N-D | | | 100 | 58 | 79 | |
| 21 | 59 | 33 | 46 | | | | | | | | | | | | | | 100 | 15 | 58 | |
| 22 | 51 | 33 | 42 | | | | | | | | | | | | | | 83 | 29 | 56 | |
| 23 | 42 | 28 | 35 | | | | | | | | | | | | | | 100 | 72 | 86 | |
| 24 | 55 | 33 | 44 | | | | | | | | | | | | | | 100 | 10 | 55 | |
| 25 | 57 | 28 | 42 | | | | | | | | | | | | | | 100 | 14 | 57 | |
| 26 | 57 | 34 | 46 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 27 | 56 | 37 | 46 | 52 | 32 | 42 | 44 | 32 | 38 | 1324 | 8 | 0.55 | 41 | N-D | | | 100 | 40 | 70 | |
| 28 | 58 | 33 | 46 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 29 | 46 | 33 | 40 | | | | | | | 922 | 13 | | | | | | 100 | 12 | 56 | |
| 30 | 56 | 33 | 44 | | | | | | | 82 | 5 | 0.65 | 35 | N-D | 16 | 19 | 74 | 18 | 46 | |
| 31 | 57 | 29 | 43 | 50 | 38 | 44 | 44 | 40 | 43 | 5673 | 8 | 4.45 | | | | | 100 | 35 | 68 | |
| Month Mean | 59 | 06 | 34 | 52 | 32 | 38 | 44 | 32 | 36 | | | | | | | | 100 | 10 | 68 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month June Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|--------------|----------------------|-------------|-------------|----------------------|---------------------|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 60 | 36 | 48 | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 2 | 56 | 35 | 46 | | | | | | | | | | | | | | 100 | 15 | 58 | |
| 3 | 59 | 35 | 47 | 54 | 40 | 47 | 46 | 42 | 44 | 549 | 7 | 0.00 | 27 | N-D | | | 50 | 17 | 34 | |
| 4 | 53 | 31 | 42 | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 5 | 42 | 32 | 37 | | | | | | | | | | | | | | 100 | 70 | 85 | |
| 6 | 51 | 29 | 40 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 7 | 48 | 31 | 40 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 8 | 61 | 37 | 49 | | | | | | | | | | | | | | 88 | 14 | 51 | |
| 9 | 66 | 35 | 50 | | | | | | | | | | | | | | 100 | 19 | 60 | |
| 10 | 73 | 39 | 56 | 58 | 39 | 49 | 50 | 42 | 46 | 1123 | 7 | 0.45 | 12 | N-D | | | 100 | 07 | 54 | |
| 11 | 71 | 43 | 57 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 12 | 67 | 43 | 55 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 13 | 70 | 46 | 58 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 14 | 67 | 44 | 56 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 15 | 66 | 37 | 52 | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 16 | 64 | 37 | 50 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 17 | 70 | 50 | 60 | 64 | 48 | 56 | 55 | 49 | 52 | 1109 | 7 | 0.90 | 0 | N-D | 17 | 18 | 62 | 26 | 44 | |
| 18 | 67 | 43 | 55 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 19 | 47 | 38 | 42 | | | | | | | | | | | | | | 100 | 78 | 89 | |
| 20 | 60 | 37 | 48 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 21 | 66 | 34 | 50 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 22 | 66 | 38 | 52 | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 23 | 71 | 38 | 54 | | | | | | | | | | | | | | 100 | 14 | 57 | |
| 24 | 68 | 40 | 54 | 63 | 43 | 53 | 56 | 46 | 51 | 1206 | 7 | 1.00 | 0 | N-D | | | 100 | 16 | 58 | |
| 25 | 60 | 33 | 46 | | | | | | | | | | | | | | 100 | 12 | 56 | |
| 26 | 69 | 36 | 52 | | | | | | | | | | | | | | 100 | 07 | 54 | |
| 27 | 60 | 41 | 50 | | | | | | | | | | | | | | 100 | 08 | 54 | |
| 28 | 66 | 37 | 52 | | | | | | | | | | | | | | 100 | 10 | 55 | |
| 29 | 75 | 39 | 57 | | | | | | | | | | | | | | 48 | 10 | 29 | |
| 30 | 74 | 49 | 62 | 70 | 50 | 60 | 60 | 52 | 56 | 965 | 7 | 0.00 | 0 | N-D | 15 | 18 | 100 | 30 | 65 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 75 | 29 | 51 | 70 | 39 | 53 | 60 | 42 | 50 | 4952 | 7 | 2.35 | | | | | 100 | 07 | 59 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1953
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Total Depth | Inches Water Cont. | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|----------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|---------------|----------------------|------------------|--------------------|-------------------------|------------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | | 5-7" | 11-13" | Max | Min | Mean | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | | |
| 1 | 70 | 47 | 58 | | | | | | | | | | | | | | 100 | 22 | 61 | | | |
| 2 | | | | | | | | | | | | | | | | | 100 | 38 | 69 | | | |
| 3 | 73 | 39 | 56 | | | | | | | | | | | | | 81 | 20 | 50 | | | | |
| 4 | 74 | 43 | 58 | | | | | | | | | | | | | 88 | 40 | 64 | | | | |
| 5 | 63 | 43 | 53 | | | | | | | | | | | | | 77 | 20 | 48 | | | | |
| 6 | 71 | 46 | 58 | | | | | | | | | | | | | 100 | 28 | 64 | | | | |
| 7 | 68 | 43 | 56 | 72 | 54 | 62 | 62 | 56 | 59 | 1084 | 6 | 0.10 | 0 | N-D | | 100 | 28 | 64 | | | | |
| 8 | 74 | 42 | 58 | | | | | | | | | | | | | 100 | 16 | 58 | | | | |
| 9 | 69 | 44 | 56 | | | | | | | | | | | | | 100 | 22 | 61 | | | | |
| 10 | 67 | 46 | 56 | | | | | | | | | | | | | 100 | 34 | 67 | | | | |
| 11 | 56 | 39 | 48 | | | | | | | | | | | | | 100 | 68 | 84 | | | | |
| 12 | 65 | 35 | 50 | | | | | | | | | | | | | 100 | 24 | 62 | | | | |
| 13 | 66 | 40 | 53 | | | | | | | | | | | | | 100 | 29 | 64 | | | | |
| 14 | 68 | 44 | 56 | 72 | 48 | 60 | 62 | 54 | 58 | 863 | 5 | 0.90 | 0 | N-D | 14 | 19 | 100 | 34 | 67 | | | |
| 15 | 68 | 52 | 60 | | | | | | | | | | | | | 100 | 29 | 64 | | | | |
| 16 | 53 | 44 | 48 | | | | | | | | | | | | | 100 | 74 | 87 | | | | |
| 17 | 52 | 42 | 47 | | | | | | | | | | | | | 100 | 100 | 100 | | | | |
| 18 | 63 | 42 | 52 | | | | | | | | | | | | | 100 | 44 | 72 | | | | |
| 19 | 62 | 42 | 52 | | | | | | | | | | | | | 100 | 41 | 70 | | | | |
| 20 | 68 | 43 | 56 | | | | | | | | | | | | | 100 | 08 | 54 | | | | |
| 21 | 63 | 42 | 52 | 63 | 48 | 56 | 57 | 52 | 54 | 1080 | 6 | 0.95 | 0 | N-D | | 100 | 23 | 62 | | | | |
| 22 | 66 | 42 | 54 | | | | | | | | | | | | | 100 | 32 | 66 | | | | |
| 23 | 71 | 46 | 58 | | | | | | | | | | | | | 70 | 15 | 42 | | | | |
| 24 | 74 | 43 | 58 | | | | | | | | | | | | | 74 | 24 | 49 | | | | |
| 25 | 73 | 46 | 60 | | | | | | | | | | | | | 100 | 30 | 65 | | | | |
| 26 | 71 | 50 | 60 | | | | | | | | | | | | | 100 | 40 | 70 | | | | |
| 27 | 74 | 49 | 62 | | | | | | | | | | | | | 100 | 34 | 67 | | | | |
| 28 | 69 | 49 | 59 | 72 | 52 | 62 | 62 | 54 | 58 | 1179 | 7 | 0.15 | 0 | N-D | | 100 | 42 | 71 | | | | |
| 29 | 62 | 46 | 54 | | | | | | | | | | | | | 100 | 79 | 90 | | | | |
| 30 | 63 | 43 | 53 | | | | | | | | | | | | | 100 | 62 | 81 | | | | |
| 31 | 62 | 42 | 52 | 61 | 51 | 56 | 58 | 56 | 57 | 326 | 4 | 0.65 | 0 | N-D | 16 | 14 | 100 | 52 | 76 | | | |
| Month Mean | 74 | 35 | 55 | 72 | 48 | 59 | 62 | 52 | 57 | 4532 | 6 | 2.75 | | | | | 100 | 08 | 67 | | | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Utah Tube | Oven-Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1953
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Total Depth | Inches Water Cont. | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|----------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|---------------|----------------------|------------------|--------------------|-------------------------|------------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | | 5-7" | 11-13" | Max | Min | Mean | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | | |
| 1 | 59 | 48 | 54 | | | | | | | | | | | | | | 100 | 67 | 84 | | | |
| 2 | 56 | 45 | 50 | | | | | | | | | | | | | | 100 | 67 | 84 | | | |
| 3 | 64 | 42 | 53 | | | | | | | | | | | | | | 100 | 28 | 64 | | | |
| 4 | 68 | 41 | 54 | 63 | 48 | 56 | 58 | 53 | 55 | 452 | 5 | 0.75 | 0 | N-D | | 100 | 22 | 61 | | | | |
| 5 | 67 | 39 | 53 | | | | | | | | | | | | | 100 | 22 | 61 | | | | |
| 6 | 68 | 37 | 52 | | | | | | | | | | | | | 100 | 19 | 60 | | | | |
| 7 | 68 | 39 | 54 | | | | | | | | | | | | | 100 | 15 | 58 | | | | |
| 8 | 69 | 40 | 54 | | | | | | | | | | | | | 86 | 24 | 55 | | | | |
| 9 | 69 | 46 | 58 | | | | | | | | | | | | | 100 | 29 | 64 | | | | |
| 10 | 62 | 44 | 53 | | | | | | | | | | | | | 100 | 44 | 72 | | | | |
| 11 | 58 | 37 | 48 | 69 | 49 | 59 | 60 | 54 | 57 | 945 | 6 | 0.14 | 0 | N-D | | 100 | 34 | 67 | | | | |
| 12 | 67 | 34 | 50 | | | | | | | | | | | | | 100 | 08 | 54 | | | | |
| 13 | 70 | 36 | 53 | | | | | | | | | | | | | 100 | 10 | 55 | | | | |
| 14 | 68 | 42 | 55 | | | | | | | | | | | | | 100 | 36 | 68 | | | | |
| 15 | 63 | 40 | 52 | | | | | | | | | | | | | 100 | 45 | 72 | | | | |
| 16 | 63 | 37 | 50 | | | | | | | | | | | | | 100 | 38 | 69 | | | | |
| 17 | 68 | 41 | 54 | | | | | | | | | | | | | 100 | 25 | 62 | | | | |
| 18 | 64 | 38 | 51 | 70 | 50 | 60 | 61 | 54 | 58 | 896 | 5 | 0.11 | 0 | N-D | 16 | 11 | 100 | 40 | 70 | | | |
| 19 | 58 | 35 | 46 | | | | | | | | | | | | | 100 | 41 | 70 | | | | |
| 20 | 62 | 33 | 48 | | | | | | | | | | | | | 100 | 32 | 66 | | | | |
| 21 | 66 | 44 | 55 | | | | | | | | | | | | | 100 | 26 | 63 | | | | |
| 22 | 61 | 42 | 52 | | | | | | | | | | | | | 100 | 45 | 72 | | | | |
| 23 | 62 | 40 | 51 | | | | | | | | | | | | | 100 | 34 | 67 | | | | |
| 24 | 70 | 45 | 58 | | | | | | | | | | | | | 86 | 19 | 52 | | | | |
| 25 | 71 | 46 | 58 | 68 | 46 | 57 | 58 | 50 | 54 | 1046 | 6 | 0.77 | 0 | N-D | | 76 | 24 | 50 | | | | |
| 26 | 71 | 42 | 56 | | | | | | | | | | | | | 86 | 32 | 59 | | | | |
| 27 | 65 | 46 | 56 | | | | | | | | | | | | | 100 | 52 | 76 | | | | |
| 28 | 66 | 46 | 56 | | | | | | | | | | | | | 100 | 42 | 71 | | | | |
| 29 | 63 | 44 | 54 | | | | | | | | | | | | | 100 | 44 | 72 | | | | |
| 30 | 65 | 37 | 51 | | | | | | | | | | | | | 100 | 38 | 69 | | | | |
| 31 | 68 | 43 | 56 | 68 | 51 | 59 | 59 | 54 | 56 | 930 | 6 | 0.04 | 0 | N-D | 11 | 13 | 100 | 26 | 63 | | | |
| Month Mean | 71 | 33 | 53 | 70 | 46 | 58 | 61 | 50 | 56 | 4269 | 6 | 1.81 | | | | | 100 | 08 | 66 | | | |
| Month Mean | 65 | 41 | | 68 | 49 | | 59 | 53 | | | | | | | | | 98 | 33 | | | | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Utah Tube | Oven-Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|-----|------|--------------|-----|------|-------------------------------|--------------|-----------------|--------------|-------------|----------------------|--------------------|-----|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | Inches Water | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 68 | 45 | 56 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 2 | 61 | 34 | 48 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 3 | 43 | 28 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 85 | 92 | |
| 4 | 52 | 28 | 40 | 65 | 47 | 56 | 59 | 52 | 56 | 553 | 6 | 0.14 | 0 | N-D | | | 100 | 24 | 62 | |
| 5 | 60 | 35 | 48 | | | | | | | | | | | | | | 52 | 12 | 32 | |
| 6 | 62 | 31 | 46 | | | | | | | | | | | | | | 72 | 18 | 45 | |
| 7 | 65 | 33 | 49 | | | | | | | | | | | | | | 71 | 21 | 46 | |
| 8 | 62 | 39 | 50 | | | | | | | | | | | | | | 84 | 34 | 59 | |
| 9 | 61 | 39 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 34 | 67 | |
| 10 | 60 | 34 | 47 | 64 | 46 | 55 | 57 | 52 | 54 | 842 | 6 | 0.14 | 0 | N-D | | | 86 | 35 | 60 | |
| 11 | 63 | 33 | 48 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 12 | 67 | 40 | 54 | | | | | | | | | | | | | | 80 | 20 | 50 | |
| 13 | 65 | 39 | 52 | | | | | | | | | | | | | | 76 | 24 | 50 | |
| 14 | 68 | 36 | 52 | | | | | | | | | | | | | | 87 | 23 | 55 | |
| 15 | 62 | 38 | 50 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 16 | 61 | 44 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 60 | 29 | 44 | |
| 17 | 65 | 39 | 52 | 56 | 46 | 51 | 58 | 50 | 54 | 1244 | 7 | 0.19 | 0 | N-D | | | 50 | 23 | 36 | |
| 18 | 56 | 39 | 48 | | | | | | | | | | | | | | 98 | 16 | 57 | |
| 19 | 62 | 44 | 53 | | | | | | | | | | | | | | 36 | 22 | 29 | |
| 20 | 55 | 28 | 42 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 21 | 66 | 25 | 46 | | | | | | | | | | | | | | 100 | 12 | 56 | |
| 22 | 66 | 47 | 56 | | | | | | | | | | | | | | 46 | 21 | 34 | |
| 23 | 60 | 34 | 47 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 38 | 16 | 27 | |
| 24 | 59 | 29 | 44 | 62 | 45 | 53 | 55 | 49 | 52 | 1645 | 10 | 0.11 | 0 | N-D | | | 100 | 20 | 60 | |
| 25 | 63 | 29 | 46 | | | | | | | | | | | | | | 100 | 16 | 58 | |
| 26 | 64 | 37 | 50 | | | | | | | | | | | | | | 38 | 14 | 26 | |
| 27 | 66 | 46 | 56 | | | | | | | | | | | | | | 26 | 12 | 19 | |
| 28 | 61 | 33 | 47 | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 29 | 59 | 30 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 84 | 28 | 56 | |
| 30 | 64 | 32 | 48 | 61 | 44 | 52 | 55 | 48 | 52 | 1813 | 11 | 0.05 | 0 | N-D | 5 | 9 | 90 | 18 | 54 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 68 | 25 | 49 | 65 | 44 | 54 | 59 | 48 | 54 | 6097 | 8 | 0.63 | | | | | 100 | 12 | 52 | |
| Month Mean | 62 | 36 | | 62 | 46 | | 57 | 50 | | | | | | | | | 79 | 25 | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|-----|------|--------------|-----|------|-------------------------------|--------------|-----------------|--------------|-------------|----------------------|--------------------|-----|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | Inches Water | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 65 | 38 | 52 | | | | | | | | | | | | | 5 | 10 | 40 | 22 | 31 |
| 2 | 61 | 32 | 46 | | | | | | | | | | | | | | | 76 | 25 | 50 |
| 3 | 32 | 19 | 26 | | | | | | | | | | | | | | | 100 | 76 | 88 |
| 4 | 54 | 19 | 36 | | | | | | | | | | | | | | | 100 | 14 | 57 |
| 5 | 53 | 22 | 38 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 6 | 59 | 25 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 86 | 08 | 47 |
| 7 | 60 | 38 | 49 | 58 | 37 | 48 | 53 | 44 | 48 | 868 | 6 | 0.10 | 0 | N-D | | | 37 | 19 | 28 | |
| 8 | 60 | 34 | 47 | | | | | | | | | | | | | | | 54 | 24 | 39 |
| 9 | 63 | 32 | 48 | | | | | | | | | | | | | | | 62 | 20 | 41 |
| 10 | 64 | 31 | 48 | | | | | | | | | | | | | | | 64 | 20 | 42 |
| 11 | 62 | 33 | 48 | | | | | | | | | | | | | | | 54 | 21 | 38 |
| 12 | 54 | 32 | 43 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 13 | 45 | 35 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 77 | 88 |
| 14 | 48 | 29 | 38 | 56 | 40 | 48 | 50 | 44 | 47 | 713 | 4 | 0.20 | 0 | N-D | | | 100 | 64 | 82 | |
| 15 | 51 | 27 | 39 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 16 | 47 | 31 | 39 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 17 | 52 | 29 | 40 | | | | | | | | | | | | | | | 75 | 22 | 48 |
| 18 | 54 | 29 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 73 | 26 | 50 |
| 19 | 56 | 29 | 42 | 50 | 38 | 44 | 48 | 41 | 44 | 1150 | 10 | 0.05 | 0 | N-D | | | 74 | 24 | 49 | |
| 20 | 48 | 32 | 40 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 21 | 36 | 27 | 32 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 22 | 30 | 20 | 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 100 | 100 |
| 23 | 29 | 19 | 24 | 50 | 36 | 44 | 45 | 40 | 42 | 558 | 6 | 0.20 | T | N-D | | | 100 | 100 | 100 | |
| 24 | 28 | 19 | 24 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 25 | 31 | 17 | 24 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 26 | 37 | 17 | 27 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 27 | 40 | 28 | 34 | | | | | | | | | | | | | | | 84 | 53 | 68 |
| 28 | 50 | 25 | 38 | | | | | | | | | | | | | | | 79 | 26 | 52 |
| 29 | 53 | 34 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 48 | 18 | 33 |
| 30 | 47 | 27 | 37 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 30 | 65 |
| 31 | 47 | 32 | 40 | 43 | 32 | 37 | 41 | 38 | 39 | 1531 | 9 | 0.35 | T | N-D | | | 100 | 30 | 65 | |
| Month Mean | 65 | 17 | 38 | 58 | 32 | 44 | 53 | 38 | 44 | 5208 | 7 | 0.90 | | | | | 53 | 33 | 43 | |
| Month Mean | 49 | 28 | | 52 | 36 | | 47 | 41 | | | | | | | | | 83 | 37 | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 54 | 31 | 42 | | | | | | | | | | | | 13 | 10 | 57 | 25 | 41 |
| 2 | 49 | 28 | 38 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 3 | 41 | 27 | 34 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 4 | 32 | 18 | 25 | | | | | | | | | | | | | | 100 | 93 | 97 |
| 5 | 37 | 18 | 28 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 6 | 31 | 20 | 26 | 46 | 34 | 40 | 41 | 38 | 40 | 504 | 4 | 0.60 | 6 | N-D | | | 100 | 60 | 80 |
| 7 | 27 | 10 | 18 | | | | | | | | | | | | | | 97 | 40 | 68 |
| 8 | 41 | 11 | 26 | | | | | | | | | | | | | | 56 | 18 | 37 |
| 9 | 43 | 29 | 36 | | | | | | | | | | | | | | 24 | 16 | 20 |
| 10 | 44 | 32 | 38 | | | | | | | | | | | | | | 21 | 10 | 16 |
| 11 | 48 | 27 | 38 | | | | | | | | | | | | | | 67 | 11 | 39 |
| 12 | 47 | 25 | 36 | | | | | | | | | | | | | | 80 | 22 | 51 |
| 13 | 51 | 29 | 40 | 40 | 32 | 36 | 38 | 34 | 36 | 1729 | 10 | 0.00 | 1 | N-D | | | 80 | 36 | 58 |
| 14 | 48 | 30 | 39 | | | | | | | | | | | | | | 64 | 36 | 50 |
| 15 | 45 | 32 | 38 | | | | | | | | | | | | | | 70 | 36 | 53 |
| 16 | 49 | 26 | 38 | | | | | | | | | | | | | | | | |
| 17 | 42 | 26 | 34 | | | | | | | | | | | | | | | | |
| 18 | 27 | 06 | 16 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 19 | 11 | 01 | 06 | | | | | | | | | | | | | | | | |
| 20 | 24 | 01 | 12 | 42 | 33 | 38 | 38 | 34 | 36 | 1314 | 8 | 0.50 | 8 | N-D | | | 100 | 48 | 74 |
| 21 | 18 | -03 | 08 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 22 | 26 | 10 | 18 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 23 | 28 | 17 | 22 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 24 | 22 | 16 | 19 | | | | | | | | | | | | | | 100 | 75 | 88 |
| 25 | 30 | 18 | 24 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 26 | 31 | 26 | 28 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 27 | 37 | 27 | 32 | 34 | 28 | 31 | 36 | 32 | 34 | 3142 | 19 | 1.90 | 17 | N-U | | | 100 | 58 | 79 |
| 28 | 32 | 25 | 28 | | | | | | | | | | | | | | 90 | 34 | 62 |
| 29 | 32 | 26 | 29 | | | | | | | | | | | | | | 64 | 36 | 50 |
| 30 | 43 | 25 | 34 | 32 | 29 | 31 | 35 | 32 | 34 | 1525 | 22 | 0.05 | N-D | N-D | 11 | 10 | 48 | 14 | 31 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 54 | -03 | 28 | 46 | 28 | 35 | 41 | 32 | 36 | 8214 | 12 | 3.05 | | | | | 100 | 10 | 61 |
| Month Mean | 36 | 20 | | 39 | 31 | | 38 | 34 | | | | | | | | | 84 | 39 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 32 | 13 | 22 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 2 | 18 | 12 | 15 | | | | | | | | | | | | | | 100 | 94 | 97 |
| 3 | 15 | 08 | 12 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 4 | 26 | 09 | 18 | 30 | 25 | 28 | 33 | 31 | 32 | 1118 | 11 | 0.10 | 14 | N-D | | | 100 | 44 | 72 |
| 5 | 15 | 05 | 10 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 6 | 25 | 10 | 18 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 7 | 27 | 10 | 18 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 8 | 12 | 01 | 06 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 9 | 26 | 01 | 14 | | | | | | | | | | | | | | 91 | 42 | 66 |
| 10 | 29 | 03 | 16 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 11 | 26 | -06 | 10 | 28 | 18 | 23 | 31 | 26 | 29 | 3240 | 19 | 0.50 | | N-D | | | 100 | 33 | 66 |
| 12 | 28 | 15 | 22 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 13 | 20 | 13 | 16 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 26 | 14 | 20 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 15 | 25 | 21 | 23 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 16 | 28 | 21 | 24 | 28 | 20 | 24 | 29 | 27 | 28 | 3048 | 25 | 0.10 | N-D | N-D | | | 100 | 78 | 89 |
| 17 | 32 | 23 | 28 | | | | | | | | | | | | | | 94 | 44 | 69 |
| 18 | 32 | 25 | 28 | | | | | | | | | | | | | | 78 | 50 | 64 |
| 19 | 30 | 24 | 27 | | | | | | | | | | | | | | 84 | 56 | 70 |
| 20 | 28 | 11 | 20 | | | | | | | | | | | | | | 100 | 71 | 86 |
| 21 | 13 | -04 | 04 | | | | | | | | | | | | | | 100 | 62 | 81 |
| 22 | 07 | -11 | -02 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 23 | 31 | -05 | 13 | 29 | 22 | 26 | 30 | 27 | 28 | 2251 | 14 | 0.60 | N-D | N-D | | | 100 | 16 | 58 |
| 24 | 41 | 08 | 24 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 25 | 30 | 10 | 20 | | | | | | | | | | | | | | 70 | 24 | 47 |
| 26 | 27 | 10 | 18 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 27 | 15 | 00 | 08 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 28 | 33 | 10 | 22 | | | | | | | | | | | | | | 94 | 24 | 59 |
| 29 | 18 | 07 | 12 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 30 | 21 | 07 | 14 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 31 | 33 | 20 | 26 | 26 | 17 | 22 | 29 | 24 | 26 | 587 | 31 | 0.10 | 12 | | | 56 | 22 | 39 | |
| Month Mean | 41 | -11 | 17 | 30 | 17 | 24 | 33 | 24 | 29 | 14209 | 19 | 1.70 | | | | 100 | 16 | 70 | |
| Month Mean | 25 | 09 | | 28 | 20 | | 30 | 27 | | | | | | | | | 96 | 45 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month January Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|------------------------------|-------------------|------|--|----|----|--------------|----|----------------------|---------------------------------|-------------------------|---------------|----------------------|--------------------|-------------------|------|-----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | Total Miles | Avg. Vel. mph | 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 07 | -01 | 03 | | | | | | | | | | | | 100 | 100 | 100 | |
| 2 | 11 | -03 | 04 | | | | | | | | | | | | 100 | 100 | 100 | |
| 3 | 12 | 08 | 10 | | | | | | | | | | | | 100 | 100 | 100 | |
| 4 | 11 | 07 | 09 | | | | | | | | | | | | 100 | 100 | 100 | |
| 5 | 13 | 08 | 10 | | | | | | | | | | | | 100 | 100 | 100 | |
| 6 | 16 | 09 | 12 | | | | | | | | | | | | 100 | 82 | 91 | |
| 7 | 14 | 07 | 10 | 17 | 12 | 14 | 17 | 14 | 16 | 5067 | 30 | 0.60 | 0 | | 100 | 71 | 86 | |
| 8 | 17 | 09 | 13 | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 32 | 16 | 24 | | | | | | | | | | | | 100 | 43 | 72 | |
| 10 | 26 | 19 | 22 | 21 | 14 | 18 | 19 | 15 | 17 | 2502 | 37 | 0.20 | 1 | | 100 | 84 | 92 | |
| 11 | 30 | 20 | 25 | | | | | | | | | | | | 100 | 50 | 75 | |
| 12 | 28 | 18 | 23 | | | | | | | | | | | | 100 | 52 | 76 | |
| 13 | 20 | 17 | 18 | | | | | | | | | | | | 100 | 64 | 82 | |
| 14 | 19 | 06 | 12 | | | | | | | | | | | | 100 | 87 | 94 | |
| 15 | 06 | 00 | 03 | | | | | | | | | | | | 100 | 30 | 65 | |
| 16 | 15 | 02 | 08 | | | | | | | | | | | | 100 | 27 | 64 | |
| 17 | 14 | 06 | 10 | 22 | 14 | 18 | 21 | 16 | 18 | 4804 | 28 | 0.35 | 0 | | 100 | 100 | 100 | |
| 18 | 19 | 14 | 16 | | | | | | | | | | | | 100 | 100 | 100 | |
| 19 | 19 | 08 | 14 | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 22 | 08 | 15 | | | | | | | | | | | | 100 | 74 | 87 | |
| 21 | 21 | 05 | 13 | | | | | | | | | | | | 100 | 85 | 92 | |
| 22 | 10 | 01 | 06 | | | | | | | | | | | | 100 | 82 | 91 | |
| 23 | 16 | 06 | 11 | | | | | | | | | | | | 100 | 100 | 100 | |
| 24 | 23 | 13 | 18 | 20 | 14 | 17 | 19 | 16 | 17 | 4361 | 26 | 1.30 | 2 | | 100 | 30 | 65 | |
| 25 | 24 | 18 | 21 | | | | | | | | | | | | 100 | 28 | 64 | |
| 26 | 23 | 15 | 19 | | | | | | | | | | | | 100 | 72 | 86 | |
| 27 | 15 | -02 | 06 | | | | | | | | | | | | 100 | 80 | 90 | |
| 28 | 14 | 01 | 08 | | | | | | | | | | | | 100 | 48 | 74 | |
| 29 | 15 | 10 | 12 | | | | | | | | | | | | 100 | 100 | 100 | |
| 30 | 13 | 07 | 10 | | | | | | | | | | | | 100 | 100 | 100 | |
| 31 | 22 | 06 | 14 | 20 | 14 | 17 | 20 | 16 | 18 | 5359 | 34 | 0.40 | T | 39 | 15 | 100 | 61 | 80 |
| Month Mean | 32 | -03 | 13 | 22 | 12 | 17 | 21 | 14 | 17 | 22093 | 30 | 2.85 | | | | 100 | 27 | 88 |
| Key | Thermograph (Bourdon Tube) ① | Avg. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) ② | 6" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Avg. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month February Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|------------------------------|-------------------|------|--|----|----|--------------|----|----------------------|---------------------------------|-------------------------|---------------|----------------------|--------------------|-------------------|------|-----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | Total Miles | Avg. Vel. mph | 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 22 | 15 | 18 | | | | | | | | | | | | 100 | 58 | 79 | |
| 2 | 17 | 12 | 14 | | | | | | | | | | | | 100 | 86 | 93 | |
| 3 | 22 | 15 | 18 | | | | | | | | | | | | 100 | 94 | 97 | |
| 4 | 24 | 09 | 16 | | | | | | | | | | | | 100 | 80 | 90 | |
| 5 | 09 | 02 | 05 | | | | | | | | | | | | 100 | 100 | 100 | |
| 6 | 12 | 05 | 08 | | | | | | | | | | | | 100 | 100 | 100 | |
| 7 | 18 | 05 | 12 | 21 | 14 | 18 | 20 | 16 | 18 | 5535 | 33 | 0.65 | 0 | | 100 | 50 | 75 | |
| 8 | 19 | 07 | 13 | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 11 | -01 | 05 | | | | | | | | | | | | 100 | 100 | 100 | |
| 10 | 14 | 01 | 08 | | | | | | | | | | | | 100 | 100 | 100 | |
| 11 | 13 | 00 | 06 | | | | | | | | | | | | 100 | 93 | 96 | |
| 12 | 10 | 02 | 06 | | | | | | | | | | | | 100 | 40 | 70 | |
| 13 | 13 | 02 | 08 | | | | | | | | | | | | 100 | 58 | 79 | |
| 14 | 14 | -01 | 06 | 18 | 12 | 15 | 18 | 15 | 17 | 3039 | 18 | 0.25 | 0 | | 100 | 29 | 64 | |
| 15 | 17 | -08 | 04 | | | | | | | | | | | | 100 | 70 | 85 | |
| 16 | -01 | -08 | -04 | | | | | | | | | | | | 100 | 82 | 91 | |
| 17 | 12 | -01 | 06 | | | | | | | | | | | | 100 | 100 | 100 | |
| 18 | 18 | 02 | 10 | | | | | | | | | | | | 100 | 50 | 75 | |
| 19 | 02 | -12 | -05 | | | | | | | | | | | | 100 | 32 | 66 | |
| 20 | -10 | -15 | -12 | | | | | | | | | | | | 100 | 100 | 100 | |
| 21 | -07 | -15 | -11 | 16 | 06 | 11 | 16 | 09 | 12 | 4054 | 24 | 0.30 | 0 | | 100 | 100 | 100 | |
| 22 | 15 | -07 | 04 | | | | | | | | | | | | 100 | 81 | 90 | |
| 23 | 18 | 02 | 10 | | | | | | | | | | | | 100 | 42 | 71 | |
| 24 | 12 | 02 | 07 | | | | | | | | | | | | 100 | 42 | 71 | |
| 25 | 07 | -01 | 03 | | | | | | | | | | | | 100 | 59 | 80 | |
| 26 | 15 | 05 | 10 | | | | | | | | | | | | 100 | 61 | 80 | |
| 27 | 20 | 10 | 15 | | | | | | | | | | | | 100 | 85 | 92 | |
| 28 | 24 | 14 | 19 | 14 | 06 | 10 | 18 | 08 | 13 | 4118 | 24 | 0.10 | 0 | 23 | 17 | 100 | 75 | 88 |
| 29 | | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| Month Mean | 24 | -15 | 07 | 21 | 06 | 14 | 20 | 08 | 15 | 16746 | 25 | 1.30 | | | 100 | 29 | 85 | |
| Key | Thermograph (Bourdon Tube) ① | Avg. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) ② | 6" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Avg. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month March Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------------------|-------------|-------------------|------|--------|-----|-----|
| | Max | Min | Mean | 5-7 inches Max | 5-7 inches Min | 5-7 inches Mean | 11-13 inches Max | 11-13 inches Min | | | 11-13 inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min |
| 1 | 19 | 06 | 12 | | | | | | | | | | | | 100 | 89 | 94 |
| 2 | 06 | -02 | 02 | | | | | | | | | | | | 100 | 94 | 97 |
| 3 | 00 | -09 | -04 | | | | | | | | | | | | 100 | 100 | 100 |
| 4 | 07 | -07 | 00 | | | | | | | | | | | | 100 | 100 | 100 |
| 5 | 14 | 05 | 10 | | | | | | | | | | | | 100 | 56 | 78 |
| 6 | 17 | 07 | 12 | | | | | | | | | | | | 100 | 77 | 88 |
| 7 | 24 | 10 | 17 | 18 | 11 | 14 | 17 | 12 | 15 | 4100 | 24 | 0.60 | 0 | | 100 | 32 | 66 |
| 8 | 33 | 17 | 25 | | | | | | | | | | | | 91 | 27 | 59 |
| 9 | 26 | 17 | 22 | | | | | | | | | | | | 100 | 56 | 78 |
| 10 | 29 | 16 | 22 | | | | | | | | | | | | 100 | 43 | 72 |
| 11 | 20 | 12 | 16 | | | | | | | | | | | | 100 | 60 | 80 |
| 12 | 27 | 12 | 20 | | | | | | | | | | | | 100 | 38 | 69 |
| 13 | 19 | 05 | 12 | | | | | | | | | | | | 100 | 44 | 72 |
| 14 | 08 | 01 | 04 | 23 | 15 | 19 | 21 | 14 | 18 | 2955 | 18 | 0.05 | T | | 100 | 59 | 80 |
| 15 | 23 | 05 | 14 | | | | | | | | | | | | 78 | 26 | 52 |
| 16 | 26 | 11 | 18 | | | | | | | | | | | | 100 | 49 | 74 |
| 17 | 23 | 02 | 12 | | | | | | | | | | | | 100 | 58 | 79 |
| 18 | 18 | 01 | 09 | | | | | | | | | | | | 100 | 47 | 74 |
| 19 | 22 | 16 | 19 | | | | | | | | | | | | 100 | 76 | 88 |
| 20 | 20 | 01 | 10 | | | | | | | | | | | | 100 | 73 | 86 |
| 21 | 07 | -02 | 02 | 21 | 15 | 18 | 20 | 16 | 18 | 3983 | 24 | 0.30 | T | | 100 | 100 | 100 |
| 22 | 07 | -01 | 03 | | | | | | | | | | | | 100 | 100 | 100 |
| 23 | 14 | 05 | 08 | | | | | | | | | | | | 100 | 100 | 100 |
| 24 | 25 | 12 | 18 | | | | | | | | | | | | 100 | 40 | 70 |
| 25 | 35 | 25 | 30 | | | | | | | | | | | | 62 | 43 | 52 |
| 26 | 34 | 20 | 27 | | | | | | | | | | | | 100 | 48 | 74 |
| 27 | 36 | 24 | 30 | | | | | | | | | | | | 74 | 34 | 54 |
| 28 | 41 | 27 | 34 | | | | | | | 4330 | 25 | 0.40 | 0 | | 60 | 34 | 47 |
| 29 | 33 | 21 | 27 | | | | | | | | | | | | 100 | 55 | 78 |
| 30 | 22 | 13 | 18 | | | | | | | | | | | | 100 | 100 | 100 |
| 31 | 16 | 13 | 14 | 27 | 14 | 20 | 26 | 15 | 20 | 1073 | 15 | 0.80 | T | 23 | 18 | 100 | 100 |
| Month Mean | 41 | -09 | 15 | 27 | 11 | 18 | 26 | 12 | 18 | 16441 | 22 | 2.15 | | | 100 | 26 | 79 |
| Key | 21 | 09 | 15 | 22 | 14 | 18 | 21 | 15 | 18 | | | | | | 96 | 63 | 81 |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month April Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------------------|-------------|-------------------|------|--------|-----|-----|------|
| | Max | Min | Mean | 5-7 inches Max | 5-7 inches Min | 5-7 inches Mean | 11-13 inches Max | 11-13 inches Min | | | 11-13 inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 21 | 11 | 16 | | | | | | | | | | | | 100 | 39 | 70 | |
| 2 | 18 | 09 | 16 | | | | | | | | | | | | 100 | 72 | 86 | |
| 3 | 23 | 07 | 15 | | | | | | | | | | | | 100 | 42 | 71 | |
| 4 | 21 | 11 | 16 | 24 | 20 | 22 | 25 | 21 | 23 | 2151 | 23 | 0.15 | T | | 100 | 100 | 100 | |
| 5 | 26 | 10 | 18 | | | | | | | | | | | | 100 | 38 | 69 | |
| 6 | 21 | 13 | 17 | | | | | | | | | | | | 100 | 100 | 100 | |
| 7 | 18 | 05 | 16 | | | | | | | | | | | | 100 | 60 | 80 | |
| 8 | 15 | 02 | 08 | | | | | | | | | | | | 100 | 53 | 76 | |
| 9 | 07 | 00 | 04 | | | | | | | | | | | | 100 | 100 | 100 | |
| 10 | 14 | -03 | 06 | | | | | | | | | | | | 100 | 100 | 100 | |
| 11 | 06 | -04 | 01 | 24 | 18 | 21 | 24 | 18 | 21 | 2282 | 14 | 0.85 | 13 | | 100 | 100 | 100 | |
| 12 | 06 | -02 | 02 | | | | | | | | | | | | 100 | 100 | 100 | |
| 13 | 15 | 04 | 10 | | | | | | | | | | | | 100 | 60 | 80 | |
| 14 | 12 | 05 | 08 | | | | | | | | | | | | 100 | 81 | 90 | |
| 15 | 18 | 05 | 12 | | | | | | | | | | | | 100 | 54 | 77 | |
| 16 | 24 | 15 | 20 | | | | | | | | | | | | 100 | 51 | 76 | |
| 17 | 26 | 13 | 20 | | | | | | | | | | | | 100 | 46 | 73 | |
| 18 | 15 | 09 | 12 | 22 | 15 | 18 | 21 | 17 | 19 | 3404 | 20 | 0.25 | 5 | | 100 | 100 | 100 | |
| 19 | 25 | 08 | 16 | | | | | | | | | | | | 100 | 46 | 73 | |
| 20 | 33 | 23 | 28 | | | | | | | | | | | | 97 | 46 | 72 | |
| 21 | 39 | 27 | 33 | | | | | | | | | | | | 89 | 56 | 72 | |
| 22 | 47 | 29 | 38 | | | | | | | | | | | | 100 | 33 | 66 | |
| 23 | 36 | 18 | 27 | | | | | | | | | | | | 100 | 65 | 82 | |
| 24 | 26 | 13 | 20 | | | | | | | | | | | | 100 | 30 | 65 | |
| 25 | 30 | 11 | 20 | 28 | 18 | 24 | 27 | 19 | 23 | 3719 | 22 | 0.30 | 0 | | 100 | 24 | 62 | |
| 26 | 40 | 25 | 32 | | | | | | | | | | | | 67 | 38 | 52 | |
| 27 | 43 | 28 | 36 | | | | | | | | | | | | 94 | 34 | 64 | |
| 28 | 28 | 22 | 35 | | | | | | | | | | | | 100 | 87 | 94 | |
| 29 | 22 | 12 | 17 | | | | | | | | | | | | 100 | 100 | 100 | |
| 30 | 22 | 10 | 16 | 30 | 24 | 27 | 28 | 25 | 27 | 2501 | 21 | 0.50 | T | 21 | 14 | 100 | 71 | 86 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month Mean | 47 | -04 | 17 | 30 | 15 | 22 | 28 | 17 | 23 | 14057 | 20 | 2.05 | | | 100 | 24 | 81 | |
| Key | 23 | 11 | 17 | 26 | 19 | 22 | 25 | 20 | 23 | | | | | | 98 | 64 | 81 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month May Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|-----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | | | |
| 1 | 13 | 05 | 09 | | | | | | | | | | | | | | | | | | | | |
| 2 | 14 | 05 | 10 | | | | | | | | | | | | | | | | | | | | |
| 3 | 20 | 07 | 14 | | | | | | | | | | | | | | | | | | | | |
| 4 | 24 | 08 | 16 | | | | | | | | | | | | | | | | | | | | |
| 5 | 27 | 09 | 18 | | | | | | | | | | | | | | | | | | | | |
| 6 | 41 | 21 | 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | | | | |
| 7 | 43 | 27 | 35 | 29 | 22 | 26 | 28 | 23 | 26 | 2275 | 14 | 0.25 | 0 | | | | | | | | | | |
| 8 | 39 | 26 | 32 | | | | | | | | | | | | | | | 81 | 30 | 56 | | | |
| 9 | 27 | 12 | 20 | | | | | | | | | | | | | | | 100 | 36 | 68 | | | |
| 10 | 15 | 08 | 12 | | | | | | | | | | | | | | | 100 | 100 | 100 | | | |
| 11 | 22 | 06 | 14 | | | | | | | | | | | | | | | 100 | 34 | 67 | | | |
| 12 | 22 | 05 | 14 | | | | | | | | | | | | | | | 100 | 100 | 100 | | | |
| 13 | 21 | 12 | 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 100 | 74 | 87 | | | |
| 14 | 26 | 17 | 22 | 31 | 28 | 30 | 30 | 27 | 28 | 2519 | 15 | 0.20 | T | | | | | 100 | 80 | 90 | | | |
| 15 | 24 | 18 | 21 | | | | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 16 | 24 | 19 | 22 | | | | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 17 | 31 | 18 | 24 | | | | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 18 | 31 | 20 | 26 | | | | | | | | | | | | | | | | 100 | 87 | 94 | | |
| 19 | 30 | 21 | 26 | | | | | | | | | | | | | | | | 100 | 81 | 90 | | |
| 20 | 28 | 21 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 100 | 100 | | |
| 21 | 44 | 25 | 34 | 35 | 28 | 32 | 29 | 27 | 28 | 2379 | 14 | 2.20 | 14 | | | | | | 100 | 34 | 67 | | |
| 22 | 41 | 23 | 32 | | | | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 23 | 46 | 21 | 34 | | | | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 24 | 41 | 34 | 38 | | | | | | | | | | | | | | | | 46 | 34 | 40 | | |
| 25 | 46 | 27 | 36 | | | | | | | | | | | | | | | | 77 | 24 | 50 | | |
| 26 | 45 | 34 | 40 | | | | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 27 | 43 | 31 | 37 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 42 | 71 | | |
| 28 | 43 | 32 | 38 | 34 | 28 | 31 | 32 | 27 | 30 | 2291 | 14 | 0.75 | 0 | | | | | | 100 | 49 | 74 | | |
| 29 | 35 | 24 | 30 | | | | | | | | | | | | | | | | 100 | 24 | 62 | | |
| 30 | 42 | 22 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 31 | 66 | | |
| 31 | 44 | 32 | 38 | 32 | 30 | 32 | 32 | 31 | 32 | 1261 | 17 | 0.15 | 0 | | | | | | 33 | 18 | 81 | 34 | 58 |
| Month | 46 | 05 | 26 | 35 | 22 | 30 | 32 | 23 | 29 | 10725 | 14 | 3.55 | | | | | | | 100 | 24 | 77 | | |
| Month Mean | 32 | 19 | 26 | 32 | 27 | 30 | 30 | 27 | 30 | | | | | | | | | | 95 | 58 | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month June Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|-----|----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | | | |
| 1 | 45 | 36 | 40 | | | | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 2 | 40 | 29 | 34 | | | | | | | | | | | | | | | | | 78 | 17 | 48 | |
| 3 | 45 | 26 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 36 | 19 | 28 | |
| 4 | 40 | 28 | 34 | 36 | 32 | 34 | 36 | 32 | 34 | 1371 | 14 | 0.00 | 0 | | | | | | | 100 | 35 | 68 | |
| 5 | 34 | 27 | 31 | | | | | | | | | | | | | | | | | 100 | 57 | 78 | |
| 6 | 37 | 26 | 32 | | | | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 7 | 34 | 25 | 30 | | | | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 8 | 50 | 28 | 39 | | | | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 9 | 54 | 39 | 47 | | | | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 10 | 59 | 45 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 58 | 22 | 40 | | |
| 11 | 57 | 42 | 50 | 46 | 32 | 39 | 38 | 32 | 35 | 1874 | 11 | 0.65 | 0 | | | | | | | 100 | 42 | 71 | |
| 12 | 59 | 43 | 51 | | | | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 13 | 59 | 45 | 52 | | | | | | | | | | | | | | | | | 80 | 37 | 58 | |
| 14 | 55 | 46 | 50 | | | | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 15 | 56 | 35 | 46 | | | | | | | | | | | | | | | | | 83 | 25 | 54 | |
| 16 | 55 | 36 | 46 | | | | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 17 | 57 | 43 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 62 | N-D | 62 | 32 | 47 |
| 18 | 57 | 39 | 48 | 45 | 32 | 38 | 40 | 32 | 36 | 2212 | 13 | 1.05 | 0 | | | | | | | 100 | 46 | 73 | |
| 19 | 40 | 30 | 35 | | | | | | | | | | | | | | | | | 100 | 69 | 84 | |
| 20 | 46 | 31 | 38 | | | | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 21 | 52 | 37 | 44 | | | | | | | | | | | | | | | | | 51 | 29 | 40 | |
| 22 | 54 | 40 | 47 | | | | | | | | | | | | | | | | | 51 | 28 | 40 | |
| 23 | 58 | 44 | 51 | | | | | | | | | | | | | | | | | 35 | 20 | 28 | |
| 24 | 54 | 34 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 66 | 21 | 44 | |
| 25 | 48 | 30 | 39 | 46 | 35 | 40 | 44 | 36 | 40 | 1909 | 11 | 1.10 | 0 | | | | | | | 94 | 27 | 60 | |
| 26 | 56 | 39 | 46 | | | | | | | | | | | | | | | | | 73 | 20 | 46 | |
| 27 | 53 | 36 | 44 | | | | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 28 | 53 | 35 | 44 | | | | | | | | | | | | | | | | | 100 | 17 | 58 | |
| 29 | 61 | 46 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 36 | 16 | 26 | |
| 30 | 60 | 46 | 53 | 48 | 40 | 44 | 44 | 40 | 42 | 1225 | 10 | 0.00 | 0 | | | | | | | 84 | 37 | 60 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | |
| Month | 61 | 25 | 44 | 48 | 32 | 39 | 44 | 32 | 37 | 8591 | 12 | 2.80 | | | | | | | | 100 | 16 | 57 | |
| Month Mean | 51 | 36 | 44 | 44 | 34 | 40 | 40 | 34 | 37 | | | | | | | | | | | 83 | 31 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month July Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 57 | 45 | 51 | | | | | | | | | | | | | | | 76 | 38 | 57 |
| 2 | 56 | 40 | 48 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 3 | 59 | 44 | 52 | | | | | | | | | | | | | | | 30 | 17 | 24 |
| 4 | 59 | 44 | 52 | | | | | | | | | | | | | | | 43 | 21 | 32 |
| 5 | 50 | 44 | 47 | | | | | | | | | | | | | | | 83 | 20 | 52 |
| 6 | 56 | 42 | 49 | | | | | | | | | | | | | | | 77 | 28 | 52 |
| 7 | 59 | 42 | 50 | 50 | 44 | 47 | 46 | 43 | 45 | 1769 | 11 | 0.05 | 0 | | | | 100 | 24 | 62 | |
| 8 | 61 | 43 | 52 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 9 | 62 | 41 | 52 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 10 | 57 | 36 | 46 | | | | | | | | | | | | | | | 100 | 44 | 72 |
| 11 | 45 | 35 | 40 | | | | | | | | | | | | | | | 100 | 55 | 78 |
| 12 | 52 | 36 | 44 | | | | | | | | | | | | | | | 68 | 37 | 52 |
| 13 | 52 | 42 | 47 | | | | | | | | | | | | | | | 80 | 39 | 60 |
| 14 | 54 | 43 | 48 | 53 | 43 | 48 | 49 | 44 | 46 | 1525 | 9 | 1.50 | 0 | 54 | 22 | | 85 | 48 | 66 | |
| 15 | 52 | 40 | 46 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 16 | 43 | 36 | 40 | | | | | | | | | | | | | | | 100 | 78 | 89 |
| 17 | 45 | 35 | 40 | | | | | | | | | | | | | | | 100 | 70 | 85 |
| 18 | 49 | 39 | 44 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 19 | 51 | 39 | 45 | | | | | | | | | | | | | | | 96 | 44 | 70 |
| 20 | 54 | 43 | 48 | | | | | | | | | | | | | | | 60 | 30 | 45 |
| 21 | 58 | 42 | 50 | 48 | 42 | 45 | 46 | 42 | 44 | 1410 | 8 | 0.75 | 0 | | | | 100 | 27 | 64 | |
| 22 | 53 | 41 | 47 | | | | | | | | | | | | | | | 80 | 42 | 61 |
| 23 | 59 | 43 | 51 | | | | | | | | | | | | | | | 54 | 26 | 40 |
| 24 | 61 | 46 | 54 | | | | | | | | | | | | | | | 42 | 33 | 38 |
| 25 | 59 | 46 | 52 | | | | | | | | | | | | | | | 72 | 42 | 57 |
| 26 | 58 | 45 | 52 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 27 | 60 | 44 | 52 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 28 | 55 | 42 | 48 | 52 | 43 | 48 | 48 | 43 | 46 | 1703 | 10 | 0.45 | 0 | | | | 100 | 59 | 80 | |
| 29 | 53 | 41 | 47 | | | | | | | | | | | | | | | 100 | 60 | 80 |
| 30 | 50 | 41 | 46 | | | | | | | | | | | | | | | 100 | 57 | 78 |
| 31 | 49 | 39 | 44 | 50 | 44 | 47 | 47 | 44 | 46 | 574 | 8 | 1.25 | 0 | 40 | 20 | | 100 | 72 | 86 | |
| Month | 62 | 35 | 48 | 53 | 42 | 47 | 49 | 42 | 45 | 6981 | 9 | 4.00 | | | | | 100 | 17 | 63 | |
| Month Mean | 54 | 41 | | 51 | 43 | | 47 | 43 | | | | | | | | | 85 | 41 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%
at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month August Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|-----|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 48 | 39 | 44 | | | | | | | | | | | | | | | 100 | 75 | 88 |
| 2 | 47 | 37 | 42 | | | | | | | | | | | | | | | 100 | 70 | 85 |
| 3 | 50 | 37 | 44 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 4 | 52 | 41 | 46 | 48 | 43 | 46 | 46 | 44 | 45 | 1069 | 11 | 1.10 | 0 | | | | 78 | 36 | 57 | |
| 5 | 53 | 40 | 46 | | | | | | | | | | | | | | | 76 | 30 | 53 |
| 6 | 55 | 39 | 47 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 7 | 55 | 39 | 47 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 8 | 55 | 40 | 48 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 9 | 54 | 36 | 45 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 10 | 47 | 32 | 40 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 11 | 47 | 32 | 40 | 50 | 42 | 46 | 47 | 44 | 45 | 1946 | 12 | 0.30 | 0 | | | | 100 | 35 | 68 | |
| 12 | 53 | 36 | 44 | | | | | | | | | | | | | | | 68 | 22 | 45 |
| 13 | 57 | 43 | 50 | | | | | | | | | | | | | | | 33 | 28 | 30 |
| 14 | 54 | 37 | 46 | | | | | | | | | | | | | | | 100 | 25 | 63 |
| 15 | 50 | 34 | 42 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 16 | 51 | 37 | 44 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 17 | 52 | 37 | 44 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 18 | 50 | 35 | 42 | 52 | 42 | 47 | 48 | 44 | 46 | 1610 | 10 | 0.40 | 0 | 36 | 26 | | 100 | 46 | 73 | |
| 19 | 44 | 34 | 39 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 20 | 51 | 36 | 44 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 21 | 51 | 37 | 44 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 22 | 45 | 33 | 39 | | | | | | | | | | | | | | | 100 | 73 | 86 |
| 23 | 47 | 32 | 40 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 24 | 56 | 38 | 47 | | | | | | | | | | | | | | | 61 | 28 | 44 |
| 25 | 57 | 42 | 50 | 48 | 40 | 44 | 46 | 42 | 44 | 1917 | 11 | 1.20 | 0 | | | | 56 | 34 | 45 | |
| 26 | 56 | 40 | 48 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 27 | 50 | 37 | 44 | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 28 | 51 | 35 | 43 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 29 | 51 | 35 | 43 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 30 | 51 | 39 | 45 | | | | | | | | | | | | | | | 94 | 40 | 67 |
| 31 | 52 | 39 | 46 | 48 | 42 | 45 | 46 | 44 | 45 | 1920 | 11 | 0.30 | 0 | 36 | 14 | | 100 | 35 | 68 | |
| Month | 57 | 32 | 44 | 52 | 40 | 46 | 48 | 42 | 45 | 8462 | 11 | 3.30 | | | | | 100 | 22 | 68 | |
| Month Mean | 51 | 37 | | 49 | 42 | | 47 | 43 | | | | | | | | | 92 | 43 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month September Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|------------------------------|----------------------|------|--|----------------|-----------------|------------------|------------------|----------------------|-------------------------------|-------------------------|------------|----------------------|--------------------|----------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches Max | 5-7 inches Min | 5-7 inches Mean | 11-13 inches Max | 11-13 inches Min | | | 11-13 inches Mean | 5-7" 5-7" | 5-7" 11-13" | 11-13" 11-13" | Max | Min | Mean | |
| 1 | 55 | 39 | 47 | | | | | | | | | | | | 95 | 36 | 66 | |
| 2 | 48 | 33 | 40 | | | | | | | | | | | | 100 | 36 | 68 | |
| 3 | 41 | 28 | 34 | | | | | | | | | | | | 100 | 30 | 65 | |
| 4 | 43 | 27 | 35 | 48 | 40 | 44 | 46 | 42 | 44 | 1389 | 15 | 0.30 | 0 | | 70 | 33 | 52 | |
| 5 | 46 | 32 | 39 | | | | | | | | | | | | 52 | 23 | 38 | |
| 6 | 53 | 38 | 46 | | | | | | | | | | | | 53 | 21 | 37 | |
| 7 | 54 | 39 | 46 | | | | | | | | | | | | 62 | 34 | 48 | |
| 8 | 51 | 36 | 44 | | | | | | | | | | | | 73 | 44 | 58 | |
| 9 | 50 | 36 | 43 | | | | | | | | | | | | 100 | 46 | 73 | |
| 10 | 51 | 32 | 42 | 48 | 40 | 44 | 45 | 41 | 43 | 1716 | 12 | 0.10 | 0 | | 100 | 34 | 67 | |
| 11 | 51 | 36 | 44 | | | | | | | | | | | | 62 | 36 | 49 | |
| 12 | 55 | 38 | 46 | | | | | | | | | | | | 56 | 28 | 42 | |
| 13 | 53 | 39 | 46 | | | | | | | | | | | | 55 | 35 | 45 | |
| 14 | 54 | 39 | 46 | | | | | | | | | | | | 57 | 30 | 44 | |
| 15 | 57 | 38 | 48 | | | | | | | | | | | | 100 | 34 | 67 | |
| 16 | 48 | 36 | 42 | | | | | | | | | | | | 80 | 43 | 62 | |
| 17 | 48 | 29 | 38 | 48 | 40 | 44 | 46 | 42 | 44 | 2041 | 12 | 0.00 | 0 | | 100 | 40 | 70 | |
| 18 | 41 | 28 | 34 | | | | | | | | | | | | 98 | 22 | 60 | |
| 19 | 45 | 31 | 38 | | | | | | | | | | | | 54 | 30 | 42 | |
| 20 | 48 | 30 | 39 | | | | | | | | | | | | 95 | 23 | 59 | |
| 21 | 52 | 36 | 44 | | | | | | | | | | | | 46 | 24 | 35 | |
| 22 | 51 | 39 | 45 | | | | | | | | | | | | 54 | 32 | 43 | |
| 23 | 44 | 33 | 38 | | | | | | | | | | | | 50 | 24 | 37 | |
| 24 | 44 | 30 | 37 | 44 | 38 | 41 | 43 | 40 | 42 | 3576 | 22 | 0.05 | 0 | | 50 | 28 | 39 | |
| 25 | 48 | 34 | 41 | | | | | | | | | | | | 34 | 22 | 28 | |
| 26 | 50 | 36 | 43 | | | | | | | | | | | | 28 | 18 | 23 | |
| 27 | 53 | 38 | 46 | | | | | | | | | | | | 28 | 18 | 22 | |
| 28 | 46 | 23 | 34 | | | | | | | | | | | | 100 | 23 | 62 | |
| 29 | 44 | 25 | 34 | | | | | | | | | | | | 100 | 28 | 64 | |
| 30 | 50 | 32 | 41 | 44 | 37 | 40 | 42 | 39 | 40 | 2904 | 17 | 0.30 | 0 | 21 | 16 | 40 | 14 | 27 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 57 | 23 | 41 | 48 | 37 | 43 | 46 | 39 | 42 | 11626 | 15 | 0.75 | | | 100 | 14 | 50 | |
| Month Mean | 49 | 34 | | 46 | 39 | | 44 | 41 | | | | | | | 70 | 30 | | |
| Key | Thermograph (Bourdon Tube) ① | Average of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Average of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month October Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|------------------------------|----------------------|------|--|----------------|-----------------|------------------|------------------|----------------------|-------------------------------|-------------------------|------------|----------------------|--------------------|----------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches Max | 5-7 inches Min | 5-7 inches Mean | 11-13 inches Max | 11-13 inches Min | | | 11-13 inches Mean | 5-7" 5-7" | 5-7" 11-13" | 11-13" 11-13" | Max | Min | Mean | |
| 1 | 51 | 36 | 44 | | | | | | | | | | | | 31 | 19 | 25 | |
| 2 | 47 | 25 | 36 | | | | | | | | | | | | 79 | 25 | 52 | |
| 3 | 32 | 17 | 24 | | | | | | | | | | | | 100 | 07 | 54 | |
| 4 | 44 | 24 | 34 | | | | | | | | | | | | 70 | 05 | 38 | |
| 5 | 46 | 28 | 37 | | | | | | | | | | | | 54 | 17 | 36 | |
| 6 | 44 | 31 | 38 | | | | | | | | | | | | 31 | 16 | 24 | |
| 7 | 44 | 30 | 37 | | | | | | | 1565 | 11 | 0.05 | 0 | | 42 | 26 | 34 | |
| 8 | 46 | 34 | 40 | | | | | | | | | | | | 38 | 28 | 33 | |
| 9 | 47 | 35 | 41 | | | | | | | | | | | | 36 | 24 | 30 | |
| 10 | 48 | 35 | 42 | | | | | | | | | | | | 34 | 20 | 27 | |
| 11 | 48 | 35 | 42 | | | | | | | | | | | | 33 | 22 | 28 | |
| 12 | 40 | 28 | 34 | | | | | | | | | | | | 100 | 24 | 62 | |
| 13 | 32 | 24 | 28 | | | | | | | | | | | | 100 | 84 | 92 | |
| 14 | 31 | 25 | 28 | 43 | 35 | 39 | 42 | 36 | 39 | 1844 | 11 | 0.10 | T | | 100 | 58 | 79 | |
| 15 | 35 | 24 | 30 | | | | | | | | | | | | 100 | 55 | 78 | |
| 16 | 30 | 21 | 26 | | | | | | | | | | | | 100 | 44 | 72 | |
| 17 | 36 | 24 | 30 | | | | | | | 1313 | 18 | 0.55 | T | | 67 | 20 | 44 | |
| 18 | 41 | 29 | 35 | | | | | | | | | | | | 63 | 35 | 49 | |
| 19 | 43 | 30 | 36 | | | | | | | | | | | | 54 | 26 | 40 | |
| 20 | 34 | 20 | 27 | | | | | | | | | | | | 100 | 53 | 76 | |
| 21 | 22 | 15 | 18 | | | | | | | | | | | | 100 | 72 | 86 | |
| 22 | 25 | 14 | 20 | | | | | | | | | | | | 100 | 100 | 100 | |
| 23 | 26 | 15 | 20 | | | | | | | | | | | | 100 | 74 | 87 | |
| 24 | 19 | 10 | 14 | | | | | | | | | | | | 100 | 46 | 73 | |
| 25 | 19 | 10 | 14 | | | | | | | | | | | | 100 | 100 | 100 | |
| 26 | 22 | 10 | 16 | | | | | | | | | | | | 100 | 69 | 84 | |
| 27 | 25 | 18 | 22 | | | | | | | | | | | | 100 | 27 | 64 | |
| 28 | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | 43 | 21 | 32 | 36 | 30 | 33 | 37 | 31 | 34 | 6000 | 17 | 0.45 | T | 25 | 22 | 75 | 20 | 48 |
| Month | 51 | 10 | 30 | 43 | 30 | 36 | 42 | 31 | 37 | 10850 | 15 | 1.15 | | | 100 | 05 | 58 | |
| Month Mean | 36 | 24 | | 40 | 32 | | 40 | 34 | | | | | | | 76 | 40 | | |
| Key | Thermograph (Bourdon Tube) ① | Average of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Average of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" =
 at 11-13" =

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month November Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | |
| 1 | 43 | 30 | 36 | | | | | | | | | | | | | | | | | | |
| 2 | 35 | 22 | 28 | | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 3 | 28 | 22 | 25 | | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 4 | 24 | 19 | 22 | | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 5 | 25 | 15 | 20 | | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 6 | 18 | 08 | 13 | | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 7 | 12 | 06 | 09 | | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 8 | 26 | 12 | 19 | | | | | | | | | | | | | | | 34 | 16 | 25 | |
| 9 | 36 | 21 | 26 | | | | | | | | | | | | | | | 24 | 15 | 20 | |
| 10 | 31 | 24 | 28 | | | | | | | | | | | | | | | 21 | 10 | 16 | |
| 11 | 32 | 26 | 29 | | | | | | | | | | | | | | | 58 | 09 | 34 | |
| 12 | | | | | | | | | | | | | | | | | | 70 | 32 | 51 | |
| 13 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | | |
| 14 | 37 | 26 | 32 | 32 | 26 | 29 | 33 | 29 | 31 | 5996 | 19 | 0.60 | 0 | | | | | | | | |
| 15 | 30 | 22 | 26 | | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 16 | 35 | 21 | 28 | | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 17 | 27 | 20 | 24 | | | | | | | | | | | | | | | 78 | 36 | 57 | |
| 18 | 23 | -02 | 10 | | | | | | | | | | | | | | | 100 | 61 | 80 | |
| 19 | | | | | | | | | | | | | | | | | | | | | |
| 20 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 21 | 11 | -05 | 3 | | | | | | | 3029 | 18 | 0.00 | 2 | | | | N-D | N-D | N-D | | |
| 22 | 15 | -05 | 5 | | | | | | | | | | | | | | | | | | |
| 23 | 17 | 06 | 12 | | | | | | | | | | | | | | | | | | |
| 24 | 11 | 06 | 08 | | | | | | | | | | | | | | | | | | |
| 25 | 19 | 09 | 14 | | | | | | | | | | | | | | | | | | |
| 26 | 20 | 16 | 18 | | | | | | | | | | | | | | | | | | |
| 27 | 21 | 16 | 18 | | | | | | | | | | | | | | | | | | |
| 28 | 18 | 13 | 16 | | | | | | | | | | | | | | | | | | |
| 29 | 20 | 15 | 18 | | | | | | | | | | | | | | | | | | |
| 30 | 29 | 19 | 24 | 30 | 19 | 24 | 31 | 22 | 27 | 7448 | 34 | 2.50 | T | | | | 24 | 22 | N-D | N-D | N-D |
| 31 | | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 43 | -05 | 20 | 32 | 19 | 27 | 33 | 22 | 29 | 16473 | 24 | 3.10 | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month December Year 1953

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|-----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | |
| 1 | 22 | 06 | 14 | | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 2 | 15 | 04 | 10 | | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 3 | 04 | -03 | 00 | | | | | | | | | | | | | | | | | | |
| 4 | 12 | 00 | 06 | | | | | | | 2423 | 20 | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | | |
| 12 | 16 | -10 | 03 | | | | | | | 4853 | 29 | 0.20 | T | | | | | 100 | 54 | 77 | |
| 13 | 07 | 00 | 04 | | | | | | | | | | | | | | | 100 | 68 | 84 | |
| 14 | 15 | 00 | 08 | | | | | | | | | | | | | | | 100 | 63 | 82 | |
| 15 | 12 | 10 | 11 | | | | | | | | | | | | | | | 100 | 98 | 99 | |
| 16 | 15 | 10 | 12 | | | | | | | | | | | | | | | 100 | 98 | 99 | |
| 17 | 17 | 10 | 14 | 24 | 13 | 19 | 25 | 16 | 20 | 3809 | 32 | 0.80 | T | | | | 100 | 78 | 89 | | |
| 18 | 17 | 13 | 15 | | | | | | | | | | | | | | | 100 | 82 | 91 | |
| 19 | 17 | 12 | 14 | | | | | | | | | | | | | | | 100 | 83 | 92 | |
| 20 | 17 | 00 | 08 | | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 21 | 02 | -10 | -04 | | | | | | | | | | | | | | | 98 | 90 | 94 | |
| 22 | 00 | -11 | -06 | | | | | | | | | | | | | | | 94 | 48 | 72 | |
| 23 | 18 | 00 | 09 | | | | | | | | | | | | | | | 71 | 19 | 45 | |
| 24 | 23 | 09 | 16 | | | | | | | | | | | | | | | 72 | 52 | 62 | |
| 25 | 14 | 08 | 11 | | | | | | | | | | | | | | | 60 | 28 | 44 | |
| 26 | | | | | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 27 | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | |
| 30 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | | |
| 31 | 12 | -05 | 04 | 20 | 10 | 15 | 20 | 12 | 16 | 8256 | 25 | 0.20 | 2 | | | | 15 | 12 | 100 | 42 | 71 |
| Month Mean | 23 | -11 | 08 | 24 | 10 | 17 | 25 | 12 | 18 | 19341 | 26 | 1.30 | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month January Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|----------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|---------------|--------------|----------------------|-----------------------|-------------------------|------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" N-D | 11-13" N-D | Max | Min | Mean | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | |
| 1 | 44 | 30 | 37 | | | | | | | | | | | | | | 42 | 24 | 33 | | |
| 2 | 44 | 22 | 33 | | | | | | | | | | | | | | 47 | 27 | 37 | | |
| 3 | 49 | 28 | 38 | | | | | | | | | | | | | | 69 | 20 | 44 | | |
| 4 | 43 | 21 | 32 | | | | | | | | | | | | | | 61 | 35 | 48 | | |
| 5 | 45 | 33 | 39 | | | | | | | | | | | | | | 55 | 46 | 50 | | |
| 6 | 56 | 37 | 46 | | | | | | | | | | | | | | 52 | 21 | 36 | | |
| 7 | 54 | 38 | 46 | | | | | | | | | | | | | | 47 | 33 | 40 | | |
| 8 | 44 | 21 | 32 | 33 | 32 | 32 | 35 | 33 | 34 | 1947 | 10 | 0.00 | 6 | | | | 78 | 40 | 59 | | |
| 9 | 24 | 11 | 18 | | | | | | | | | | | | | | 100 | 70 | 85 | | |
| 10 | 36 | 09 | 22 | | | | | | | | | | | | | | 97 | 30 | 64 | | |
| 11 | 30 | 11 | 20 | | | | | | | | | | | | | | 82 | 33 | 58 | | |
| 12 | 17 | 07 | 12 | | | | | | | | | | | | | | 100 | 77 | 88 | | |
| 13 | 38 | 12 | 25 | | | | | | | | | | | | | | 100 | 27 | 64 | | |
| 14 | 43 | 21 | 32 | | | | | | | | | | | | | | 52 | 32 | 42 | | |
| 15 | 46 | 29 | 38 | 32 | 30 | 31 | 34 | 32 | 33 | 796 | 5 | 0.10 | 6 | | | | 52 | 32 | 42 | | |
| 16 | 50 | 30 | 40 | | | | | | | | | | | | | | 71 | 25 | 48 | | |
| 17 | 58 | 34 | 46 | | | | | | | | | | | | | | 47 | 08 | 28 | | |
| 18 | 45 | 34 | 40 | | | | | | | | | | | | | | 60 | 32 | 46 | | |
| 19 | 44 | 22 | 33 | | | | | | | | | | | | | | 100 | 53 | 76 | | |
| 20 | 21 | -04 | 08 | | | | | | | | | | | | | | 100 | 85 | 92 | | |
| 21 | 45 | 01 | 23 | | | | | | | | | | | | | | 100 | 25 | 62 | | |
| 22 | 54 | 28 | 41 | 31 | 28 | 30 | 33 | 31 | 32 | 1439 | 8 | 0.00 | 6 | | | | 39 | 12 | 26 | | |
| 23 | 53 | 31 | 42 | | | | | | | | | | | | | | 87 | 22 | 54 | | |
| 24 | 51 | 32 | 42 | | | | | | | | | | | | | | 71 | 30 | 50 | | |
| 25 | 51 | 14 | 32 | | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 26 | 34 | 09 | 22 | | | | | | | | | | | | | | 100 | 35 | 62 | | |
| 27 | 47 | 23 | 35 | | | | | | | | | | | | | | 46 | 21 | 34 | | |
| 28 | 51 | 35 | 43 | | | | | | | | | | | | | | 59 | 36 | 48 | | |
| 29 | 51 | 23 | 37 | | | | | | | | | | | | | | 100 | 45 | 73 | | |
| 30 | 51 | 28 | 40 | | | | | | | 1577 | 8 | 0.30 | 8 | | | | 100 | 31 | 66 | | |
| 31 | 60 | 28 | 44 | 32 | 28 | 30 | 34 | 30 | 32 | 158 | 6 | | 8 | | | | 80 | 15 | 48 | | |
| Month Mean | 60 | -04 | 34 | 33 | 28 | 31 | 35 | 30 | 18 | 5917 | 8 | 0.40 | | | | | 100 | 08 | 54 | | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygrometer (Hair) | Av. of Max & Min | | | | | | | |

① Instruments located in standard Weather Bureau Shelter
② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month February Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | |
|------------|----------------------------|------------------|--|---------------|-----|------|--------------|-----|-------------------------------|---------------|--------------|----------------------|-----------------------|-------------------------|------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" N-D | 11-13" N-D | Max | Min | Mean | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | |
| 1 | 47 | 27 | 37 | | | | | | | | | | | | | | 81 | 31 | 56 | | |
| 2 | 56 | 35 | 46 | | | | | | | | | | | | | | 30 | 14 | 22 | | |
| 3 | 63 | 38 | 50 | | | | | | | | | | | | | | 29 | 17 | 23 | | |
| 4 | 57 | 34 | 46 | | | | | | | | | | | | | | 44 | 26 | 35 | | |
| 5 | 56 | 30 | 43 | 32 | 32 | 32 | 34 | 32 | 32 | 959 | 8 | 0.00 | 3 | | | | 80 | 26 | 53 | | |
| 6 | 46 | 24 | 35 | | | | | | | | | | | | | | 93 | 41 | 67 | | |
| 7 | 57 | 33 | 45 | | | | | | | | | | | | | | 45 | 15 | 30 | | |
| 8 | 70 | 40 | 55 | | | | | | | | | | | | | | 39 | 20 | 30 | | |
| 9 | 67 | 35 | 51 | | | | | | | | | | | | | | 34 | 11 | 22 | | |
| 10 | 55 | 20 | 38 | | | | | | | | | | | | | | 85 | 22 | 54 | | |
| 11 | 42 | 15 | 28 | | | | | | | | | | | | | | 97 | 52 | 74 | | |
| 12 | 59 | 39 | 49 | 32 | 30 | 31 | 34 | 32 | 33 | 1122 | 7 | 0.00 | T | | | | 66 | 20 | 43 | | |
| 13 | 59 | 41 | 50 | | | | | | | | | | | | | | 57 | 20 | 38 | | |
| 14 | 53 | 31 | 42 | | | | | | | | | | | | | | 70 | 43 | 56 | | |
| 15 | 43 | 26 | 34 | | | | | | | | | | | | | | 87 | 38 | 62 | | |
| 16 | 49 | 27 | 38 | | | | | | | | | | | | | | 55 | 21 | 38 | | |
| 17 | 56 | 27 | 42 | | | | | | | | | | | | | | 57 | 33 | 45 | | |
| 18 | 57 | 29 | 43 | | | | | | | | | | | | | | 100 | 18 | 59 | | |
| 19 | 38 | 20 | 29 | 32 | 31 | 32 | 34 | 32 | 33 | 1482 | 9 | 0.00 | T | | | | 80 | 23 | 52 | | |
| 20 | 45 | 20 | 32 | | | | | | | | | | | | | | 61 | 41 | 51 | | |
| 21 | 52 | 29 | 40 | | | | | | | | | | | | | | 61 | 35 | 48 | | |
| 22 | 41 | 27 | 34 | | | | | | | | | | | | | | 100 | 33 | 66 | | |
| 23 | 52 | 29 | 40 | | | | | | | | | | | | | | 54 | 35 | 44 | | |
| 24 | 55 | 30 | 42 | | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 25 | 49 | 22 | 36 | | | | | | | | | | | | | | 100 | 32 | 66 | | |
| 26 | 48 | 18 | 33 | | | | | | | | | | | | | | 100 | 32 | 66 | | |
| 27 | 32 | 10 | 21 | | | | | | | 2565 | 13 | 0.20 | 6 | | | | 100 | 56 | 78 | | |
| 28 | 44 | 13 | 28 | 36 | 31 | 32 | 35 | 32 | 34 | 182 | 8 | 0.00 | 3 | | | | 64 | 31 | 48 | | |
| 29 | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 70 | 10 | 39 | 36 | 30 | 32 | 35 | 32 | 33 | 6301 | 10 | 0.20 | | | | | 100 | 11 | 50 | | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygrometer (Hair) | Av. of Max & Min | | | | | | | |

① Instruments located in standard Weather Bureau Shelter
② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month March Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------------------|--------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | Total Miles | Av. Vel. mph | Max | Min | Mean | Max | Min | Mean |
| 1 | 30 | 04 | 17 | | | | | | | | | | | | | 100 | 52 | 76 |
| 2 | 11 | -06 | 02 | | | | | | | | | | | | | | | |
| 3 | 28 | -06 | 11 | | | | | | | | | | | | | | | |
| 4 | 37 | 09 | 23 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 94 | 33 | 64 | |
| 5 | 45 | 08 | 26 | 32 | 32 | 32 | 34 | 32 | 34 | 594 | 5 | 0.60 | 8 | | 36 | 27 | 29 | |
| 6 | 60 | 31 | 45 | | | | | | | | | | | | 29 | 10 | 20 | |
| 7 | 50 | 22 | 36 | | | | | | | | | | | | 97 | 27 | 62 | |
| 8 | 55 | 22 | 38 | | | | | | | | | | | | 97 | 27 | 62 | |
| 9 | 61 | 38 | 50 | | | | | | | | | | | | 98 | 40 | 69 | |
| 10 | 59 | 38 | 48 | | | | | | | | | | | | 57 | 33 | 45 | |
| 11 | 46 | 23 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 33 | 66 | | |
| 12 | 28 | 07 | 18 | 39 | 32 | 35 | 38 | 32 | 35 | 1421 | 8 | 0.00 | 0 | | 100 | 38 | 69 | |
| 13 | 31 | 05 | 18 | | | | | | | | | | | | 100 | 47 | 74 | |
| 14 | 39 | 10 | 24 | | | | | | | | | | | | 89 | 43 | 66 | |
| 15 | 45 | 18 | 32 | | | | | | | | | | | | 85 | 38 | 62 | |
| 16 | 54 | 28 | 41 | | | | | | | | | | | | 67 | 28 | 48 | |
| 17 | 60 | 28 | 44 | | | | | | | | | | | | 56 | 19 | 38 | |
| 18 | 35 | 25 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 51 | 39 | 45 | | |
| 19 | 45 | 23 | 34 | 43 | 14 | 28 | 37 | 16 | 26 | 1213 | 7 | 0.00 | 0 | | 100 | 48 | 74 | |
| 20 | 41 | 24 | 32 | | | | | | | | | | | | 100 | 53 | 76 | |
| 21 | 42 | 28 | 35 | | | | | | | | | | | | 92 | 54 | 73 | |
| 22 | 31 | 22 | 26 | | | | | | | | | | | | 100 | 80 | 90 | |
| 23 | 32 | 25 | 28 | | | | | | | | | | | | 100 | 88 | 94 | |
| 24 | 38 | 20 | 29 | | | | | | | | | | | | 99 | 29 | 64 | |
| 25 | 36 | 16 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 45 | 72 | | |
| 26 | 47 | 17 | 32 | 40 | 33 | 36 | 38 | 34 | 36 | 488 | 3 | 0.50 | 0 | | 96 | 23 | 60 | |
| 27 | 46 | 29 | 38 | | | | | | | | | | | | 57 | 35 | 46 | |
| 28 | 56 | 17 | 36 | | | | | | | | | | | | 100 | 22 | 61 | |
| 29 | 49 | 11 | 30 | | | | | | | | | | | | 100 | 34 | 67 | |
| 30 | 20 | 03 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 98 | 77 | 88 | | |
| 31 | 38 | 03 | 20 | 46 | 34 | 40 | 42 | 35 | 38 | 946 | 8 | 0.40 | 3 | 11 | 94 | 34 | 64 | |
| Month Mean | 61 | -06 | 30 | 46 | 14 | 34 | 42 | 16 | 34 | 4546 | 5 | 1.50 | | | 100 | 10 | 63 | |
| Month Mean | 42 | 18 | | 40 | 29 | | 38 | 30 | | | | | | | 86 | 40 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month April Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------------------|--------------|-----|-------------------|------|-----|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | Total Miles | Av. Vel. mph | Max | Min | Mean | Max | Min | Mean |
| 1 | 49 | 28 | 38 | | | | | | | | | | | | 42 | 22 | 32 | |
| 2 | 61 | 35 | 48 | | | | | | | 562 | 12 | 0.00 | 0 | | 50 | 13 | 32 | |
| 3 | 65 | 39 | 52 | | | | | | | | | | | | 40 | 08 | 24 | |
| 4 | 70 | 42 | 56 | | | | | | | | | | | | 27 | 13 | 20 | |
| 5 | 64 | 44 | 54 | | | | | | | | | | | | 30 | 15 | 22 | |
| 6 | 68 | 36 | 52 | | | | | | | | | | | | 58 | 14 | 36 | |
| 7 | 55 | 27 | 41 | | | | | | | | | | | | 88 | 17 | 52 | |
| 8 | 65 | 28 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 66 | 23 | 44 | | |
| 9 | 63 | 40 | 52 | 54 | 33 | 44 | 46 | 34 | 40 | 1224 | 7 | 0.10 | 0 | | 54 | 27 | 40 | |
| 10 | 55 | 30 | 42 | | | | | | | | | | | | 82 | 45 | 64 | |
| 11 | 55 | 32 | 44 | | | | | | | | | | | | 100 | 48 | 74 | |
| 12 | 58 | 28 | 43 | | | | | | | | | | | | 100 | 42 | 71 | |
| 13 | 71 | 42 | 56 | | | | | | | | | | | | 60 | 18 | 39 | |
| 14 | 63 | 35 | 49 | | | | | | | | | | | | 64 | 30 | 47 | |
| 15 | 43 | 26 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 23 | 62 | | |
| 16 | 66 | 33 | 50 | 58 | 37 | 48 | 48 | 42 | 45 | 1035 | 6 | 0.00 | 0 | | 35 | 17 | 26 | |
| 17 | 70 | 45 | 58 | | | | | | | | | | | | 32 | 16 | 24 | |
| 18 | 74 | 33 | 54 | | | | | | | | | | | | 100 | 16 | 58 | |
| 19 | 68 | 29 | 48 | | | | | | | | | | | | 100 | 17 | 58 | |
| 20 | 71 | 32 | 52 | | | | | | | | | | | | 91 | 18 | 54 | |
| 21 | 46 | 25 | 36 | | | | | | | | | | | | 100 | 45 | 72 | |
| 22 | 68 | 26 | 47 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 85 | 11 | 48 | | |
| 23 | 75 | 44 | 60 | 58 | 37 | 48 | 50 | 42 | 46 | 1339 | 8 | 0.00 | 0 | 5 | 34 | 10 | 22 | |
| 24 | 68 | 42 | 55 | | | | | | | | | | | | 53 | 32 | 42 | |
| 25 | 70 | 41 | 56 | | | | | | | | | | | | 100 | 25 | 62 | |
| 26 | 69 | 43 | 56 | | | | | | | | | | | | 60 | 20 | 40 | |
| 27 | 70 | 40 | 55 | | | | | | | | | | | | 65 | 30 | 48 | |
| 28 | 73 | 33 | 53 | | | | | | | | | | | | 90 | 10 | 50 | |
| 29 | 36 | 23 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 1111 | 8 | 0.15 | 0 | | 100 | 89 | 94 | |
| 30 | 29 | 21 | 25 | 64 | 42 | 53 | 54 | 46 | 50 | 33 | 1 | 0.25 | 1 | 6 | 7 | 100 | 87 | 94 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month Mean | 75 | 21 | 48 | 64 | 33 | 48 | 54 | 34 | 45 | 5304 | 7 | 0.50 | | | 100 | 08 | 48 | |
| Month Mean | 62 | 34 | | 59 | 37 | | 49 | 41 | | | | | | | 70 | 27 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-------------------------|------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" N-D | 11-13" N-D | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 27 | 16 | 22 | | | | | | | | | | | | | | 100 | 77 | 88 |
| 2 | 38 | 13 | 26 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 3 | 40 | 20 | 30 | | | | | | | | | | | | | | 100 | 69 | 84 |
| 4 | 60 | 32 | 46 | | | | | | | | | | | | | | 97 | 45 | 71 |
| 5 | 66 | 34 | 50 | | | | | | | | | | | | | | 94 | 30 | 62 |
| 6 | 59 | 35 | 47 | 54 | 36 | 45 | 46 | 38 | 42 | 4.14 | 3 | 0.70 | 0 | | | | 100 | 44 | 72 |
| 7 | 50 | 34 | 42 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 8 | 64 | 32 | 48 | | | | | | | | | | | | | | 94 | 38 | 66 |
| 9 | 58 | 35 | 46 | | | | | | | | | | | | | | 100 | 52 | 75 |
| 10 | 48 | 34 | 41 | | | | | | | | | | | | | | 100 | 79 | 90 |
| 11 | 46 | 34 | 40 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 12 | 74 | 40 | 57 | | | | | | | | | | | | | | 80 | 20 | 50 |
| 13 | 75 | 49 | 62 | 58 | 41 | 50 | 50 | 44 | 47 | 6.22 | 4 | 0.10 | 0 | | | | 81 | 24 | 52 |
| 14 | 79 | 50 | 64 | | | | | | | | | | | | | | 88 | 21 | 54 |
| 15 | 73 | 47 | 60 | | | | | | | | | | | | | | 90 | 34 | 62 |
| 16 | 71 | 44 | 58 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 17 | 64 | 41 | 52 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 18 | 75 | 41 | 58 | | | | | | | | | | | | | | 87 | 27 | 57 |
| 19 | 78 | 41 | 60 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 20 | 88 | 55 | 72 | 70 | 47 | 58 | 59 | 46 | 52 | 8.14 | 5 | 0.20 | 0 | | | | 43 | 12 | 28 |
| 21 | 80 | 55 | 68 | | | | | | | | | | | | | | 51 | 25 | 38 |
| 22 | 62 | 44 | 53 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 23 | 45 | 37 | 41 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 24 | 58 | 38 | 48 | | | | | | | | | | | | | | 92 | 44 | 68 |
| 25 | 72 | 40 | 56 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 26 | 68 | 44 | 56 | | | | | | | | | | | | | | 89 | 12 | 50 |
| 27 | 72 | 38 | 55 | 69 | 46 | 57 | 58 | 46 | 52 | 9.23 | 6 | 0.60 | 0 | | | | 97 | 10 | 54 |
| 28 | 63 | 36 | 50 | | | | | | | | | | | | | | 56 | 14 | 35 |
| 29 | 66 | 29 | 48 | | | | | | | | | | | | | | 89 | 25 | 62 |
| 30 | 79 | 44 | 62 | | | | | | | | | | | | | | 66 | 18 | 42 |
| 31 | 69 | 41 | 55 | 70 | 50 | 60 | 58 | 52 | 56 | | | 0.15 | N-D | N-D | N-D | 61 | 28 | 44 | |
| Month | 88 | 13 | 51 | 70 | 36 | 54 | 59 | 38 | 50 | 27.73 | 4 | 1.75 | | | | 100 | 10 | 64 | |
| Month Mean | 63 | 38 | | 64 | 44 | | 54 | 45 | | | | | | | | | 89 | 39 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-------------------------|------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" N-D | 11-13" N-D | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 73 | 32 | 52 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 2 | 61 | 29 | 45 | | | | | | | | | | | | | | 95 | 33 | 64 |
| 3 | 70 | 27 | 48 | | | | | | | 1.372 | 8 | 0.00 | 0 | | | | 100 | 28 | 64 |
| 4 | 87 | 45 | 66 | | | | | | | | | | | | | | 58 | 17 | 38 |
| 5 | 90 | 57 | 74 | | | | | | | | | | | | | | 27 | 07 | 17 |
| 6 | 68 | 40 | 54 | | | | | | | | | | | | | | 80 | 18 | 49 |
| 7 | 66 | 34 | 50 | | | | | | | | | | | | | | 93 | 20 | 56 |
| 8 | 68 | 42 | 55 | | | | | | | | | | | | | | 40 | 29 | 34 |
| 9 | 80 | 45 | 62 | | | | | | | | | | | | | | 40 | 16 | 28 |
| 10 | 81 | 48 | 64 | 74 | 48 | 61 | 61 | 54 | 57 | 12.71 | 8 | 0.00 | 0 | | | | 52 | 26 | 39 |
| 11 | 78 | 46 | 62 | | | | | | | | | | | | | | 46 | 14 | 30 |
| 12 | 82 | 49 | 66 | | | | | | | | | | | | | | 59 | 22 | 40 |
| 13 | 80 | 54 | 67 | | | | | | | | | | | | | | 59 | 23 | 41 |
| 14 | 66 | 45 | 56 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 15 | 73 | 41 | 57 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 16 | 83 | 53 | 68 | | | | | | | | | | | | | | 65 | 16 | 40 |
| 17 | 84 | 48 | 66 | 73 | 32 | 62 | 62 | 56 | 59 | 11.56 | 7 | 0.00 | 0 | | | | 73 | 25 | 49 |
| 18 | 56 | 50 | 53 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 19 | 82 | 46 | 64 | | | | | | | | | | | | | | 99 | 20 | 60 |
| 20 | 81 | 54 | 68 | | | | | | | | | | | | | | 73 | 27 | 50 |
| 21 | 88 | 54 | 71 | | | | | | | | | | | | | | 72 | 21 | 46 |
| 22 | 90 | 53 | 72 | | | | | | | | | | | | | | 69 | 18 | 44 |
| 23 | 100 | 67 | 84 | | | | | | | | | | | | | | 31 | 08 | 20 |
| 24 | 96 | 61 | 78 | 81 | 54 | 68 | 68 | 58 | 63 | 8.69 | 5 | 0.00 | 0 | | | | 80 | 18 | 49 |
| 25 | 88 | 59 | 74 | | | | | | | | | | | | | | 72 | 31 | 52 |
| 26 | 82 | 54 | 68 | | | | | | | | | | | | | | 98 | 43 | 70 |
| 27 | 82 | 55 | 68 | | | | | | | | | | | | | | 67 | 29 | 48 |
| 28 | 81 | 51 | 66 | | | | | | | | | | | | | | 63 | 26 | 44 |
| 29 | 76 | 44 | 60 | | | | | | | | | | | | | | 66 | 27 | 46 |
| 30 | 81 | 50 | 66 | 80 | 57 | 68 | 68 | 61 | 64 | 7.78 | 5 | 0.25 | 0 | 3 | 3 | 89 | 42 | 66 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 100 | 27 | 63 | 81 | 48 | 65 | 68 | 54 | 61 | 54.46 | 7 | 0.25 | | | | 100 | 07 | 50 | |
| Month Mean | 79 | 48 | | 77 | 52 | | 65 | 57 | | | | | | | | | 73 | 28 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month July Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------------------|-------------|--------------|-------------------|--------|-----|-----|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min |
| 1 | 86 | 57 | 72 | | | | | | | | | | | | 84 | 27 | 56 |
| 2 | 91 | 58 | 74 | | | | | | | | | | | | 79 | 18 | 48 |
| 3 | 88 | 54 | 71 | | | | | | | | | | | | 79 | 26 | 48 |
| 4 | 91 | 57 | 74 | | | | | | | | | | | | 64 | 26 | 45 |
| 5 | 90 | 59 | 74 | | | | | | | | | | | | 99 | 34 | 66 |
| 6 | 87 | 62 | 74 | | | | | | | | | | | | 68 | 31 | 50 |
| 7 | 88 | 57 | 72 | | | | | | | | | | | | 74 | 24 | 49 |
| 8 | 85 | 60 | 72 | 79 | 58 | 69 | 68 | 60 | 64 | 1199 | 6 | 0.10 | 0 | | 59 | 29 | 44 |
| 9 | 94 | 61 | 78 | | | | | | | | | | | | 74 | 20 | 47 |
| 10 | 97 | 65 | 81 | | | | | | | | | | | | 56 | 14 | 35 |
| 11 | 98 | 65 | 81 | | | | | | | | | | | | 47 | 18 | 32 |
| 12 | 99 | 66 | 82 | | | | | | | | | | | | 46 | 18 | 32 |
| 13 | 99 | 59 | 79 | | | | | | | | | | | | 86 | 24 | 55 |
| 14 | 79 | 54 | 66 | | | | | | | | | | | | | | |
| 15 | 80 | 54 | 68 | 85 | 62 | 74 | 71 | 65 | 68 | 1178 | 7 | 0.70 | 0 | | 100 | 50 | 75 |
| 16 | 88 | 55 | 72 | | | | | | | | | | | | 95 | 26 | 60 |
| 17 | 84 | 56 | 70 | | | | | | | | | | | | 87 | 33 | 60 |
| 18 | 85 | 54 | 70 | | | | | | | | | | | | 72 | 31 | 51 |
| 19 | 87 | 56 | 72 | | | | | | | | | | | | 98 | 32 | 65 |
| 20 | 84 | 53 | 68 | | | | | | | | | | | | 89 | 31 | 60 |
| 21 | 84 | 55 | 70 | | | | | | | | | | | | 99 | 30 | 64 |
| 22 | 61 | 48 | 54 | 79 | 60 | 69 | 69 | 66 | 67 | 985 | 6 | 0.40 | 0 | | 100 | 62 | 81 |
| 23 | 73 | 45 | 59 | | | | | | | | | | | | 100 | 42 | 71 |
| 24 | 90 | 55 | 72 | | | | | | | | | | | | 58 | 13 | 36 |
| 25 | 87 | 55 | 71 | | | | | | | | | | | | 96 | 26 | 61 |
| 26 | 91 | 56 | 74 | | | | | | | | | | | | 89 | 14 | 52 |
| 27 | 87 | 60 | 74 | | | | | | | | | | | | 97 | 32 | 64 |
| 28 | 87 | 55 | 71 | | | | | | | | | | | | 97 | 22 | 60 |
| 29 | 94 | 61 | 78 | | | | | | | 846 | 5 | 0.40 | 0 | | 56 | 13 | 40 |
| 30 | 92 | 63 | 78 | | | | | | | | | | | | 53 | 23 | 33 |
| 31 | 84 | 52 | 68 | 82 | 56 | 69 | 70 | 61 | 66 | 297 | 6 | 0.00 | 0 | 2 | 90 | 31 | 60 |
| Month Mean | 99 | 45 | 72 | 85 | 56 | 70 | 71 | 65 | 66 | 4505 | 6 | 1.60 | | | 100 | 13 | 52 |
| Month Mean | 87 | 57 | | 81 | 59 | | 70 | 63 | | | | | | | 77 | 27 | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month August Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------------------|-------------|--------------|-------------------|--------|-----|-----|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" | 11-13" | Max | Min |
| 1 | 89 | 57 | 73 | | | | | | | | | | | | 50 | 18 | 34 |
| 2 | 88 | 54 | 71 | | | | | | | | | | | | 56 | 18 | 37 |
| 3 | 95 | 62 | 80 | | | | | | | | | | | | 38 | 09 | 24 |
| 4 | 78 | 55 | 66 | | | | | | | | | | | | 100 | 38 | 69 |
| 5 | 72 | 55 | 64 | 83 | 62 | 72 | 71 | 66 | 69 | 791 | 6 | 0.20 | 0 | | 100 | 50 | 75 |
| 6 | 73 | 50 | 62 | | | | | | | | | | | | 100 | 40 | 70 |
| 7 | 57 | 47 | 52 | | | | | | | | | | | | 99 | 66 | 92 |
| 8 | 79 | 47 | 63 | | | | | | | | | | | | 93 | 28 | 60 |
| 9 | 84 | 51 | 68 | | | | | | | | | | | | 58 | 14 | 31 |
| 10 | 88 | 55 | 72 | | | | | | | | | | | | 50 | 17 | 34 |
| 11 | 77 | 55 | 66 | | | | | | | | | | | | 90 | 32 | 61 |
| 12 | 76 | 49 | 62 | 76 | 54 | 64 | 67 | 61 | 64 | 793 | 5 | 0.34 | 0 | | 100 | 36 | 68 |
| 13 | 75 | 51 | 63 | | | | | | | | | | | | 95 | 41 | 68 |
| 14 | 84 | 50 | 67 | | | | | | | | | | | | 74 | 24 | 49 |
| 15 | 81 | 56 | 68 | | | | | | | | | | | | 81 | 27 | 54 |
| 16 | 83 | 48 | 66 | | | | | | | | | | | | 100 | 26 | 63 |
| 17 | 96 | 47 | 66 | | | | | | | | | | | | 95 | 17 | 56 |
| 18 | 72 | 48 | 60 | | | | | | | | | | | | 100 | 45 | 72 |
| 19 | 83 | 48 | 66 | 77 | 57 | 66 | 67 | 62 | 65 | 946 | 6 | 0.19 | 0 | | 90 | 11 | 50 |
| 20 | 80 | 50 | 65 | | | | | | | | | | | | 68 | 24 | 46 |
| 21 | 82 | 50 | 66 | | | | | | | | | | | | 85 | 27 | 56 |
| 22 | 66 | 45 | 56 | | | | | | | | | | | | 92 | 46 | 69 |
| 23 | 81 | 45 | 63 | | | | | | | | | | | | 75 | 30 | 52 |
| 24 | 83 | 55 | 69 | | | | | | | | | | | | 60 | 24 | 42 |
| 25 | 85 | 59 | 72 | | | | | | | | | | | | 44 | 24 | 34 |
| 26 | 87 | 54 | 70 | 74 | 54 | 64 | 66 | 61 | 63 | 1031 | 6 | 0.11 | 0 | | 53 | 27 | 40 |
| 27 | 84 | 59 | 72 | | | | | | | | | | | | 41 | 26 | 34 |
| 28 | 88 | 58 | 73 | | | | | | | | | | | | 48 | 28 | 38 |
| 29 | 92 | 59 | 76 | | | | | | | | | | | | 44 | 24 | 34 |
| 30 | 88 | 55 | 71 | | | | | | | | | | | | 60 | 23 | 42 |
| 31 | 90 | 56 | 73 | 79 | 62 | 70 | 68 | 64 | 66 | 679 | 6 | 0.00 | 0 | 5 | 61 | 27 | 44 |
| Month Mean | 95 | 45 | 67 | 83 | 54 | 67 | 71 | 61 | 65 | 4240 | 6 | 0.84 | | | 100 | 09 | 51 |
| Month Mean | 82 | 53 | | 78 | 58 | | 68 | 63 | | | | | | | 74 | 29 | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|---|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry 5-7" | Wt. 11-13" | Max | Min | Mean | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | N-D | N-D | | | | |
| 1 | 84 | 63 | 74 | | | | | | | | | | | | | | | | |
| 2 | 80 | 56 | 68 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 3 | 77 | 54 | 66 | 77 | 60 | 68 | 68 | 64 | 66 | 400 | 6 | 0.00 | 0 | | | | | | |
| 4 | 77 | 51 | 64 | | | | | | | | | | | | | | | | |
| 5 | 77 | 50 | 64 | | | | | | | | | | | | | | | | |
| 6 | 78 | 53 | 66 | | | | | | | | | | | | | | | | |
| 7 | 78 | 50 | 64 | | | | | | | | | | | | | | | | |
| 8 | 66 | 50 | 58 | | | | | | | | | | | | | | | | |
| 9 | 74 | 42 | 58 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 10 | 82 | 47 | 64 | 71 | 54 | 62 | 66 | 60 | 63 | 1038 | 6 | 0.40 | 0 | | | | | | |
| 11 | 84 | 59 | 72 | | | | | | | | | | | | | | | | |
| 12 | 78 | 54 | 66 | | | | | | | | | | | | | | | | |
| 13 | 79 | 52 | 66 | | | | | | | | | | | | | | | | |
| 14 | 77 | 48 | 62 | | | | | | | | | | | | | | | | |
| 15 | 80 | 48 | 64 | | | | | | | | | | | | | | | | |
| 16 | 81 | 52 | 66 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 17 | 80 | 47 | 64 | 71 | 54 | 63 | 64 | 60 | 62 | 1018 | 6 | 0.00 | 0 | | | | | | |
| 18 | 83 | 50 | 66 | | | | | | | | | | | | | | | | |
| 19 | 79 | 47 | 63 | | | | | | | | | | | | | | | | |
| 20 | 72 | 38 | 55 | | | | | | | | | | | | | | | | |
| 21 | 74 | 33 | 54 | | | | | | | | | | | | | | | | |
| 22 | 83 | 47 | 65 | | | | | | | | | | | | | | | | |
| 23 | 69 | 45 | 57 | | | | | | | | | | | | | | | | |
| 24 | 47 | 43 | 45 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 25 | 64 | 42 | 53 | 73 | 50 | 61 | 63 | 56 | 60 | 1151 | 6 | 0.64 | 0 | | | | | | |
| 26 | 69 | 43 | 56 | | | | | | | | | | | | | | | | |
| 27 | 59 | 43 | 51 | | | | | | | | | | | | | | | | |
| 28 | 73 | 36 | 54 | | | | | | | | | | | | | | | | |
| 29 | 40 | 29 | 34 | | | | | | | | | | | | | | | | |
| 30 | 47 | 28 | 38 | 66 | 42 | 54 | 58 | 50 | 54 | 694 | 5 | 0.81 | 0 | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 84 | 28 | 60 | 77 | 42 | 62 | 68 | 50 | 61 | 4301 | 6 | 1.85 | | | | | | | |
| Month Mean | 73 | 47 | | 72 | 52 | | 64 | 58 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
of 5-7" = 4%
of 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|---|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry 5-7" | Wt. 11-13" | Max | Min | Mean | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | N-D | N-D | | | | |
| 1 | 75 | 38 | 56 | | | | | | | | | | | | | | | | |
| 2 | 75 | 45 | 60 | | | | | | | | | | | | | | | | |
| 3 | 69 | 52 | 56 | | | | | | | | | | | | | | | | |
| 4 | 55 | 39 | 47 | | | | | | | | | | | | | | | | |
| 5 | 62 | 38 | 50 | | | | | | | | | | | | | | | | |
| 6 | 49 | 37 | 43 | | | | | | | | | | | | | | | | |
| 7 | 75 | 39 | 57 | | | | | | | | | | | | | | | | |
| 8 | 73 | 55 | 64 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 9 | 75 | 43 | 59 | 63 | 46 | 54 | 57 | 52 | 54 | 958 | 5 | 0.07 | 0 | | | | | | |
| 10 | 65 | 43 | 54 | | | | | | | | | | | | | | | | |
| 11 | 64 | 34 | 49 | | | | | | | | | | | | | | | | |
| 12 | 68 | 36 | 52 | | | | | | | | | | | | | | | | |
| 13 | 58 | 27 | 42 | | | | | | | | | | | | | | | | |
| 14 | 47 | 24 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 15 | 63 | 28 | 46 | 64 | 41 | 52 | 58 | 49 | 59 | 1210 | 8 | 0.33 | 0 | | | | | | |
| 16 | 68 | 39 | 54 | | | | | | | | | | | | | | | | |
| 17 | 76 | 46 | 61 | | | | | | | | | | | | | | | | |
| 18 | 59 | 41 | 50 | | | | | | | | | | | | | | | | |
| 19 | 72 | 41 | 56 | | | | | | | | | | | | | | | | |
| 20 | 67 | 36 | 52 | | | | | | | | | | | | | | | | |
| 21 | 65 | 36 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 22 | 71 | 37 | 54 | 56 | 43 | 50 | 52 | 49 | 50 | 835 | 5 | 0.00 | 0 | | | | | | |
| 23 | 71 | 36 | 54 | | | | | | | | | | | | | | | | |
| 24 | 37 | 23 | 30 | | | | | | | | | | | | | | | | |
| 25 | 31 | 21 | 26 | | | | | | | | | | | | | | | | |
| 26 | 27 | 12 | 20 | | | | | | | | | | | | | | | | |
| 27 | 43 | 12 | 28 | | | | | | | | | | | | | | | | |
| 28 | 51 | 19 | 35 | | | | | | | | | | | | | | | | |
| 29 | 46 | 16 | 31 | | | | | | | | | | | | | | | | |
| 30 | 45 | 25 | 35 | | | | | | | | | | | | | | | | |
| 31 | 47 | 24 | 36 | 50 | 36 | 43 | 51 | 41 | 46 | 824 | 4 | 0.30 | T | 4 | 4 | 100 | 24 | 62 | |
| Month | 76 | 12 | 46 | 64 | 36 | 49 | 58 | 41 | 51 | 3827 | 6 | 0.70 | | | | | | | |
| Month Mean | 60 | 34 | | 58 | 42 | | 54 | 48 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop month November Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|-------------|----------------------|-----------------------|-------------------------|--------------------|--------|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | 5-7" | 7-11" | 11-13" | Max | Min | Mean |
| 1 | 43 | 23 | 33 | | | | | | | | | | | | | | 67 | 40 | 54 |
| 2 | 54 | 24 | 39 | | | | | | | | | | | | | | 70 | 29 | 50 |
| 3 | 51 | 24 | 38 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 4 | 57 | 23 | 40 | | | | | | | | | | | | | | 100 | 18 | 59 |
| 5 | 63 | 37 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 34 | 18 | 26 | |
| 6 | 65 | 41 | 53 | 40 | 34 | 37 | 42 | 39 | 40 | 762 | 5 | 0.05 | 0 | | | 38 | 20 | 29 | |
| 7 | 63 | 37 | 50 | | | | | | | | | | | | | 43 | 20 | 32 | |
| 8 | 56 | 32 | 44 | | | | | | | | | | | | | 60 | 33 | 46 | |
| 9 | 58 | 32 | 45 | | | | | | | | | | | | | 59 | 33 | 46 | |
| 10 | 67 | 37 | 52 | | | | | | | | | | | | | 35 | 12 | 24 | |
| 11 | 50 | 30 | 40 | | | | | | | | | | | | | 83 | 26 | 54 | |
| 12 | 63 | 34 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 67 | 29 | 48 | |
| 13 | 45 | 30 | 38 | 44 | 35 | 39 | 42 | 40 | 41 | 795 | 5 | 0.50 | 0 | | | 100 | 55 | 78 | |
| 14 | 54 | 27 | 40 | | | | | | | | | | | | | 99 | 29 | 64 | |
| 15 | 58 | 40 | 49 | | | | | | | | | | | | | 35 | 23 | 29 | |
| 16 | 59 | 34 | 46 | | | | | | | | | | | | | 62 | 25 | 44 | |
| 17 | 47 | 30 | 38 | | | | | | | | | | | | | 67 | 30 | 48 | |
| 18 | 48 | 31 | 40 | | | | | | | | | | | | | 60 | 38 | 49 | |
| 19 | 57 | 36 | 46 | | | | | | | | | | | | | 49 | 23 | 36 | |
| 20 | 57 | 32 | 44 | 42 | 35 | 38 | 42 | 37 | 39 | 1369 | 8 | 0.05 | 0 | | | 57 | 23 | 40 | |
| 21 | 52 | 30 | 41 | | | | | | | | | | | | | 63 | 37 | 50 | |
| 22 | 64 | 41 | 52 | | | | | | | | | | | | | 57 | 30 | 44 | |
| 23 | 58 | 24 | 41 | | | | | | | | | | | | | 94 | 30 | 67 | |
| 24 | 48 | 24 | 36 | | | | | | | | | | | | | 96 | 43 | 70 | |
| 25 | 63 | 45 | 54 | | | | | | | | | | | | | 45 | 23 | 34 | |
| 26 | 51 | 36 | 44 | | | | | | | | | | | | | 47 | 33 | 40 | |
| 27 | 40 | 21 | 30 | | | | | | | | | | 0.00 | 1 | | 100 | 47 | 74 | |
| 28 | 30 | 13 | 22 | | | | | | | | | | | | | 100 | 44 | 72 | |
| 29 | 20 | 15 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 57 | 78 | |
| 30 | 32 | 13 | 22 | 44 | 30 | 37 | 42 | 35 | 38 | 1973 | 8 | 0.35 | | | 4 | 5 | 100 | 38 | 69 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 67 | 13 | 41 | 44 | 30 | 38 | 42 | 35 | 40 | 4899 | 7 | 0.95 | | | | | 100 | 12 | 50 |
| Month Mean | 52 | 30 | | 42 | 34 | | 42 | 38 | | | | | | | | 70 | 31 | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month December Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|-------------|----------------------|-----------------------|-------------------------|--------------------|--------|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | 5-7" | 7-11" | 11-13" | Max | Min | Mean |
| 1 | 46 | 11 | 28 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 2 | 50 | 41 | 46 | | | | | | | | | | | | | 47 | 35 | 41 | |
| 3 | 55 | 42 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 60 | 22 | 41 | |
| 4 | 46 | 29 | 38 | 33 | 32 | 32 | 36 | 34 | 35 | | | 0.00 | T | | | | | | |
| 5 | 45 | 26 | 36 | | | | | | | | | | | | | | | | |
| 6 | 54 | 32 | 43 | | | | | | | | | | | | | | | | |
| 7 | 50 | 22 | 36 | | | | | | | | | | | | | | | | |
| 8 | 27 | 19 | 23 | | | | | | | | | | | | | | | | |
| 9 | 48 | 22 | 35 | | | | | | | | | | | | | | | | |
| 10 | 46 | 26 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 11 | 35 | 17 | 26 | 34 | 26 | 30 | 36 | 32 | 34 | 2212 | 9 | 0.00 | T | | | 100 | 03 | 52 | |
| 12 | 46 | 18 | 32 | | | | | | | | | | | | | | | | |
| 13 | 51 | 27 | 39 | | | | | | | | | | | | | 95 | 07 | 51 | |
| 14 | 40 | 21 | 30 | | | | | | | | | | | | | 55 | 16 | 36 | |
| 15 | 52 | 26 | 39 | | | | | | | | | | | | | 84 | 14 | 49 | |
| 16 | 29 | 13 | 21 | | | | | | | | | | | | | 78 | 34 | 56 | |
| 17 | 39 | 16 | 28 | | | | | | | | | | | | | 50 | 37 | 44 | |
| 18 | 50 | 30 | 40 | 30 | 22 | 26 | 33 | 30 | 31 | 1568 | 9 | 0.00 | 0 | | | 50 | 27 | 38 | |
| 19 | 62 | 37 | 50 | | | | | | | | | | | | | 38 | 15 | 26 | |
| 20 | 62 | 39 | 50 | | | | | | | | | | | | | 20 | 12 | 16 | |
| 21 | 53 | 35 | 44 | | | | | | | | | | | | | 29 | 14 | 22 | |
| 22 | 57 | 32 | 44 | | | | | | | | | | | | | 46 | 24 | 35 | |
| 23 | 46 | 29 | 38 | | | | | | | | | | | | | 67 | 28 | 48 | |
| 24 | 58 | 36 | 47 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 36 | 20 | 28 | |
| 25 | 45 | 24 | 34 | 32 | 26 | 29 | 32 | 30 | 31 | 1253 | 8 | 0.00 | 0 | | | 86 | 34 | 60 | |
| 26 | 24 | 13 | 18 | | | | | | | | | | | | | 100 | 98 | 99 | |
| 27 | 17 | 01 | 09 | | | | | | | | | | | | | 100 | 76 | 88 | |
| 28 | 40 | 02 | 21 | | | | | | | | | | | | | 83 | 25 | 54 | |
| 29 | 40 | 23 | 32 | | | | | | | | | | | | | 34 | 17 | 26 | |
| 30 | 35 | 17 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 31 | 21 | 26 | |
| 31 | 44 | 23 | 34 | 32 | 30 | 31 | 32 | 31 | 32 | 734 | 5 | 0.60 | 5 | | 4 | 4 | 78 | 31 | 54 |
| Month | 62 | 01 | 34 | 34 | 22 | 30 | 36 | 30 | 33 | 5767 | 8 | 0.60 | | | | 100 | 03 | 46 | |
| Month Mean | 45 | 24 | | 32 | 27 | | 34 | 31 | | | | | | | | 64 | 28 | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month January Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 42 | 24 | 33 | | | | | | | | | | | | | | 44 | 26 | 35 | |
| 2 | 37 | 18 | 28 | | | | | | | | | | | | | | 62 | 30 | 46 | |
| 3 | 43 | 22 | 32 | | | | | | | | | | | | | | 100 | 24 | 62 | |
| 4 | 39 | 18 | 28 | | | | | | | | | | | | | | 79 | 38 | 58 | |
| 5 | 43 | 28 | 36 | | | | | | | | | | | | | | 65 | 43 | 54 | |
| 6 | 54 | 30 | 42 | | | | | | | | | | | | | | 60 | 22 | 41 | |
| 7 | 49 | 34 | 42 | | | | | | | | | | | | | | 56 | 36 | 46 | |
| 8 | 36 | 15 | 26 | 29 | 27 | 28 | 30 | 26 | 28 | 2395 | 12 | 0.00 | 4 | | | | 100 | 42 | 71 | |
| 9 | 21 | 06 | 14 | | | | | | | | | | | | | | 100 | 84 | 92 | |
| 10 | 33 | 05 | 19 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 11 | 25 | 05 | 15 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 12 | 22 | 05 | 14 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 13 | 26 | 16 | 21 | | | | | | | | | | | | | | 63 | 37 | 50 | |
| 14 | 37 | 16 | 27 | | | | | | | | | | | | | | 60 | 34 | 47 | |
| 15 | 36 | 22 | 29 | 28 | 23 | 26 | 29 | 24 | 26 | 1094 | 6 | 0.10 | 4 | | | | 68 | 34 | 51 | |
| 16 | 41 | 30 | 36 | | | | | | | | | | | | | | 49 | 29 | 39 | |
| 17 | 51 | 28 | 40 | | | | | | | | | | | | | | 51 | 12 | 32 | |
| 18 | 39 | 25 | 32 | | | | | | | | | | | | | | 82 | 37 | 60 | |
| 19 | 42 | 14 | 28 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 20 | 19 | -10 | 04 | | | | | | | | | | | | | | | | | |
| 21 | 37 | 18 | 28 | | | | | | | | | | | | | | | | | |
| 22 | 47 | 27 | 37 | 28 | 22 | 25 | 28 | 23 | 26 | 2546 | 15 | 0.00 | 1 | | | | 100 | 16 | 58 | |
| 23 | 47 | 26 | 36 | | | | | | | | | | | | | | 100 | 24 | 62 | |
| 24 | 45 | 27 | 36 | | | | | | | | | | | | | | 94 | 30 | 62 | |
| 25 | 45 | 10 | 28 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 26 | 29 | 08 | 18 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 27 | 46 | 19 | 32 | | | | | | | | | | | | | | 49 | 22 | 36 | |
| 28 | 50 | 31 | 40 | | | | | | | | | | | | | | 62 | 34 | 48 | |
| 29 | 46 | 24 | 35 | | | | | | | | | | | | | | 100 | 43 | 72 | |
| 30 | 45 | 24 | 34 | | | | | | | 2164 | 11 | 0.10 | 1 | | | | 100 | 33 | 66 | |
| 31 | 51 | 25 | 38 | 30 | 22 | 26 | 32 | 23 | 28 | 142 | 6 | 0.00 | 1 | | | 8 | 4 | 100 | 19 | 60 |
| Month Mean | 54 | -10 | 29 | 30 | 22 | 26 | 32 | 23 | 27 | 8341 | 11 | 0.20 | | | | | 100 | 12 | 57 | |
| Month Mean | 40 | 19 | 29 | 29 | 24 | | 27 | 24 | | | | | | | | | 81 | 34 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month February Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 43 | 22 | 32 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 2 | 46 | 29 | 38 | | | | | | | | | | | | | | 32 | 18 | 25 | |
| 3 | 59 | 32 | 46 | | | | | | | | | | | | | | 36 | 20 | 28 | |
| 4 | 51 | 32 | 42 | | | | | | | | | | | | | | 44 | 28 | 36 | |
| 5 | 49 | 24 | 36 | 29 | 23 | 26 | 30 | 26 | 28 | 778 | 7 | 0.00 | 0 | | | | 82 | 28 | 55 | |
| 6 | 40 | 18 | 29 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 7 | 52 | 28 | 40 | | | | | | | | | | | | | | 44 | 16 | 30 | |
| 8 | 59 | 32 | 46 | | | | | | | | | | | | | | 44 | 21 | 32 | |
| 9 | 59 | 32 | 46 | | | | | | | | | | | | | | 36 | 11 | 24 | |
| 10 | 46 | 17 | 32 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 11 | 45 | 15 | 30 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 12 | 57 | 32 | 44 | 29 | 22 | 25 | 30 | 25 | 28 | 1026 | 6 | 0.00 | 0 | | | | 58 | 24 | 41 | |
| 13 | 50 | 34 | 42 | | | | | | | | | | | | | | 71 | 24 | 48 | |
| 14 | 46 | 23 | 34 | | | | | | | | | | | | | | 84 | 48 | 66 | |
| 15 | 36 | 18 | 27 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 16 | 44 | 18 | 31 | | | | | | | | | | | | | | 60 | 20 | 40 | |
| 17 | 51 | 22 | 36 | | | | | | | | | | | | | | 60 | 30 | 45 | |
| 18 | 48 | 20 | 34 | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 19 | 30 | 11 | 20 | 31 | 26 | 28 | 31 | 27 | 29 | 1659 | 10 | 0.00 | T | | | | 100 | 30 | 65 | |
| 20 | 37 | 18 | 28 | | | | | | | | | | | | | | 74 | 44 | 59 | |
| 21 | 46 | 25 | 36 | | | | | | | | | | | | | | 70 | 36 | 53 | |
| 22 | 35 | 21 | 28 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 23 | 45 | 22 | 34 | | | | | | | | | | | | | | 62 | 36 | 49 | |
| 24 | 48 | 32 | 40 | | | | | | | | | | | | | | 62 | 32 | 47 | |
| 25 | 47 | 25 | 36 | | | | | | | | | | | | | | 97 | 40 | 69 | |
| 26 | 42 | 13 | 28 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 27 | 25 | 04 | 14 | | | | | | | 3286 | 17 | 0.90 | 5 | | | | 100 | 50 | 75 | |
| 28 | 34 | 09 | 22 | 32 | 08 | 20 | 32 | 08 | 20 | 291 | 14 | | | | | N-D | N-D | 76 | 43 | 60 |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 59 | 04 | 34 | 32 | 08 | 25 | 32 | 08 | 26 | 7040 | 10 | 0.90 | | | | | 100 | 11 | 53 | |
| Month Mean | 45 | 22 | 30 | 30 | 20 | | 31 | 22 | | | | | | | | | 75 | 31 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month March Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|--------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 22 | 01 | 12 | | | | | | | | | | | | | | 100 | 66 | 83 |
| 2 | 11 | -11 | 00 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 3 | 28 | -05 | 12 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 4 | 33 | 04 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 33 | 66 |
| 5 | 39 | 05 | 22 | 34 | 28 | 31 | 34 | 30 | 32 | 731 | 6 | 0.00 | 11 | | | | 100 | 23 | 62 |
| 6 | 57 | 22 | 40 | | | | | | | | | | | | | | 28 | 14 | 21 |
| 7 | 43 | 18 | 30 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 8 | 52 | 29 | 40 | | | | | | | | | | | | | | 70 | 29 | 50 |
| 9 | 54 | 31 | 42 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 10 | 51 | 31 | 41 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 11 | 42 | 17 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 34 | 67 |
| 12 | 19 | 02 | 10 | 34 | 28 | 30 | 32 | 28 | 30 | 1633 | 10 | 0.00 | 1 | | | | 100 | 44 | 72 |
| 13 | 27 | 01 | 14 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 14 | 35 | 11 | 23 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 15 | 38 | 15 | 26 | | | | | | | | | | | | | | 86 | 40 | 63 |
| 16 | 48 | 23 | 36 | | | | | | | | | | | | | | 69 | 28 | 48 |
| 17 | 55 | 18 | 36 | | | | | | | | | | | | | | 72 | 22 | 47 |
| 18 | 27 | 16 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 70 | 46 | 58 |
| 19 | 40 | 18 | 29 | 34 | 10 | 22 | 33 | 11 | 22 | 1336 | 8 | 0.00 | 0 | 12 | 7 | 100 | 53 | 76 | |
| 20 | 33 | 19 | 26 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 21 | 37 | 22 | 30 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 22 | 27 | 18 | 22 | | | | | | | | | | | | | | 100 | 96 | 98 |
| 23 | 32 | 20 | 26 | | | | | | | | | | | | | | 100 | 91 | 96 |
| 24 | 35 | 17 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 39 | 70 |
| 25 | 28 | 11 | 20 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 26 | 38 | 15 | 26 | 32 | 25 | 28 | 32 | 28 | 30 | 697 | 4 | 0.40 | 1 | | | | 100 | 30 | 65 |
| 27 | 37 | 23 | 30 | | | | | | | | | | | | | | 74 | 48 | 61 |
| 28 | 48 | 15 | 31 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 29 | 40 | 08 | 24 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 30 | 20 | 01 | 10 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 31 | 34 | -01 | 16 | 32 | 30 | 31 | 32 | 32 | 32 | 1193 | 10 | 0.30 | 2 | 6 | 6 | 100 | 32 | 66 | |
| Month | 57 | -11 | 25 | 34 | 10 | 28 | 34 | 11 | 30 | 5590 | 8 | 0.70 | | | | | 100 | 14 | 68 |
| Month Mean | 36 | 13 | | 33 | 24 | | 33 | 26 | | | | | | | | | 93 | 44 | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month April Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------------------|--------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 40 | 21 | 30 | | | | | | | | | | | | | | 50 | 26 | 38 |
| 2 | 53 | 28 | 40 | | | | | | | 890 | 19 | 0.00 | 0 | | | | 50 | 21 | 36 |
| 3 | 58 | 30 | 44 | | | | | | | | | | | | | | 42 | 16 | 29 |
| 4 | 63 | 36 | 50 | | | | | | | | | | | | | | 28 | 20 | 24 |
| 5 | 57 | 38 | 48 | | | | | | | | | | | | | | 34 | 21 | 28 |
| 6 | 61 | 29 | 45 | | | | | | | | | | | | | | 76 | 20 | 48 |
| 7 | 46 | 22 | 34 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 8 | 60 | 23 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 80 | 24 | 52 |
| 9 | 57 | 31 | 44 | 40 | 32 | 36 | 42 | 32 | 37 | 1310 | 8 | 0.00 | 0 | | | | 74 | 29 | 52 |
| 10 | 47 | 24 | 36 | | | | | | | | | | | | | | 94 | 48 | 71 |
| 11 | 50 | 27 | 38 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 12 | 58 | 28 | 43 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 13 | 60 | 36 | 48 | | | | | | | | | | | | | | 65 | 21 | 43 |
| 14 | 55 | 30 | 42 | | | | | | | | | | | | | | 80 | 31 | 56 |
| 15 | 34 | 22 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 19 | 60 |
| 16 | 58 | 29 | 44 | 49 | 36 | 42 | 46 | 37 | 42 | 1205 | 7 | 0.00 | 0 | | | | 32 | 20 | 26 |
| 17 | 63 | 37 | 50 | | | | | | | | | | | | | | 36 | 20 | 28 |
| 18 | 63 | 29 | 46 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 19 | 61 | 28 | 44 | | | | | | | | | | | | | | 100 | 16 | 58 |
| 20 | 62 | 25 | 44 | | | | | | | | | | | | | | 100 | 16 | 58 |
| 21 | 40 | 21 | 30 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 22 | 61 | 21 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 10 | 55 |
| 23 | 67 | 40 | 54 | 50 | 36 | 43 | 46 | 36 | 42 | 1587 | 9 | 0.00 | 0 | | | | 39 | 17 | 28 |
| 24 | 62 | 40 | 51 | | | | | | | | | | | | | | 50 | 28 | 39 |
| 25 | 65 | 36 | 50 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 26 | 58 | 37 | 48 | | | | | | | | | | | | | | 67 | 26 | 42 |
| 27 | 62 | 35 | 48 | | | | | | | | | | | | | | 70 | 34 | 52 |
| 28 | 65 | 29 | 47 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 29 | 40 | 19 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 946 | 7 | 0.00 | 0 | | | | 100 | 62 | 81 |
| 30 | 32 | 17 | 24 | 56 | 38 | 47 | 52 | 42 | 46 | 31 | 1 | 0.30 | 0 | 15 | 16 | 100 | 84 | 92 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 67 | 17 | 42 | 56 | 32 | 42 | 52 | 32 | 42 | 5969 | 8 | 0.30 | | | | | 100 | 10 | 52 |
| Month Mean | 55 | 29 | | 49 | 36 | | 47 | 37 | | | | | | | | | 76 | 28 | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------|-------------|-------------------|----------|------------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" N-D | 11-13" N-D | Max | Min | Mean |
| 1 | 27 | 11 | 19 | | | | | | | | | N-D | N-D | 100 | 73 | 86 | | |
| 2 | 36 | 09 | 22 | | | | | | | | | | | 100 | 54 | 77 | | |
| 3 | 52 | 15 | 34 | | | | | | | | | | | 100 | 34 | 67 | | |
| 4 | 57 | 30 | 44 | | | | | | | | | | | 100 | 30 | 65 | | |
| 5 | 61 | 31 | 46 | | | | | | | | | | | 100 | 20 | 60 | | |
| 6 | 53 | 31 | 42 | 50 | 34 | 42 | 47 | 36 | 41 | 610 | 4 | 0.45 | 0 | 100 | 42 | 71 | | |
| 7 | 47 | 29 | 38 | | | | | | | | | | | 100 | 64 | 82 | | |
| 8 | 58 | 29 | 44 | | | | | | | | | | | 100 | 40 | 70 | | |
| 9 | 54 | 37 | 46 | | | | | | | | | | | 100 | 48 | 74 | | |
| 10 | 53 | 32 | 42 | | | | | | | | | | | 100 | 40 | 70 | | |
| 11 | 52 | 30 | 41 | | | | | | | | | | | 100 | 59 | 80 | | |
| 12 | 68 | 37 | 52 | | | | | | | | | | | 82 | 18 | 50 | | |
| 13 | 69 | 45 | 57 | 54 | 40 | 47 | 51 | 41 | 46 | 634 | 4 | 0.10 | 0 | 87 | 25 | 56 | | |
| 14 | 72 | 42 | 57 | | | | | | | | | | | 100 | 26 | 63 | | |
| 15 | 70 | 42 | 56 | | | | | | | | | | | 100 | 28 | 64 | | |
| 16 | 65 | 41 | 53 | | | | | | | | | | | 100 | 45 | 72 | | |
| 17 | 58 | 37 | 48 | | | | | | | | | | | 100 | 49 | 74 | | |
| 18 | 67 | 38 | 52 | | | | | | | | | | | 100 | 28 | 64 | | |
| 19 | 72 | 38 | 55 | | | | | | | | | | | 100 | 25 | 62 | | |
| 20 | 84 | 51 | 68 | 63 | 46 | 54 | 58 | 47 | 52 | 704 | 4 | 0.00 | 0 | 44 | 14 | 29 | | |
| 21 | 77 | 50 | 64 | | | | | | | | | | | 84 | 28 | 56 | | |
| 22 | 55 | 40 | 48 | | | | | | | | | | | 100 | 50 | 75 | | |
| 23 | 41 | 32 | 36 | | | | | | | | | | | 100 | 100 | 100 | | |
| 24 | 51 | 34 | 42 | | | | | | | | | | | 100 | 54 | 77 | | |
| 25 | 64 | 37 | 50 | | | | | | | | | | | 100 | 36 | 68 | | |
| 26 | 60 | 38 | 49 | | | | | | | | | | | 100 | 17 | 58 | | |
| 27 | 63 | 30 | 46 | 66 | 44 | 55 | 60 | 46 | 53 | 877 | 5 | 0.70 | 0 | 100 | 15 | 58 | | |
| 28 | 55 | 29 | 42 | | | | | | | | | | | 68 | 17 | 42 | | |
| 29 | 62 | 23 | 42 | | | | | | | | | | | 100 | 32 | 66 | | |
| 30 | 74 | 37 | 56 | | | | | | | | | | | 85 | 18 | 52 | | |
| 31 | 63 | 34 | 48 | 62 | 46 | 54 | 58 | 47 | 53 | 1065 | 9 | 0.00 | 0 | N-D | N-D | 68 | 22 | 45 |
| Month | 84 | 09 | 46 | 66 | 34 | 50 | 60 | 36 | 49 | 3890 | 5 | 0.95 | | 100 | 14 | 65 | | |
| Month Mean | 59 | 34 | | 59 | 42 | | 55 | 43 | | | | | | 94 | 37 | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|-------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------|-------------|-------------------|----------|------------|-----|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" N-D | 11-13" N-D | Max |
| 1 | 65 | 27 | 46 | | | | | | | | | 13 | 12 | 100 | 31 | 66 |
| 2 | 52 | 25 | 38 | | | | | | | 521 | 11 | 0.00 | 0 | 100 | 32 | 66 |
| 3 | 64 | 23 | 44 | | | | | | | | | | | 100 | 29 | 64 |
| 4 | 80 | 40 | 60 | | | | | | | | | | | 56 | 18 | 37 |
| 5 | 80 | 50 | 65 | | | | | | | | | | | 29 | 13 | 21 |
| 6 | 59 | 27 | 43 | | | | | | | | | | | 100 | 19 | 60 |
| 7 | 60 | 27 | 44 | | | | | | | | | | | 100 | 18 | 59 |
| 8 | 63 | 35 | 49 | | | | | | | | | | | 38 | 24 | 31 |
| 9 | 75 | 44 | 60 | | | | | | | | | | | 36 | 16 | 26 |
| 10 | 73 | 42 | 58 | 67 | 49 | 58 | 62 | 49 | 55 | 1281 | 8 | 0.00 | 0 | 41 | 23 | 32 |
| 11 | 69 | 40 | 54 | | | | | | | | | | | 45 | 17 | 31 |
| 12 | 76 | 43 | 60 | | | | | | | | | | | 63 | 22 | 42 |
| 13 | 76 | 50 | 63 | | | | | | | | | | | 55 | 23 | 39 |
| 14 | 63 | 40 | 52 | | | | | | | | | | | 100 | 40 | 70 |
| 15 | 65 | 36 | 50 | | | | | | | | | | | 100 | 24 | 62 |
| 16 | 74 | 43 | 58 | | | | | | | | | | | 87 | 18 | 52 |
| 17 | 77 | 40 | 58 | 67 | 51 | 59 | 62 | 52 | 57 | 1132 | 7 | 0.10 | 0 | 95 | 28 | 62 |
| 18 | 50 | 45 | 48 | | | | | | | | | | | 100 | 81 | 90 |
| 19 | 79 | 45 | 62 | | | | | | | | | | | 100 | 14 | 57 |
| 20 | 82 | 51 | 66 | | | | | | | | | | | 98 | 14 | 56 |
| 21 | 83 | 49 | 66 | | | | | | | | | | | 94 | 18 | 56 |
| 22 | 85 | 51 | 68 | | | | | | | | | | | 94 | 17 | 56 |
| 23 | 94 | 61 | 78 | | | | | | | | | | | 31 | 12 | 22 |
| 24 | 88 | 57 | 72 | 74 | 53 | 64 | 68 | 54 | 61 | 765 | 5 | 0.00 | 0 | 88 | 23 | 56 |
| 25 | 81 | 55 | 68 | | | | | | | | | | | 74 | 41 | 58 |
| 26 | 77 | 49 | 63 | | | | | | | | | | | 100 | 48 | 74 |
| 27 | 76 | 50 | 63 | | | | | | | | | | | 82 | 32 | 57 |
| 28 | 78 | 49 | 64 | | | | | | | | | | | 64 | 27 | 46 |
| 29 | 70 | 39 | 54 | | | | | | | | | | | 81 | 32 | 56 |
| 30 | 78 | 44 | 61 | 74 | 59 | 66 | 68 | 59 | 63 | 714 | 5 | 0.10 | 0 | 100 | 39 | 70 |
| 31 | 94 | 23 | 58 | 74 | 48 | 62 | 68 | 49 | 59 | 4413 | 6 | 0.20 | | 100 | 12 | 52 |
| Month | 73 | 43 | | 71 | 52 | | 65 | 53 | | | | | | 78 | 26 | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month September Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 79 | 58 | 68 | | | | | | | | | | 64 | 34 | 49 | |
| 2 | 82 | 51 | 66 | | | | | | | | | | 90 | 36 | 63 | |
| 3 | 73 | 50 | 62 | 70 | 59 | 64 | 66 | 60 | 64 | 362 | 5 | 0.01 | 0 | 100 | 44 | 72 |
| 4 | 74 | 47 | 60 | | | | | | | | | | | 100 | 37 | 68 |
| 5 | 73 | 48 | 60 | | | | | | | | | | | 95 | 34 | 64 |
| 6 | 73 | 46 | 60 | | | | | | | | | | | 82 | 32 | 57 |
| 7 | 75 | 49 | 62 | | | | | | | | | | | 65 | 32 | 48 |
| 8 | 67 | 43 | 55 | | | | | | | | | | | 95 | 42 | 68 |
| 9 | 69 | 37 | 53 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 38 | 69 |
| 10 | 75 | 44 | 60 | 65 | 54 | 60 | 62 | 56 | 59 | 841 | 5 | 0.11 | 0 | 82 | 26 | 54 |
| 11 | 79 | 54 | 66 | | | | | | | | | | | 56 | 30 | 43 |
| 12 | 74 | 50 | 62 | | | | | | | | | | | 71 | 43 | 57 |
| 13 | 72 | 48 | 60 | | | | | | | | | | | 76 | 30 | 53 |
| 14 | 76 | 46 | 61 | | | | | | | | | | | 73 | 28 | 50 |
| 15 | 74 | 46 | 60 | | | | | | | | | | | 81 | 34 | 58 |
| 16 | 76 | 46 | 61 | | | | | | | | | | | 69 | 25 | 47 |
| 17 | 80 | 48 | 64 | 66 | 54 | 60 | 62 | 56 | 59 | 976 | 6 | 0.00 | 0 | 67 | 30 | 48 |
| 18 | 76 | 47 | 62 | | | | | | | | | | | 41 | 20 | 30 |
| 19 | 74 | 46 | 60 | | | | | | | | | | | 38 | 21 | 30 |
| 20 | 68 | 37 | 52 | | | | | | | | | | | 58 | 23 | 40 |
| 21 | 70 | 31 | 50 | | | | | | | | | | | 89 | 22 | 56 |
| 22 | 80 | 44 | 62 | | | | | | | | | | | 46 | 18 | 32 |
| 23 | 65 | 42 | 54 | | | | | | | | | | | 100 | 34 | 67 |
| 24 | 44 | 39 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 89 | 94 |
| 25 | 61 | 38 | 50 | 65 | 49 | 57 | 62 | 51 | 56 | 1100 | 6 | 0.69 | 0 | 100 | 50 | 75 |
| 26 | 65 | 40 | 52 | | | | | | | | | | | 100 | 43 | 72 |
| 27 | 58 | 40 | 49 | | | | | | | | | | | 100 | 52 | 76 |
| 28 | 68 | 33 | 50 | | | | | | | | | | | 94 | 21 | 58 |
| 29 | 50 | 28 | 39 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 50 | 75 |
| 30 | 50 | 25 | 38 | 56 | 44 | 50 | 55 | 46 | 51 | 718 | 5 | 0.76 | 0 | 100 | 25 | 62 |
| 31 | | | | | | | | | | | | | | | | |
| Month | 82 | 25 | 57 | 70 | 44 | 58 | 66 | 46 | 58 | 3997 | 5 | 1.57 | | 100 | 18 | 58 |
| Month Mean | 70 | 43 | | 64 | 52 | | 62 | 54 | | | | | | 81 | 35 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrogaph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 4%
 - at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month October Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | | 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 71 | 45 | 58 | | | | | | | | | | 86 | 16 | 51 | |
| 2 | 72 | 47 | 60 | | | | | | | | | | 53 | 27 | 40 | |
| 3 | 65 | 51 | 58 | | | | | | | | | | 63 | 43 | 53 | |
| 4 | 55 | 41 | 48 | | | | | | | | | | 100 | 63 | 82 | |
| 5 | 65 | 40 | 52 | | | | | | | | | | 100 | 34 | 67 | |
| 6 | 54 | 37 | 46 | | | | | | | | | | 100 | 66 | 83 | |
| 7 | 74 | 41 | 58 | | | | | | | | | | 100 | 23 | 62 | |
| 8 | 71 | 50 | 60 | | | | | | | | | | 66 | 32 | 49 | |
| 9 | 70 | 38 | 54 | 57 | 46 | 52 | 55 | 47 | 51 | 1030 | 5 | 0.05 | 0 | 100 | 28 | 64 |
| 10 | 61 | 37 | 49 | | | | | | | | | | | 100 | 24 | 62 |
| 11 | 62 | 32 | 47 | | | | | | | | | | | 100 | 27 | 64 |
| 12 | 64 | 46 | 55 | | | | | | | | | | | 50 | 27 | 38 |
| 13 | 54 | 24 | 39 | | | | | | | | | | | 100 | 34 | 67 |
| 14 | 45 | 20 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 16 | 58 |
| 15 | 60 | 32 | 46 | 56 | 40 | 48 | 54 | 44 | 49 | 1539 | 11 | 0.91 | 0 | 40 | 20 | 30 |
| 16 | 65 | 36 | 50 | | | | | | | | | | | 40 | 21 | 30 |
| 17 | 73 | 44 | 58 | | | | | | | | | | | 29 | 12 | 20 |
| 18 | 63 | 39 | 51 | | | | | | | | | | | 42 | 17 | 30 |
| 19 | 69 | 40 | 54 | | | | | | | | | | | 32 | 17 | 24 |
| 20 | 64 | 34 | 49 | | | | | | | | | | | 70 | 20 | 45 |
| 21 | 64 | 34 | 49 | | | | | | | | | | | 55 | 28 | 42 |
| 22 | 68 | 34 | 51 | 48 | 40 | 44 | 48 | 42 | 45 | 884 | 5 | 0.00 | 0 | 54 | 30 | 42 |
| 23 | 69 | 39 | 54 | | | | | | | | | | | 62 | 29 | 46 |
| 24 | 40 | 20 | 30 | | | | | | | | | | | 100 | 91 | 96 |
| 25 | 34 | 18 | 26 | | | | | | | | | | | 100 | 74 | 87 |
| 26 | 27 | 11 | 19 | | | | | | | | | | | 100 | 84 | 92 |
| 27 | 42 | 11 | 26 | | | | | | | | | | | 100 | 24 | 62 |
| 28 | 47 | 16 | 32 | | | | | | | | | | | 100 | 24 | 62 |
| 29 | 46 | 14 | 30 | | | | | | | | | | | 100 | 26 | 63 |
| 30 | 43 | 24 | 34 | | | | | | | | | | | 62 | 29 | 46 |
| 31 | 47 | 21 | 34 | 46 | 35 | 41 | 46 | 36 | 41 | 835 | 4 | 0.35 | 2 | 67 | 28 | 48 |
| Month | 74 | 11 | 46 | 57 | 35 | 46 | 55 | 36 | 47 | 4288 | 6 | 1.31 | | 100 | 12 | 55 |
| Month Mean | 58 | 33 | | 52 | 40 | | 51 | 42 | | | | | | 77 | 33 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrogaph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 4%
 - at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|-------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 39 | 19 | 29 | | | | | | | | | | | | | | 84 | 43 | 64 |
| 2 | 54 | 20 | 37 | | | | | | | | | | | | | | 84 | 29 | 56 |
| 3 | 46 | 22 | 34 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 4 | 50 | 22 | 36 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 5 | 62 | 34 | 48 | | | | | | | | | | | | | | 34 | 18 | 25 |
| 6 | 62 | 38 | 50 | 34 | 32 | 33 | 37 | 34 | 35 | 528 | 4 | 0.05 | 1 | | | | 34 | 22 | 28 |
| 7 | 57 | 33 | 45 | | | | | | | | | | | | | | 43 | 24 | 34 |
| 8 | 54 | 29 | 42 | | | | | | | | | | | | | | 68 | 33 | 50 |
| 9 | 54 | 31 | 42 | | | | | | | | | | | | | | 62 | 28 | 45 |
| 10 | 65 | 33 | 49 | | | | | | | | | | | | | | 28 | 12 | 20 |
| 11 | 49 | 25 | 37 | | | | | | | | | | | | | | 94 | 25 | 60 |
| 12 | 60 | 37 | 48 | | | | | | | | | | | | | | 62 | 25 | 44 |
| 13 | 39 | 26 | 32 | 34 | 30 | 32 | 36 | 32 | 34 | 502 | 3 | 0.50 | 2 | | | | 100 | 62 | 81 |
| 14 | 53 | 24 | 38 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 15 | 58 | 36 | 47 | | | | | | | | | | | | | | 43 | 24 | 34 |
| 16 | 53 | 30 | 42 | | | | | | | | | | | | | | 70 | 32 | 51 |
| 17 | 38 | 24 | 31 | | | | | | | | | | | | | | 76 | 32 | 54 |
| 18 | 40 | 24 | 32 | | | | | | | | | | | | | | 78 | 43 | 60 |
| 19 | 49 | 30 | 40 | | | | | | | | | | | | | | 54 | 25 | 40 |
| 20 | 49 | 29 | 39 | 33 | 30 | 32 | 35 | 33 | 34 | 1620 | 8 | 0.00 | 1 | | | | 50 | 28 | 39 |
| 21 | 47 | 27 | 37 | | | | | | | | | | | | | | 70 | 41 | 56 |
| 22 | 60 | 33 | 46 | | | | | | | | | | | | | | 66 | 26 | 46 |
| 23 | 54 | 21 | 38 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 24 | 51 | 20 | 36 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 25 | 51 | 40 | 46 | | | | | | | | | | | | | | 46 | 24 | 35 |
| 26 | 42 | 29 | 36 | | | | | | | | | | | | | | 55 | 36 | 48 |
| 27 | 31 | 14 | 22 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 28 | 28 | 06 | 17 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 29 | 16 | 08 | 12 | | | | | | | | | | | | | | | | |
| 30 | 27 | 10 | 18 | | | | | | | | | | | | | | 100 | 32 | 68 |
| 31 | | | | 32 | 28 | 30 | 34 | 30 | 32 | 544 | 6 | 0.50 | N-D | 9 | 6 | | | | |
| Month | 65 | 06 | 37 | 34 | 28 | 32 | 37 | 30 | 34 | 4694 | 6 | 1.05 | | | | | 100 | 12 | 52 |
| Month Mean | 48 | 26 | | 33 | 30 | | 35 | 32 | | | | | | | | | 73 | 31 | |

Key Thermograph (Bourdon Tube) Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge
 Snow Stake
 Oven Drying Method
 Hygograph (Hair)
 Av. of Max & Min

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|-------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | |
| 1 | 43 | 11 | 27 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 2 | 43 | 33 | 38 | | | | | | | | | | | | | | 62 | 44 | 53 |
| 3 | 47 | 36 | 42 | | | | | | | | | | | | | | 89 | 30 | 60 |
| 4 | 39 | 24 | 32 | 32 | 29 | 30 | 32 | 30 | 31 | 1700 | 24 | 0.00 | 2 | | | | 100 | 50 | 75 |
| 5 | 43 | 22 | 32 | | | | | | | | | | | | | | 87 | 25 | 56 |
| 6 | 53 | 29 | 41 | | | | | | | | | | | | | | 43 | 19 | 31 |
| 7 | 44 | 14 | 28 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 8 | 21 | 11 | 16 | | | | | | | | | | | | | | 70 | 24 | 47 |
| 9 | 43 | 17 | 30 | | | | | | | | | | | | | | 30 | 15 | 22 |
| 10 | 41 | 20 | 30 | | | | | | | | | | | | | | 100 | 18 | 59 |
| 11 | 30 | 11 | 20 | 32 | 24 | 28 | 33 | 26 | 30 | 1585 | 9 | 0.00 | 2 | | | | 100 | 59 | 80 |
| 12 | 43 | 15 | 29 | | | | | | | | | | | | | | 100 | 16 | 58 |
| 13 | 48 | 22 | 35 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 14 | 37 | 14 | 26 | | | | | | | | | | | | | | 65 | 16 | 40 |
| 15 | 47 | 21 | 34 | | | | | | | | | | | | | | 99 | 14 | 56 |
| 16 | 21 | 09 | 15 | | | | | | | | | | | | | | 92 | 41 | 66 |
| 17 | 30 | 12 | 21 | | | | | | | | | | | | | | 56 | 46 | 51 |
| 18 | 42 | 25 | 34 | 29 | 19 | 24 | 30 | 22 | 26 | 2040 | 12 | 0.00 | 2 | | | | 56 | 30 | 43 |
| 19 | 52 | 33 | 42 | | | | | | | | | | | | | | 44 | 20 | 32 |
| 20 | 55 | 32 | 44 | | | | | | | | | | | | | | 24 | 15 | 20 |
| 21 | 49 | 30 | 40 | | | | | | | | | | | | | | 24 | 16 | 20 |
| 22 | 53 | 27 | 40 | | | | | | | | | | | | | | 53 | 25 | 39 |
| 23 | 42 | 19 | 30 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 24 | 54 | 27 | 40 | | | | | | | | | | | | | | 47 | 21 | 34 |
| 25 | 41 | 18 | 30 | 26 | 20 | 23 | 28 | 23 | 26 | 1028 | 6 | 0.00 | 1 | | | | 100 | 40 | 70 |
| 26 | 18 | 07 | 12 | | | | | | | | | | | | | | | | |
| 27 | 10 | -04 | 03 | | | | | | | | | | | | | | | | |
| 28 | 35 | -03 | 16 | | | | | | | | | | | | | | | | |
| 29 | 36 | 17 | 26 | | | | | | | | | | | | | | | | |
| 30 | 33 | 10 | 22 | | | | | | | | | | | | | | | | |
| 31 | 35 | 21 | 28 | 28 | 22 | 26 | 28 | 25 | 27 | 773 | 5 | 0.70 | 5 | 7 | 8 | | 100 | 21 | 60 |
| Month | 55 | -04 | 29 | 32 | 19 | 26 | 33 | 22 | 28 | 7126 | 10 | 0.70 | | | | | 100 | 14 | 51 |
| Month Mean | 40 | 19 | | 29 | 23 | | 30 | 25 | | | | | | | | | 75 | 27 | |

Key Thermograph (Bourdon Tube) Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge
 Snow Stake
 Oven Drying Method
 Hygograph (Hair)
 Av. of Max & Min

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|----------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 27 | 18 | 22 | | | | | | | | | | | | | 60 | 28 | 44 | |
| 2 | 26 | 12 | 19 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 3 | 31 | 14 | 22 | | | | | | | | | | | | | 100 | 22 | 61 | |
| 4 | 22 | 12 | 17 | | | | | | | | | | | | | 90 | 54 | 72 | |
| 5 | 33 | 21 | 27 | | | | | | | | | | | | | 88 | 62 | 75 | |
| 6 | 42 | 27 | 34 | | | | | | | | | | | | | 68 | 24 | 46 | |
| 7 | 39 | 28 | 34 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | 60 | 35 | 42 | | |
| 8 | 33 | 05 | 19 | 31 | 21 | 26 | 30 | 24 | 27 | 4273 | 22 | 0.00 | 21 | N-D | | 100 | 40 | 70 | |
| 9 | 14 | 03 | 08 | | | | | | | | | | | | | 100 | 78 | 89 | |
| 10 | 20 | 03 | 12 | | | | | | | | | | | | | 88 | 28 | 56 | |
| 11 | 23 | -01 | 11 | | | | | | | | | | | | | 98 | 30 | 64 | |
| 12 | 25 | -03 | 11 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 13 | 16 | 10 | 13 | | | | | | | | | | | | | 96 | 62 | 79 | |
| 14 | 24 | 11 | 18 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | 92 | 60 | 76 | | |
| 15 | 25 | 17 | 21 | 30 | 17 | 24 | 30 | 20 | 25 | 2427 | 14 | 0.05 | 22 | N-D | | 100 | 42 | 71 | |
| 16 | 32 | 23 | 28 | | | | | | | | | | | | | 50 | 34 | 42 | |
| 17 | 42 | 24 | 33 | | | | | | | | | | | | | 48 | 10 | 29 | |
| 18 | 30 | 19 | 24 | | | | | | | | | | | | | 100 | 48 | 74 | |
| 19 | 30 | 15 | 22 | | | | | | | | | | | | | 100 | 54 | 77 | |
| 20 | 28 | 06 | 17 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 21 | 27 | 16 | 22 | | | | | | | | | | | | | 100 | 22 | 61 | |
| 22 | 33 | 21 | 27 | 30 | 22 | 26 | 29 | 24 | 27 | 2889 | 17 | 0.00 | 20 | N-D | | 38 | 14 | 26 | |
| 23 | 34 | 20 | 27 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 24 | 34 | 21 | 28 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 25 | 35 | 06 | 20 | | | | | | | | | | | | | 100 | 48 | 74 | |
| 26 | 20 | 04 | 12 | | | | | | | | | | | | | 100 | 48 | 74 | |
| 27 | 31 | 14 | 22 | | | | | | | | | | | | | 62 | 20 | 41 | |
| 28 | 35 | 25 | 30 | | | | | | | | | | | | | 90 | 48 | 69 | |
| 29 | 35 | 23 | 29 | | | | | | | | | | | | | 100 | 60 | 80 | |
| 30 | 35 | 24 | 30 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | 3317 | 17 | 0.45 | N-D | N-D | | 82 | 38 | 60 | |
| 31 | 44 | 25 | 34 | 32 | 08 | 20 | 31 | 08 | 20 | 186 | 10 | 0.00 | N-D | N-D | 5 | 8 | 58 | 08 | 33 |
| Month | 44 | -03 | 22 | 32 | 08 | 24 | 31 | 08 | 24 | 13092 | 18 | 0.50 | | | | 100 | 08 | 62 | |
| Month Mean | 30 | 15 | | 31 | 17 | | 30 | 19 | | | | | | | | 86 | 39 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|----------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 36 | 23 | 30 | | | | | | | | | | | | | 68 | 24 | 46 | |
| 2 | 38 | 29 | 34 | | | | | | | | | | | | | 26 | 18 | 22 | |
| 3 | 46 | 30 | 38 | | | | | | | | | | | | | 34 | 20 | 27 | |
| 4 | 45 | 18 | 32 | | | | | | | | | | | | | 76 | 28 | 52 | |
| 5 | 41 | 16 | 28 | 32 | 28 | 30 | 32 | 29 | 30 | 1284 | 10 | 0.00 | 23 | N-D | | 100 | 26 | 63 | |
| 6 | 33 | 16 | 24 | | | | | | | | | | | | | 100 | 24 | 62 | |
| 7 | 46 | 29 | 38 | | | | | | | | | | | | | 44 | 14 | 29 | |
| 8 | 49 | 26 | 38 | | | | | | | | | | | | | 48 | 22 | 35 | |
| 9 | 47 | 32 | 40 | | | | | | | | | | | | | 42 | 10 | 26 | |
| 10 | 35 | 19 | 27 | | | | | | | | | | | | | 97 | 30 | 64 | |
| 11 | 31 | 20 | 26 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | 100 | 42 | 71 | | |
| 12 | 40 | 26 | 33 | 36 | 30 | 33 | 32 | 30 | 31 | 2645 | 16 | 0.00 | 22 | N-D | | 72 | 28 | 50 | |
| 13 | 42 | 29 | 36 | | | | | | | | | | | | | 85 | 24 | 54 | |
| 14 | 36 | 19 | 28 | | | | | | | | | | | | | 100 | 62 | 81 | |
| 15 | 26 | 14 | 20 | | | | | | | | | | | | | | | | |
| 16 | 33 | 10 | 22 | | | | | | | | | | | | | | | | |
| 17 | 39 | 20 | 30 | | | | | | | | | | | | | | | | |
| 18 | 38 | 13 | 26 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | | | | | |
| 19 | 16 | 11 | 14 | 33 | 26 | 29 | 32 | 30 | 31 | 2308 | 14 | 0.00 | 17 | N-D | | 100 | 16 | 58 | |
| 20 | 21 | 11 | 16 | | | | | | | | | | | | | 100 | 68 | 84 | |
| 21 | 32 | 19 | 26 | | | | | | | | | | | | | 100 | 48 | 74 | |
| 22 | 28 | 15 | 22 | | | | | | | | | | | | | 100 | 52 | 76 | |
| 23 | 30 | 16 | 23 | | | | | | | | | | | | | 82 | 55 | 68 | |
| 24 | 37 | 26 | 32 | | | | | | | | | | | | | 88 | 38 | 63 | |
| 25 | 35 | 23 | 29 | | | | | | | | | | | | | 98 | 52 | 75 | |
| 26 | 31 | 09 | 20 | | | | | | | | | | | | | 100 | 55 | 78 | |
| 27 | 09 | -03 | 03 | ∇ | ∇ | ∇ | ∇ | ∇ | ∇ | 4405 | 23 | 0.40 | N-D | N-D | | 100 | 66 | 83 | |
| 28 | 21 | 02 | 12 | 32 | 06 | 19 | 31 | 05 | 18 | 536 | 26 | 0.00 | 25 | N-D | | 100 | 60 | 80 | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 49 | -03 | 26 | 36 | 06 | 28 | 32 | 05 | 28 | 11179 | 17 | 0.40 | | | | 100 | 10 | 59 | |
| Month Mean | 34 | 18 | | 33 | 22 | | 32 | 24 | | | | | | | | 82 | 37 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month March Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches Total Depth | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-------------------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 15 | -05 | 06 | | | | | | | | | | | | | | 100 | 93 | 96 |
| 2 | 03 | -11 | -04 | | | | | | | | | | | | | | 100 | 79 | 90 |
| 3 | 25 | -03 | 11 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 4 | 26 | -03 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 28 | 64 |
| 5 | 26 | 08 | 17 | 28 | 24 | 26 | 30 | 27 | 28 | 1089 | 9 | 0.00 | 32 | N-D | | | 80 | 14 | 47 |
| 6 | 38 | 24 | 31 | | | | | | | | | | | | | | 22 | 12 | 17 |
| 7 | 33 | 16 | 24 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 8 | 36 | 26 | 31 | | | | | | | | | | | | | | 86 | 40 | 63 |
| 9 | 38 | 26 | 32 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 10 | 42 | 25 | 34 | | | | | | | | | | | | | | 96 | 34 | 65 |
| 11 | 31 | 10 | 20 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 86 | 34 | 60 |
| 12 | 10 | -01 | 04 | 32 | 22 | 26 | 31 | 26 | 28 | 3108 | 18 | 0.20 | N-D | N-D | | | 100 | 70 | 85 |
| 13 | 21 | -04 | 08 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 14 | 27 | 10 | 18 | | | | | | | | | | | | | | 68 | 30 | 49 |
| 15 | 30 | 05 | 18 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 16 | 39 | 17 | 28 | | | | | | | | | | | | | | 94 | 32 | 63 |
| 17 | 40 | 10 | 25 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 18 | 20 | 08 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 62 | 81 |
| 19 | 30 | 12 | 21 | 31 | 19 | 25 | 30 | 24 | 27 | 1929 | 12 | 0.00 | 30 | N-D | | | 100 | 52 | 76 |
| 20 | 29 | 13 | 21 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 21 | 28 | 18 | 23 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 22 | 29 | 17 | 23 | | | | | | | | | | | | | | 100 | 90 | 95 |
| 23 | 40 | 16 | 28 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 24 | 29 | 15 | 22 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 25 | 25 | 13 | 19 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 56 | 78 |
| 26 | 25 | 14 | 20 | 30 | 28 | 29 | 31 | 27 | 29 | 1188 | 7 | 0.60 | 39 | N-D | 20 | 18 | 100 | 46 | 73 |
| 27 | 26 | 16 | 21 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 28 | 38 | 23 | 30 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 29 | 31 | 06 | 18 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 30 | 29 | -04 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 44 | 72 |
| 31 | 20 | -03 | 08 | 30 | 25 | 28 | 30 | 28 | 30 | 1464 | 12 | 0.50 | 43 | N-D | 20 | 18 | 100 | 38 | 69 |
| Month | 42 | -11 | 19 | 32 | 19 | 27 | 31 | 24 | 28 | 8778 | 12 | 1.30 | | | | | 100 | 12 | 70 |
| Month Mean | 28 | 10 | | 32 | 24 | | 30 | 26 | | | | | | | | | 95 | 45 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month April Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches Total Depth | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-------------------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 30 | 15 | 22 | | | | | | | | | | | | | | 60 | 30 | 45 |
| 2 | 40 | 24 | 32 | | | | | | | 1254 | 24 | 0.00 | 39 | N-D | 6 | 7 | 50 | 22 | 36 |
| 3 | 46 | 31 | 38 | | | | | | | | | | | | | | 28 | 14 | 21 |
| 4 | 48 | 30 | 39 | | | | | | | | | | | | | | 32 | 18 | 20 |
| 5 | 44 | 30 | 37 | | | | | | | | | | | | | | 40 | 22 | 31 |
| 6 | 46 | 21 | 34 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 7 | 32 | 17 | 24 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 8 | 44 | 15 | 30 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 9 | 46 | 25 | 36 | 44 | 25 | 34 | 34 | 27 | 30 | 2054 | 12 | 0.10 | 33 | N-D | | | 70 | 30 | 50 |
| 10 | 37 | 23 | 30 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 11 | 39 | 21 | 30 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 12 | 47 | 23 | 35 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 13 | 46 | 30 | 38 | | | | | | | | | | | | | | 90 | 28 | 59 |
| 14 | 44 | 26 | 35 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 15 | 30 | 17 | 24 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 16 | 43 | 22 | 32 | 46 | 31 | 39 | 38 | 32 | 35 | 1691 | 10 | 0.00 | 28 | N-D | | | 36 | 26 | 31 |
| 17 | 50 | 32 | 41 | | | | | | | | | | | | | | 41 | 20 | 30 |
| 18 | 49 | 26 | 38 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 19 | 48 | 26 | 37 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 20 | 49 | 28 | 38 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 21 | 28 | 17 | 22 | | | | | | | | | | | | | | 100 | 94 | 97 |
| 22 | 49 | 18 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 10 | 55 |
| 23 | 55 | 31 | 43 | 48 | 32 | 40 | 39 | 32 | 36 | 1691 | 10 | 0.00 | 28 | N-D | | | 66 | 16 | 41 |
| 24 | 55 | 30 | 42 | | | | | | | | | | | | | | 72 | 26 | 49 |
| 25 | 49 | 30 | 40 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 26 | 44 | 28 | 36 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 27 | 51 | 28 | 40 | | | | | | | | | | | | | | 96 | 26 | 66 |
| 28 | 50 | 28 | 39 | | | | | | | | | | | | | | 88 | 16 | 52 |
| 29 | 34 | 18 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 1108 | 8 | 0.10 | 25 | N-D | | | 100 | 78 | 89 |
| 30 | 34 | 14 | 24 | 52 | 35 | 44 | 44 | 34 | 39 | 54 | 3 | 0.60 | 28 | N-D | | | 100 | 52 | 76 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 55 | 14 | 34 | 52 | 25 | 39 | 44 | 27 | 35 | 7852 | 11 | 0.80 | | | | | 100 | 10 | 56 |
| Month Mean | 44 | 24 | | 48 | 31 | | 39 | 32 | | | | | | | | | 82 | 31 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 67 | 47 | 57 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 2 | 67 | 45 | 56 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 3 | 67 | 41 | 54 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 4 | 71 | 40 | 56 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 5 | 70 | 43 | 56 | | | | | | | | | | | | | | 100 | 32 | 61 |
| 6 | 66 | 48 | 57 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 7 | 65 | 40 | 52 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 8 | 61 | 45 | 53 | 74 | 53 | 64 | 62 | 55 | 59 | 1368 | 7 | 0.10 | 0 | N-D | | 100 | 31 | 66 | |
| 9 | 71 | 50 | 60 | | | | | | | | | | | | | 90 | 30 | 60 | |
| 10 | 76 | 49 | 62 | | | | | | | | | | | | | 49 | 20 | 34 | |
| 11 | 77 | 47 | 62 | | | | | | | | | | | | | 100 | 19 | 60 | |
| 12 | 77 | 45 | 61 | | | | | | | | | | | | | 91 | 20 | 56 | |
| 13 | 76 | 49 | 62 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 14 | 63 | 43 | 53 | | | | | | | | | | | | | 100 | 53 | 76 | |
| 15 | 68 | 48 | 58 | 77 | 52 | 64 | 64 | 55 | 60 | 1143 | 7 | 1.00 | 0 | N-D | | 100 | 33 | 66 | |
| 16 | 69 | 47 | 58 | | | | | | | | | | | | | 100 | 31 | 66 | |
| 17 | 67 | 44 | 56 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 18 | 64 | 41 | 52 | | | | | | | | | | | | | 100 | 43 | 72 | |
| 19 | 65 | 48 | 56 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 20 | 69 | 43 | 56 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 21 | 70 | 47 | 58 | | | | | | | | | | | | | 100 | 31 | 66 | |
| 22 | 50 | 42 | 46 | 71 | 52 | 62 | 61 | 56 | 58 | 832 | 5 | 1.60 | 0 | N-D | | 100 | 49 | 74 | |
| 23 | 57 | 39 | 48 | | | | | | | | | | | | | 100 | 73 | 86 | |
| 24 | 67 | 44 | 56 | | | | | | | | | | | | | 66 | 20 | 43 | |
| 25 | 65 | 43 | 54 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 26 | 68 | 43 | 56 | | | | | | | | | | | | | 100 | 21 | 60 | |
| 27 | 67 | 47 | 57 | | | | | | | | | | | | | 100 | 43 | 72 | |
| 28 | 68 | 42 | 55 | | | | | | | | | | | | | 100 | 11 | 56 | |
| 29 | 72 | 44 | 58 | | | | | | | 904 | 5 | 0.27 | 0 | N-D | | 100 | 22 | 61 | |
| 30 | 71 | 47 | 59 | | | | | | | | | | | | | 100 | 20 | 60 | |
| 31 | 70 | 42 | 56 | 78 | 49 | 64 | 64 | 53 | 58 | 253 | 5 | 0.09 | 0 | N-D | 5 | 4 | 100 | 28 | 64 |
| Month Mean | 77 | 39 | 56 | 78 | 49 | 63 | 64 | 53 | 59 | 4500 | 6 | 3.06 | | | | | 100 | 11 | 64 |
| Month Mean | 68 | 45 | | 75 | 52 | | 62 | 55 | | | | | | | | | 96 | 32 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 of 5-7" = 5%
 of 11-13" = 9%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 71 | 41 | 56 | | | | | | | | | | | | | | 98 | 18 | 58 |
| 2 | 72 | 34 | 53 | | | | | | | | | | | | | | 92 | 15 | 54 |
| 3 | 73 | 42 | 58 | | | | | | | | | | | | | | 58 | 18 | 38 |
| 4 | 65 | 48 | 56 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 5 | 54 | 46 | 50 | 78 | 57 | 68 | 64 | 59 | 62 | 677 | 6 | 0.56 | 0 | N-D | | 100 | 85 | 92 | |
| 6 | 57 | 40 | 48 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 7 | 55 | 38 | 46 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 8 | 64 | 35 | 50 | | | | | | | | | | | | | | 100 | 09 | 54 |
| 9 | 69 | 37 | 53 | | | | | | | | | | | | | | 79 | 14 | 46 |
| 10 | 64 | 41 | 52 | | | | | | | | | | | | | | 89 | 27 | 58 |
| 11 | 57 | 38 | 48 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 12 | 61 | 37 | 49 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 13 | 61 | 41 | 51 | 72 | 47 | 60 | 60 | 54 | 57 | 888 | 5 | 0.34 | 0 | N-D | | 100 | 38 | 69 | |
| 14 | 65 | 36 | 51 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 15 | 65 | 44 | 54 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 16 | 64 | 38 | 51 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 17 | 64 | 36 | 50 | | | | | | | | | | | | | | 100 | 18 | 59 |
| 18 | 62 | 34 | 48 | | | | | | | | | | | | | | 100 | 09 | 54 |
| 19 | 66 | 31 | 48 | 71 | 49 | 60 | 59 | 54 | 56 | 958 | 7 | 0.48 | 0 | N-D | | 65 | 10 | 38 | |
| 20 | 63 | 37 | 50 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 21 | 63 | 36 | 50 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 22 | 54 | 34 | 44 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 23 | 63 | 32 | 48 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 24 | 65 | 38 | 52 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 25 | 65 | 43 | 54 | | | | | | | | | | | | | | 63 | 29 | 46 |
| 26 | 68 | 40 | 54 | 73 | 48 | 60 | 60 | 53 | 56 | 955 | 6 | 0.25 | 0 | N-D | | 92 | 28 | 60 | |
| 27 | 67 | 42 | 54 | | | | | | | | | | | | | | 75 | 28 | 52 |
| 28 | 72 | 39 | 56 | | | | | | | | | | | | | | 83 | 25 | 54 |
| 29 | 73 | 42 | 58 | | | | | | | | | | | | | | 84 | 28 | 56 |
| 30 | 70 | 42 | 56 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 31 | 73 | 43 | 58 | 74 | 55 | 64 | 62 | 58 | 60 | 753 | 6 | 0.02 | 0 | N-D | 7 | 9 | 100 | 20 | 55 |
| Month Mean | 73 | 31 | 52 | 78 | 47 | 62 | 64 | 53 | 58 | 4231 | 6 | 1.65 | | | | | 100 | 09 | 61 |
| Month Mean | 65 | 39 | | 74 | 51 | | 61 | 55 | | | | | | | | | 92 | 30 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 of 5-7" = 5%
 of 11-13" = 9%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-------------|----------------------|--------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| 1 | 68 | 51 | 60 | | | | | | | | | | | | | | 80 | 29 | 54 | |
| 2 | 68 | 45 | 56 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | ↑ | ↑ | 100 | 37 | 68 |
| 3 | 63 | 47 | 55 | 70 | 54 | 62 | 62 | 58 | 60 | 469 | 6 | 0.04 | 0 | N-D | | | 100 | 50 | 75 | |
| 4 | 61 | 40 | 50 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 5 | 61 | 36 | 48 | | | | | | | | | | | | | | 100 | 41 | 70 | |
| 6 | 64 | 41 | 52 | | | | | | | | | | | | | | 94 | 31 | 62 | |
| 7 | 62 | 40 | 51 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 8 | 47 | 36 | 42 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 9 | 55 | 28 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 35 | 68 | |
| 10 | 63 | 33 | 48 | 64 | 46 | 55 | 59 | 52 | 55 | 984 | 6 | 0.20 | 0 | N-D | | | 96 | 19 | 58 | |
| 11 | 68 | 42 | 55 | | | | | | | | | | | | | | 98 | 28 | 63 | |
| 12 | 58 | 44 | 51 | | | | | | | | | | | | | | 96 | 58 | 77 | |
| 13 | 59 | 35 | 47 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 14 | 62 | 34 | 48 | | | | | | | | | | | | | | 100 | 27 | 64 | |
| 15 | 62 | 34 | 48 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 16 | 63 | 35 | 49 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 60 | 23 | 42 | |
| 17 | 67 | 37 | 52 | 66 | 50 | 58 | 58 | 51 | 54 | 1144 | 7 | 0.04 | 0 | N-D | | | 58 | 18 | 38 | |
| 18 | 63 | 37 | 50 | | | | | | | | | | | | | | 38 | 18 | 28 | |
| 19 | 61 | 35 | 48 | | | | | | | | | | | | | | 40 | 19 | 30 | |
| 20 | 57 | 28 | 42 | | | | | | | | | | | | | | 68 | 17 | 42 | |
| 21 | 63 | 28 | 46 | | | | | | | | | | | | | | 68 | 15 | 42 | |
| 22 | 66 | 34 | 50 | | | | | | | | | | | | | | 55 | 18 | 36 | |
| 23 | 54 | 38 | 46 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 24 | 41 | 38 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 100 | 100 | |
| 25 | 57 | 38 | 48 | 66 | 46 | 56 | 58 | 49 | 53 | 1464 | 8 | 1.40 | 0 | N-D | | | 100 | 58 | 79 | |
| 26 | 54 | 36 | 45 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 27 | 49 | 36 | 42 | | | | | | | | | | | | | | 100 | 63 | 82 | |
| 28 | 57 | 38 | 48 | | | | | | | | | | | | | | 72 | 25 | 48 | |
| 29 | 55 | 30 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 32 | 66 | |
| 30 | 56 | 28 | 42 | 57 | 41 | 49 | 52 | 44 | 48 | 1175 | 9 | 1.10 | 0 | N-D | | | 100 | 15 | 58 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 68 | 28 | 48 | 70 | 41 | 56 | 62 | 44 | 54 | 5237 | 7 | 2.78 | | | | | 100 | 15 | 61 | |
| Month Mean | 60 | 37 | 48 | 64 | 48 | | 57 | 51 | | | | | | | | | 87 | 36 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-------------|----------------------|--------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean |
| 1 | 61 | 36 | 48 | | | | | | | | | | | | | | 98 | 12 | 55 |
| 2 | 58 | 46 | 52 | | | | | | | | | | | | | | 64 | 34 | 49 |
| 3 | 57 | 45 | 51 | | | | | | | | | | | | | | 88 | 51 | 70 |
| 4 | 55 | 38 | 46 | | | | | | | | | | | | | | 100 | 74 | 87 |
| 5 | 56 | 38 | 47 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 6 | 52 | 30 | 41 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 7 | 60 | 39 | 50 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 8 | 58 | 45 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 97 | 46 | 72 |
| 9 | 58 | 35 | 46 | 58 | 44 | 51 | 51 | 46 | 48 | 1475 | 8 | 0.20 | 0 | N-D | | | 100 | 44 | 72 |
| 10 | 49 | 33 | 42 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 11 | 48 | 31 | 40 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 12 | 51 | 41 | 46 | | | | | | | | | | | | | | 55 | 40 | 48 |
| 13 | 49 | 21 | 35 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 14 | 31 | 17 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 96 | 37 | 66 |
| 15 | 50 | 27 | 38 | 56 | 36 | 46 | 50 | 40 | 45 | 1949 | 13 | 0.40 | 0 | N-D | | | 62 | 33 | 48 |
| 16 | 54 | 34 | 44 | | | | | | | | | | | | | | 49 | 29 | 39 |
| 17 | 57 | 33 | 45 | | | | | | | | | | | | | | 48 | 23 | 36 |
| 18 | 54 | 33 | 44 | | | | | | | | | | | | | | 59 | 28 | 44 |
| 19 | 55 | 42 | 48 | | | | | | | | | | | | | | 38 | 31 | 34 |
| 20 | 53 | 32 | 42 | | | | | | | | | | | | | | 67 | 31 | 49 |
| 21 | 54 | 29 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 91 | 31 | 61 |
| 22 | 60 | 31 | 46 | 52 | 36 | 44 | 45 | 40 | 43 | 1485 | 9 | 0.00 | 0 | N-D | | | 90 | 39 | 64 |
| 23 | 61 | 30 | 46 | | | | | | | | | | | | | | 99 | 38 | 68 |
| 24 | 36 | 20 | 28 | | | | | | | | | | | | | | 100 | 86 | 93 |
| 25 | 29 | 13 | 21 | | | | | | | | | | | | | | 100 | 74 | 87 |
| 26 | 25 | 06 | 16 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 27 | 38 | 06 | 22 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 28 | 37 | 14 | 26 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 29 | 38 | 14 | 26 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 30 | 32 | 22 | 27 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 84 | 34 | 59 |
| 31 | 38 | 21 | 30 | 54 | 33 | 43 | 46 | 36 | 41 | 1541 | 7 | 0.50 | T | N-D | 11 | 16 | 77 | 33 | 55 |
| Month | 61 | 06 | 39 | 58 | 33 | 46 | 51 | 36 | 44 | 6450 | 9 | 1.10 | | | | | 100 | 12 | 63 |
| Month Mean | 49 | 29 | 41 | 55 | 37 | 46 | 48 | 41 | | | | | | | | | 86 | 41 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-------------------------|-----|-------------------|------|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" 11-13" | Max | Min | Mean | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 35 | 15 | 25 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 2 | 48 | 17 | 32 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 3 | 37 | 20 | 28 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 4 | 38 | 25 | 32 | | | | | | | | | | | | | | | 64 | 30 | 47 |
| 5 | 49 | 30 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 63 | 20 | 42 | |
| 6 | 55 | 28 | 42 | 36 | 32 | 34 | 37 | 34 | 36 | 1134 | 8 | 0.25 | 0 | N-D | | | 70 | 27 | 48 | |
| 7 | 50 | 25 | 38 | | | | | | | | | | | | | | 78 | 29 | 54 | |
| 8 | 48 | 21 | 34 | | | | | | | | | | | | | | 89 | 37 | 63 | |
| 9 | 48 | 22 | 35 | | | | | | | | | | | | | | 86 | 33 | 60 | |
| 10 | 52 | 25 | 38 | | | | | | | | | | | | | | 57 | 17 | 37 | |
| 11 | 48 | 22 | 35 | | | | | | | | | | | | | | 66 | 27 | 46 | |
| 12 | 48 | 28 | 38 | | | | | | | | | | | | | | 85 | 29 | 57 | |
| 13 | 33 | 19 | 26 | 42 | 34 | 38 | 36 | 35 | 36 | 899 | 5 | 0.35 | 6 | N-D | | | 100 | 79 | 90 | |
| 14 | 42 | 16 | 29 | | | | | | | | | | | | | | 100 | 15 | 58 | |
| 15 | 46 | 29 | 38 | | | | | | | | | | | | | | 59 | 15 | 37 | |
| 16 | 43 | 26 | 34 | | | | | | | | | | | | | | 80 | 43 | 62 | |
| 17 | 29 | 20 | 24 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 18 | 32 | 20 | 26 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 19 | 40 | 28 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 58 | 22 | 40 | |
| 20 | 36 | 27 | 32 | 35 | 31 | 33 | 36 | 34 | 35 | 2509 | 15 | 0.00 | T | N-D | | | 63 | 32 | 48 | |
| 21 | 38 | 26 | 32 | | | | | | | | | | | | | | 71 | 53 | 62 | |
| 22 | 47 | 33 | 40 | | | | | | | | | | | | | | 74 | 35 | 54 | |
| 23 | 43 | 33 | 38 | | | | | | | | | | | | | | 65 | 44 | 54 | |
| 24 | 42 | 27 | 34 | | | | | | | | | | | | | | 82 | 52 | 67 | |
| 25 | 43 | 33 | 38 | | | | | | | | | | | | | | 71 | 40 | 56 | |
| 26 | 35 | 21 | 28 | | | | | | | | | | | | | | 87 | 56 | 72 | |
| 27 | 23 | 10 | 16 | | | | | | | 3089 | 19 | 0.05 | T | N-D | | | 100 | 75 | 88 | |
| 28 | 15 | -01 | 07 | | | | | | | | | | | | | | 100 | 75 | 88 | |
| 29 | 12 | 01 | 06 | | | | | | | | | | | | | | 100 | 83 | 92 | |
| 30 | 17 | 07 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 30 | 65 | |
| 31 | | | | 34 | 28 | 32 | 34 | 32 | 33 | 903 | 10 | 0.65 | T | N-D | 13 | 13 | | | | |
| Month | 55 | -01 | 30 | 42 | 28 | 34 | 37 | 32 | 35 | 8534 | 11 | 1.30 | | | | | 100 | 15 | 62 | |
| Month Mean | 39 | 22 | | 37 | 31 | | 36 | 34 | | | | | | | | | 82 | 41 | | |

① Instrument is located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1954
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-------------------------|-----|-------------------|------|-----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 31 | 18 | 24 | | | | | | | | | | | | | | 90 | 30 | 60 |
| 2 | 35 | 27 | 31 | | | | | | | | | | | | | | 89 | 58 | 74 |
| 3 | 38 | 30 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 37 | 68 |
| 4 | 36 | 17 | 26 | 32 | 32 | 32 | 32 | 28 | 30 | 1171 | 17 | 0.10 | T | N-D | | | 100 | 64 | 82 |
| 5 | 30 | 16 | 23 | | | | | | | | | | | | | | 98 | 18 | 58 |
| 6 | 38 | 29 | 34 | | | | | | | | | | | | | | 45 | 16 | 30 |
| 7 | 34 | 07 | 20 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 8 | 13 | 05 | 09 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 9 | 33 | 11 | 22 | | | | | | | | | | | | | | 36 | 15 | 26 |
| 10 | 33 | 14 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 16 | 58 |
| 11 | 20 | 06 | 13 | 33 | 22 | 28 | 33 | 31 | 32 | 2416 | 14 | 0.00 | T | N-D | | | 100 | 63 | 82 |
| 12 | 38 | 14 | 26 | | | | | | | | | | | | | | 73 | 10 | 42 |
| 13 | 34 | 14 | 24 | | | | | | | | | | | | | | 100 | 12 | 56 |
| 14 | 25 | 10 | 18 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 15 | 30 | 16 | 23 | | | | | | | | | | | | | | 100 | 15 | 58 |
| 16 | 16 | 04 | 10 | | | | | | | | | | | | | | 100 | 63 | 82 |
| 17 | 22 | 06 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 85 | 63 | 74 |
| 18 | 32 | 20 | 26 | 30 | 18 | 24 | 31 | 27 | 29 | 3112 | 18 | 0.00 | 0 | N-D | | | 70 | 36 | 53 |
| 19 | 42 | 27 | 34 | | | | | | | | | | | | | | 49 | 22 | 36 |
| 20 | 43 | 28 | 36 | | | | | | | | | | | | | | 23 | 15 | 19 |
| 21 | 46 | 27 | 36 | | | | | | | | | | | | | | 46 | 13 | 30 |
| 22 | 48 | 18 | 33 | | | | | | | | | | | | | | 94 | 31 | 62 |
| 23 | 38 | 12 | 25 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 24 | 43 | 22 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 54 | 24 | 39 |
| 25 | 29 | 15 | 22 | 31 | 25 | 28 | 31 | 27 | 29 | 1809 | 11 | 0.00 | 8 | N-D | | | 100 | 54 | 77 |
| 26 | 15 | 02 | 08 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | 29 | -13 | 08 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 30 | 20 | 09 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 55 | 26 | 40 |
| 31 | 22 | 13 | 18 | 31 | 21 | 26 | 31 | 26 | 29 | 1785 | 12 | 0.60 | 12 | N-D | 15 | N-D | 100 | 55 | 78 |
| Month | 48 | -13 | 23 | 33 | 18 | 28 | 33 | 26 | 30 | 10293 | 14 | 0.70 | | | | | 100 | 10 | 59 |
| Month Mean | 31 | 15 | | 32 | 24 | | 32 | 28 | | | | | | | | | 83 | 34 | |

① Instrument is located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month January Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|----------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 15 | 05 | 10 | | | | | | | | | | | | | | 100 | 97 | 98 |
| 2 | 13 | 00 | 06 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 3 | 18 | 02 | 10 | | | | | | | | | | | | | | 100 | 36 | 66 |
| 4 | 10 | -01 | 04 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 5 | 17 | 09 | 13 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 6 | 28 | 15 | 22 | | | | | | | | | | | | | | 93 | 28 | 60 |
| 7 | 25 | 15 | 20 | | | | | | | | | | | | | | 94 | 48 | 71 |
| 8 | 15 | 03 | 09 | | | | | | | | | | | | | | 70 | 40 | 55 |
| 9 | | | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | 17 | -09 | 04 | 20 | 11 | 16 | 20 | 13 | 16 | 9403 | 24 | 0.00 | 0 | | | | 100 | 24 | 62 |
| 17 | 23 | 07 | 15 | | | | | | | | | | | | | | 80 | 20 | 50 |
| 18 | 12 | 06 | 09 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 19 | 12 | 06 | 09 | | | | | | | | | | | | | | 100 | 88 | 94 |
| 20 | 10 | 04 | 07 | | | | | | | | | | | | | | 100 | 98 | 99 |
| 21 | 08 | 02 | 05 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 22 | 15 | 05 | 10 | | | | | | | | | | | | | | 66 | 24 | 45 |
| 23 | 17 | 07 | 12 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 24 | 17 | 08 | 12 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 25 | 16 | 08 | 12 | | | | | | | | | | | | | | 100 | 82 | 91 |
| 26 | 09 | -02 | 04 | | | | | | | | | | | | | | 100 | 96 | 98 |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 18 | -02 | 08 | 21 | 14 | 17 | 21 | 14 | 18 | 8947 | 25 | 0.80 | 2 | 23 | 18 | | 100 | 10 | 55 |
| Month | 28 | -09 | 10 | 21 | 11 | 16 | 21 | 13 | 17 | 18350 | 25 | 0.80 | | | | | 100 | 10 | 74 |
| Month Mean | 15 | 04 | | 20 | 12 | | 20 | 14 | | | | | | | | | 96 | 53 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month February Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|----------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|-----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 20 | 12 | 16 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 2 | 23 | 15 | 19 | | | | | | | | | | | | | | 40 | 22 | 31 |
| 3 | 30 | 18 | 24 | | | | | | | | | | | | | | 56 | 28 | 42 |
| 4 | 33 | 22 | 28 | | | | | | | | | | | | | | 41 | 29 | 35 |
| 5 | 24 | 11 | 18 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 6 | 19 | 10 | 14 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 7 | 27 | 15 | 21 | | | | | | | | | | | | | | 54 | 22 | 38 |
| 8 | 32 | 22 | 27 | | | | | | | | | | | | | | 50 | 34 | 42 |
| 9 | 30 | 20 | 25 | | | | | | | | | | | | | | 64 | 15 | 40 |
| 10 | 20 | 12 | 16 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | 28 | 08 | 18 | 25 | 18 | 22 | 24 | 19 | 22 | 7176 | 23 | 0.00 | 0 | | | | 100 | 28 | 64 |
| 14 | 22 | 07 | 14 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 15 | 11 | 02 | 06 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 16 | 15 | 02 | 08 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 17 | 24 | 09 | 16 | | | | | | | | | | | | | | 88 | 35 | 62 |
| 18 | 24 | -01 | 12 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 19 | 03 | -04 | 00 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 20 | 11 | 00 | 06 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 21 | 18 | 10 | 14 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 22 | 16 | 04 | 10 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 23 | 15 | 03 | 09 | | | | | | | | | | | | | | | | |
| 24 | 22 | 13 | 18 | | | | | | | | | | | | | | | | |
| 25 | 21 | 11 | 16 | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | 16 | -09 | 04 | | | | | | | | | | | | | | | | |
| 28 | N-D | N-D | N-D | 24 | 12 | 18 | 24 | 14 | 19 | 8544 | 24 | 0.80 | 0 | 57 | N-D | | 100 | 42 | 71 |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 33 | -09 | 15 | 25 | 12 | 20 | 24 | 14 | 20 | 15720 | 23 | 0.80 | | | | | 100 | 15 | 64 |
| Month Mean | 21 | 09 | | 24 | 15 | | 24 | 17 | | | | | | | | | 85 | 43 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month March Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|-----|------|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 05 | -12 | -04 | | | | | | | | | | | | | | | | |
| 2 | -05 | -15 | -10 | | | | | | | | | | | | | | | | |
| 3 | 11 | -14 | -01 | | | | | | | | | | | | | | | | |
| 4 | 15 | -03 | 06 | | | | | | | | | | | | | | | | |
| 5 | 12 | -05 | 04 | | | | | | | | | | | | | | | | |
| 6 | 24 | 10 | 17 | | | | | | | | | | | | | | | | |
| 7 | 20 | 09 | 14 | | | | | | | | | | | | | | | | |
| 8 | 23 | 14 | 18 | | | | | | | | | | | | | | | | |
| 9 | 24 | 18 | 21 | | | | | | | | | | | | | | | | |
| 10 | 28 | 15 | 22 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | 20 | -10 | 05 | 22 | 09 | 16 | 21 | 12 | 16 | N-D | N-D | 0.80 | 2 | | | | | | |
| 14 | 12 | -02 | 05 | | | | | | | | | | | | | | | | |
| 15 | 19 | 06 | 12 | | | | | | | | | | | | | | | | |
| 16 | 28 | 15 | 22 | | | | | | | | | | | | | | | | |
| 17 | 29 | -01 | 14 | | | | | | | | | | | | | | | | |
| 18 | 06 | -01 | 02 | | | | | | | | | | | | | | | | |
| 19 | 20 | 04 | 12 | | | | | | | | | | | | | | | | |
| 20 | 15 | 08 | 12 | | | | | | | | | | | | | | | | |
| 21 | 15 | 10 | 12 | | | | | | | | | | | | | | | | |
| 22 | 25 | 11 | 18 | | | | | | | | | | | | | | | | |
| 23 | 23 | 15 | 19 | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 23 | -07 | 08 | 23 | 16 | 20 | 21 | 10 | 16 | 16 21 | 19 | 2.35 | 4 | 22 | N-D | N-D | N-D | N-D | N-D |
| Month | 29 | -15 | 10 | 23 | 09 | 18 | 21 | 10 | 16 | | | 2.15 | | | | | | | |
| Month Mean | 18 | 03 | | 23 | 13 | | 21 | 11 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrometer (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month April Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 17 | 03 | 10 | | | | | | | | | | | | | | | | |
| 2 | 28 | 12 | 20 | | | | | | | | | | | | | | | | |
| 3 | 33 | 19 | 26 | | | | | | | | | | | | | | | | |
| 4 | 39 | 22 | 30 | | | | | | | | | | | | | | | | |
| 5 | 31 | 21 | 26 | | | | | | | | | | | | | | | | |
| 6 | 35 | 13 | 24 | | | | | | | | | | | | | | | | |
| 7 | 20 | 06 | 13 | | | | | | | | | | | | | | | | |
| 8 | 32 | 16 | 24 | | | | | | | | | | | | | | | | |
| 9 | 31 | 18 | 24 | | | | | | | | | | | | | | | | |
| 10 | 31 | 15 | 23 | 28 | 16 | 22 | 30 | 17 | 24 | 4790 | 20 | 0.30 | 0 | | | | | | |
| 11 | 31 | 18 | 24 | | | | | | | | | | | | | | | | |
| 12 | 32 | 20 | 26 | | | | | | | | | | | | | | | | |
| 13 | 32 | 20 | 26 | | | | | | | | | | | | | | | | |
| 14 | 30 | 13 | 22 | | | | | | | | | | | | | | | | |
| 15 | 14 | 08 | 11 | | | | | | | | | | | | | | | | |
| 16 | 31 | 09 | 20 | | | | | | | | | | | | | | | | |
| 17 | 36 | 21 | 28 | | | | | | | | | | | | | | | | |
| 18 | 35 | 21 | 28 | | | | | | | | | | | | | | | | |
| 19 | 32 | 20 | 26 | 30 | 21 | 25 | 30 | 23 | 26 | 5014 | 23 | 0.50 | 2 | | | | | | |
| 20 | 33 | 23 | 28 | | | | | | | | | | | | | | | | |
| 21 | 29 | 16 | 22 | | | | | | | | | | | | | | | | |
| 22 | 34 | 20 | 27 | | | | | | | | | | | | | | | | |
| 23 | 40 | 25 | 32 | | | | | | | | | | | | | | | | |
| 24 | 43 | 28 | 36 | | | | | | | | | | | | | | | | |
| 25 | 38 | 21 | 30 | | | | | | | | | | | | | | | | |
| 26 | 29 | 20 | 24 | | | | | | | | | | | | | | | | |
| 27 | 36 | 23 | 30 | | | | | | | | | | | | | | | | |
| 28 | 38 | 20 | 29 | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | 23 | 13 | 18 | 32 | 26 | 29 | 32 | 26 | 30 | 3812 | 14 | 0.85 | 7 | 50 | 23 | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 43 | 03 | 24 | 32 | 16 | 25 | 32 | 17 | 26 | 13616 | 19 | 1.65 | | | | | | | |
| Month Mean | 31 | 17 | | 30 | 21 | | 31 | 22 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrometer (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month May Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|------------------|----------------------|-----------------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 23 | 06 | 14 | | | | | | | | | | | | | 100 | 100 | 100 |
| 2 | 15 | 05 | 10 | | | | | | | | | | | | | 100 | 76 | 88 |
| 3 | 31 | 14 | 22 | | | | | | | | | | | | | 100 | 57 | 78 |
| 4 | 35 | 22 | 28 | | | | | | | | | | | | | 100 | 41 | 70 |
| 5 | 37 | 28 | 32 | | | | | | | | | | | | | 79 | 45 | 62 |
| 6 | 37 | 23 | 30 | | | | | | | | | | | | | 100 | 36 | 68 |
| 7 | 38 | 24 | 31 | | | | | | | | | | | | | 100 | 24 | 62 |
| 8 | 43 | 30 | 36 | | | | | | | | | | | | | 100 | 30 | 65 |
| 9 | 49 | 32 | 40 | | | | | | | | | | | | | 100 | 23 | 62 |
| 10 | 36 | 24 | 30 | | | | | | | | | | | | | 100 | 39 | 70 |
| 11 | 37 | 24 | 30 | 33 | 27 | 30 | 32 | 29 | 30 | 4721 | 18 | 0.50 | T | | | 100 | 55 | 78 |
| 12 | 45 | 30 | 38 | | | | | | | | | | | | | 90 | 36 | 63 |
| 13 | 44 | 33 | 38 | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 49 | 30 | 40 | | | | | | | | | | | | | 100 | 32 | 66 |
| 15 | 48 | 32 | 40 | | | | | | | | | | | | | 70 | 30 | 50 |
| 16 | 48 | 31 | 40 | | | | | | | | | | | | | 100 | 34 | 67 |
| 17 | 44 | 26 | 35 | | | | | | | | | | | | | 100 | 40 | 70 |
| 18 | 48 | 32 | 40 | | | | | | | | | | | | | 83 | 35 | 59 |
| 19 | 54 | 36 | 45 | | | | | | | | | | | | | 56 | 24 | 40 |
| 20 | 55 | 30 | 42 | | | | | | | | | | | | | 56 | 32 | 44 |
| 21 | 52 | 34 | 43 | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | |
| 24 | 45 | 28 | 36 | 43 | 30 | 36 | 37 | 30 | 33 | 3614 | 11 | 0.75 | 0 | | | 66 | 42 | 54 |
| 25 | 35 | 24 | 30 | | | | | | | | | | | | | 100 | 26 | 63 |
| 27 | 39 | 16 | 28 | | | | | | | | | | | | | 100 | 24 | 62 |
| 28 | 30 | 09 | 20 | | | | | | | | | | | | | 82 | 32 | 57 |
| 29 | 41 | 20 | 30 | | | | | | | | | | | | | 67 | 28 | 48 |
| 30 | 46 | 20 | 33 | | | | | | | | | | | | | 100 | 29 | 64 |
| 31 | 37 | 15 | 26 | 38 | 32 | 35 | 37 | 30 | 34 | 2821 | 17 | 0.15 | 0 | 25 | 21 | 100 | 36 | 68 |
| Month | 55 | 05 | 32 | 43 | 27 | 34 | 37 | 29 | 32 | 11156 | 15 | 1.40 | | | | 100 | 23 | 65 |
| Month Mean | 41 | 24 | | 38 | 30 | | 35 | 30 | | | | | | | | 91 | 39 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month June Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|------------------|----------------------|-----------------------|-------------------------|--------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 37 | 13 | 25 | | | | | | | | | | | | 25 | 21 | 100 | 46 | 73 |
| 2 | 25 | 11 | 18 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 3 | 45 | 23 | 34 | | | | | | | | | | | | | | 65 | 25 | 45 |
| 4 | 53 | 37 | 45 | | | | | | | | | | | | | | 33 | 25 | 29 |
| 5 | 53 | 35 | 44 | | | | | | | | | | | | | | 31 | 19 | 25 |
| 6 | 37 | 14 | 26 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 7 | 33 | 14 | 24 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 8 | 41 | 27 | 34 | 43 | 30 | 36 | 38 | 29 | 34 | 3181 | 17 | 0.75 | 0 | | | | 34 | 22 | 28 |
| 9 | 50 | 32 | 41 | | | | | | | | | | | | | | 74 | 26 | 50 |
| 10 | 49 | 26 | 38 | | | | | | | | | | | | | | 70 | 24 | 47 |
| 11 | 44 | 24 | 34 | | | | | | | | | | | | | | 73 | 28 | 50 |
| 12 | 50 | 30 | 40 | | | | | | | | | | | | | | 61 | 29 | 45 |
| 13 | 49 | 34 | 42 | | | | | | | | | | | | | | 100 | 55 | 78 |
| 14 | 40 | 27 | 34 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 15 | 42 | 26 | 34 | 42 | 33 | 38 | 40 | 32 | 36 | 2104 | 12 | 0.20 | 0 | | | | 100 | 34 | 67 |
| 16 | 47 | 35 | 41 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 17 | 57 | 32 | 44 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 18 | 56 | 40 | 48 | | | | | | | | | | | | | | 77 | 20 | 48 |
| 19 | 59 | 44 | 52 | | | | | | | | | | | | | | 60 | 20 | 40 |
| 20 | 57 | 45 | 51 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 21 | 58 | 40 | 49 | | | | | | | | | | | | | | 44 | 18 | 31 |
| 22 | 64 | 45 | 54 | 50 | 36 | 43 | 44 | 36 | 40 | 1920 | 11 | 0.10 | 0 | | | | 48 | 22 | 35 |
| 23 | 67 | 50 | 58 | | | | | | | | | | | | | | 62 | 38 | 50 |
| 24 | 62 | 49 | 56 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 25 | 59 | 44 | 52 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 26 | 51 | 38 | 44 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 27 | 47 | 35 | 41 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 28 | 52 | 34 | 43 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 29 | 49 | 34 | 42 | | | | | | | | | | | | | | | | |
| 30 | 56 | 35 | 46 | 53 | 41 | 47 | 48 | 42 | 44 | 2203 | 12 | 0.50 | 0 | 29 | 21 | 100 | 26 | 63 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 67 | 11 | 41 | 53 | 30 | 41 | 48 | 29 | 38 | 9408 | 13 | 1.55 | | | | | 100 | 18 | 56 |
| Month Mean | 50 | 32 | | 47 | 35 | | 42 | 35 | | | | | | | | 80 | 32 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month July Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|------------------|----------------------|-----------------------|-------------------------------------|-----|-------------------|-----|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 56 | 40 | 48 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 2 | 55 | 38 | 46 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 3 | 58 | 42 | 50 | | | | | | | | | | | | | | 68 | 30 | 49 |
| 4 | 56 | 43 | 50 | | | | | | | | | | | | | | 90 | 38 | 64 |
| 5 | 57 | 40 | 48 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 6 | 56 | 42 | 49 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 7 | 55 | 39 | 47 | 52 | 44 | 48 | 48 | 42 | 45 | 1955 | 12 | 0.50 | 0 | | | | 100 | 49 | 74 |
| 8 | 54 | 42 | 48 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 9 | 57 | 41 | 49 | | | | | | | | | | | | | | 77 | 40 | 58 |
| 10 | 63 | 47 | 55 | | | | | | | | | | | | | | 58 | 31 | 44 |
| 11 | 64 | 47 | 56 | | | | | | | | | | | | | | 63 | 28 | 46 |
| 12 | 64 | 49 | 56 | | | | | | | | | | | | | | 63 | 32 | 48 |
| 13 | 65 | 45 | 55 | | | | | | | | | | | | | | 88 | 38 | 63 |
| 14 | 55 | 42 | 48 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 15 | 56 | 43 | 50 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 16 | 57 | 41 | 49 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 17 | 55 | 40 | 48 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 23 | 58 | 36 | 47 | 56 | 42 | 49 | 50 | 43 | 46 | 3814 | 10 | 3.10 | 0 | | | | 100 | 28 | 64 |
| 24 | 56 | 43 | 50 | | | | | | | | | | | | | | 66 | 20 | 43 |
| 25 | 55 | 42 | 48 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 26 | 57 | 43 | 50 | | | | | | | | | | | | | | 94 | 32 | 63 |
| 27 | 53 | 42 | 48 | | | | | | | | | | | | | | 100 | 59 | 80 |
| 28 | 58 | 40 | 49 | | | | | | | | | | | | | | 100 | 21 | 60 |
| 29 | 60 | 47 | 54 | | | | | | | | | | | | | | 70 | 30 | 50 |
| 30 | 58 | 42 | 50 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 31 | 61 | 46 | 54 | 53 | 43 | 48 | 48 | 43 | 46 | 2308 | 12 | 0.90 | 0 | 37 | 18 | | 78 | 28 | 53 |
| Month | 65 | 36 | 50 | 56 | 42 | 48 | 50 | 42 | 46 | 8077 | 11 | 4.50 | | | | | 100 | 21 | 64 |
| Month Mean | 58 | 42 | 50 | 54 | 43 | 49 | 43 | 46 | 46 | | | | | | | | 89 | 39 | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month August Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|------------------|----------------------|-----------------------|-------------------------------------|-----|-------------------|-----|----|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Average Vel. mph | | | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 58 | 44 | 51 | | | | | | | | | | | | | | 68 | 24 | 46 |
| 2 | 59 | 45 | 52 | | | | | | | | | | | | | | 38 | 21 | 30 |
| 3 | 60 | 44 | 52 | | | | | | | | | | | | | | 84 | 24 | 54 |
| 4 | 53 | 41 | 47 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 5 | 45 | 39 | 42 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 6 | 48 | 37 | 42 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 7 | 49 | 36 | 42 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 8 | 52 | 40 | 46 | | | | | | | | | | | | | | 52 | 16 | 34 |
| 9 | 58 | 43 | 50 | | | | | | | | | | | | | | 61 | 20 | 40 |
| 10 | 55 | 37 | 46 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 13 | 51 | 36 | 44 | 55 | 42 | 48 | 50 | 44 | 48 | 2963 | 10 | 1.45 | 0 | | | | 100 | 54 | 77 |
| 14 | 55 | 37 | 46 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 15 | 54 | 40 | 47 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 16 | 53 | 36 | 44 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 17 | 52 | 37 | 44 | | | | | | | | | | | | | | 78 | 26 | 52 |
| 18 | 51 | 36 | 44 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 19 | 53 | 38 | 46 | | | | | | | | | | | | | | 36 | 18 | 27 |
| 20 | 52 | 31 | 42 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 21 | 48 | 32 | 40 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 22 | 40 | 29 | 34 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 23 | 53 | 35 | 44 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 27 | 56 | 39 | 48 | | | | | | | 3968 | 12 | 1.10 | 0 | | | | 100 | 30 | 65 |
| 28 | 58 | 44 | 51 | | | | | | | | | | | | | | 63 | 33 | 48 |
| 29 | 58 | 44 | 51 | | | | | | | | | | | | | | 68 | 35 | 52 |
| 30 | 58 | 43 | 50 | | | | | | | | | | | | | | 88 | 28 | 58 |
| 31 | 60 | 45 | 52 | 51 | 40 | 45 | 48 | 42 | 45 | 815 | 8 | 0.10 | 0 | 24 | 11 | | 60 | 29 | 44 |
| Month | 60 | 29 | 46 | 55 | 40 | 47 | 50 | 42 | 46 | 7746 | 10 | 2.65 | | | | | 100 | 16 | 59 |
| Month Mean | 53 | 39 | 46 | 53 | 41 | 47 | 49 | 44 | 46 | | | | | | | | 84 | 34 | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month September Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | | | |
|------------|----------------------------|-----|----------------------|--|----|----|--------------|----|----------------------|-------------------------------|-------------------------|------------|--------------------|------------------|----------------------|-----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" | 11-13" | Max | Min | Mean | | | | |
| 1 | 59 | 45 | 52 | | | | | | | | N-D | N-D | 100 | 37 | 68 | | | | |
| 2 | 59 | 43 | 50 | | | | | | | | | | 100 | 43 | 72 | | | | |
| 3 | 50 | 37 | 44 | | | | | | | | | | 100 | 64 | 82 | | | | |
| 4 | 49 | 36 | 42 | | | | | | | | | | 100 | 51 | 76 | | | | |
| 5 | 48 | 35 | 42 | | | | | | | | | | | | | | | | |
| 6 | 50 | 36 | 43 | | | | | | | | | | | | | | | | |
| 7 | 52 | 37 | 44 | | | | | | | | | | | | | | | | |
| 8 | 41 | 30 | 36 | | | | | | | | | | | | | | | | |
| 9 | 49 | 30 | 40 | | | | | | | | | | | | | | | | |
| 10 | 50 | 40 | 45 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | 100 | 21 | 60 | | | | |
| 17 | | | | | | | | | | | | | 35 | 18 | 26 | | | | |
| 18 | | | | | | | | | | | | | 35 | 18 | 26 | | | | |
| 19 | 55 | 28 | 42 | 52 | 38 | 45 | 48 | 40 | 44 | 7276 | 16 | 0.95 | 0 | 42 | 28 | 35 | | | |
| 20 | 50 | 35 | 42 | | | | | | | | | | | 39 | 23 | 31 | | | |
| 21 | 55 | 39 | 47 | | | | | | | | | | | 48 | 30 | 39 | | | |
| 22 | 44 | 30 | 37 | | | | | | | | | | | 100 | 46 | 73 | | | |
| 23 | 33 | 30 | 32 | | | | | | | | | | | 100 | 99 | 100 | | | |
| 24 | 41 | 30 | 36 | | | | | | | | | | | 100 | 59 | 80 | | | |
| 25 | 37 | 27 | 32 | | | | | | | | | | | 100 | 78 | 89 | | | |
| 26 | 31 | 28 | 30 | | | | | | | | | | | 100 | 85 | 92 | | | |
| 27 | 39 | 28 | 34 | | | | | | | | | | | | | | | | |
| 28 | 38 | 23 | 30 | | | | | | | | | | | | | | | | |
| 29 | 39 | 24 | 32 | | | | | | | | | | | 100 | 48 | 74 | | | |
| 30 | 39 | 26 | 32 | 45 | 34 | 40 | 44 | 36 | 40 | 3683 | 13 | | N-D | N-D | N-D | 100 | 34 | 67 | |
| 31 | | | | | | | | | | | | 2.90 | 0 | | | | | | |
| Month | 59 | 23 | 40 | 52 | 34 | 42 | 48 | 36 | 42 | 10959 | 15 | 3.85 | | | | | 100 | 18 | 64 |
| Month Mean | 46 | 33 | 40 | 48 | 36 | 42 | 46 | 38 | 42 | | | | | | | | 82 | 46 | |
| Key | Thermograph (Bourdon Tube) | | Average of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Average of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month October Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | | | |
|------------|----------------------------|-----|----------------------|--|----|----|--------------|----|----------------------|-------------------------------|-------------------------|------------|--------------------|------------------|----------------------|-----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" | 11-13" | Max | Min | Mean | | | | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | 44 | 31 | 37 | | | | | | | | | | | | | | 95 | 52 | 74 |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 49 | 05 | 27 | 40 | 30 | 35 | 39 | 32 | 35 | 14624 | 20 | 0.00 | | T | 26 | N-D | 100 | 25 | 62 |
| Month | 49 | 05 | 32 | 40 | 30 | 35 | 39 | 32 | 35 | 14624 | 20 | 1.41 | | | | | 100 | 25 | 68 |
| Month Mean | 46 | 18 | 32 | 40 | 30 | 35 | 39 | 32 | 35 | | | | | | | | 98 | 39 | |
| Key | Thermograph (Bourdon Tube) | | Average of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Average of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month November Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 29 | 15 | 22 | | | | | | | | | | | | | | 95 | 51 | 73 |
| 2 | 37 | 18 | 28 | | | | | | | | | | | | | | 100 | 57 | 78 |
| 3 | 25 | 15 | 20 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 4 | 23 | 14 | 18 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 5 | 34 | 18 | 25 | | | | | | | | | | | | | | 73 | 38 | 56 |
| 6 | 42 | 30 | 36 | | | | | | | | | | | | | | 50 | 40 | 45 |
| 7 | 42 | 26 | 34 | | | | | | | | | | | | | | 65 | 35 | 50 |
| 8 | 39 | 16 | 28 | | | | | | | | | | | | | | 57 | 46 | 52 |
| 9 | | | | | | | | | | | | | | | | | 60 | 27 | 44 |
| 10 | | | | | | | | | | | | | | | | | 36 | 26 | 31 |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | ↓ | ↓ | ↓ | |
| 14 | 41 | 18 | 30 | 31 | 28 | 30 | 32 | 31 | 32 | 4294 | 13 | 0.45 | 3 | | | 100 | 27 | 64 | |
| 15 | 31 | 23 | 27 | | | | | | | | | | | | | | 92 | 22 | 57 |
| 16 | 31 | 16 | 24 | | | | | | | | | | | | | | 100 | 61 | 80 |
| 17 | 15 | 09 | 12 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 18 | 15 | 10 | 12 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 19 | 22 | 13 | 18 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 20 | 20 | 12 | 16 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 21 | 20 | 12 | 16 | | | | | | | | | | | | | | 100 | 79 | 90 |
| 22 | 29 | 18 | 24 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 23 | 29 | 19 | 24 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 24 | 24 | 19 | 22 | | | | | | | | | | | | | | 100 | 80 | 90 |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | ↓ | ↓ | ↓ | |
| 30 | 27 | -06 | 10 | | | | | | | | | | | | | | 100 | 57 | 78 |
| 31 | | | | 30 | 19 | 24 | 32 | 21 | 26 | 11744 | 29 | 0.55 | 2 | | | N-D | N-D | | |
| Month | 42 | -06 | 22 | 31 | 19 | 27 | 32 | 21 | 29 | 16038 | 22 | 1.00 | | | | | 100 | 22 | 70 |
| Month Mean | 29 | 16 | | 30 | 24 | | 32 | 26 | | | | | | | | | 88 | 52 | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

| | | | | | | | | | | | | | | |
|-----|------------------------------|------------------|--|--|--|--|--|--|---------------------------------|-----------------|------------|----------------------|--------------------|------------------|
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) ② | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min |
|-----|------------------------------|------------------|--|--|--|--|--|--|---------------------------------|-----------------|------------|----------------------|--------------------|------------------|

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month December Year 1954

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|-----|-----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | ↓ | ↓ | ↓ | |
| 2 | 19 | 15 | 17 | | | | | | | | | | | | | | 100 | 87 | 94 | |
| 3 | 25 | 17 | 21 | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 4 | 23 | 08 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 5 | 21 | 07 | 14 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 6 | 25 | 18 | 22 | | | | | | | | | | | | | | 81 | 30 | 56 | |
| 7 | 21 | -03 | 09 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 8 | 01 | -05 | -02 | | | | | | | | | | | | | | | | | |
| 9 | 18 | 00 | 09 | | | | | | | | | | | | | | | | | |
| 10 | 17 | 09 | 13 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | ↓ | ↓ | ↓ | | |
| 17 | 21 | -09 | 06 | 24 | 13 | 19 | 25 | 16 | 20 | 10504 | 26 | 0.55 | 0 | | | 100 | 21 | 60 | | |
| 18 | 26 | 13 | 20 | | | | | | | | | | | | | | 38 | 24 | 31 | |
| 19 | 24 | 20 | 22 | | | | | | | | | | | | | | 63 | 20 | 42 | |
| 20 | 34 | 19 | 26 | | | | | | | | | | | | | | 66 | 31 | 48 | |
| 21 | 40 | 24 | 32 | | | | | | | | | | | | | | 64 | 37 | 50 | |
| 22 | 33 | 21 | 27 | | | | | | | | | | | | | | 57 | 43 | 50 | |
| 23 | 29 | 16 | 22 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 24 | 16 | 10 | 13 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 25 | 10 | -07 | 02 | | | | | | | | | | | | | | | | | |
| 26 | -07 | -10 | -08 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | ↓ | ↓ | ↓ | | |
| 31 | 17 | -09 | 04 | 23 | 14 | 18 | 23 | 15 | 19 | 6997 | 21 | 0.10 | 4 | | | 53 | 37 | 100 | 37 | 68 |
| Month | 40 | -10 | 14 | 24 | 13 | 18 | 25 | 15 | 20 | 17501 | 24 | 0.65 | | | | | 100 | 20 | 66 | |
| Month Mean | 21 | 08 | | 24 | 13 | | 24 | 15 | | | | | | | | | 86 | 47 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

| | | | | | | | | | | | | | | |
|-----|------------------------------|------------------|--|--|--|--|--|--|---------------------------------|-----------------|------------|----------------------|--------------------|------------------|
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) ② | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min |
|-----|------------------------------|------------------|--|--|--|--|--|--|---------------------------------|-----------------|------------|----------------------|--------------------|------------------|

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month January Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" 11-13" | Max | Min | Mean | Max | Min |
| 1 | 40 | 26 | 33 | | | | | | | | | | | | 4 | 4 | 74 | 42 | 58 |
| 2 | 54 | 33 | 44 | | | | | | | | | | | | | | 65 | 29 | 47 |
| 3 | 43 | 26 | 34 | | | | | | | | | | | | | | 83 | 49 | 66 |
| 4 | 48 | 21 | 34 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 5 | 24 | 10 | 17 | | | | | | | | | | | | | | 100 | 87 | 94 |
| 6 | 31 | 09 | 20 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 7 | 41 | 11 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 92 | 27 | 60 | |
| 8 | 35 | 12 | 24 | 32 | 29 | 31 | 34 | 30 | 32 | 1286 | 7 | 0.20 | 6 | | | 100 | 36 | 68 | |
| 9 | 28 | 10 | 19 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 10 | 36 | 18 | 27 | | | | | | | | | | | | | | 53 | 26 | 40 |
| 11 | 30 | 19 | 24 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 12 | 40 | 19 | 30 | | | | | | | | | | | | | | 62 | 22 | 42 |
| 13 | 53 | 27 | 40 | | | | | | | | | | | | | | 35 | 08 | 22 |
| 14 | 34 | 14 | 24 | | | | | | | | | | | | | | 64 | 29 | 46 |
| 15 | 47 | 14 | 30 | 30 | 24 | 27 | 32 | 28 | 30 | 1246 | 7 | 0.00 | 5 | | | 49 | 16 | 32 | |
| 16 | 37 | 16 | 26 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 17 | 26 | 11 | 18 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 18 | 32 | 10 | 21 | | | | | | | | | | | | | | 67 | 32 | 50 |
| 19 | 46 | 18 | 32 | | | | | | | | | | | | | | 58 | 18 | 38 |
| 20 | 31 | 13 | 22 | | | | | | | | | | | | | | 58 | 33 | 46 |
| 21 | 26 | 11 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 54 | 33 | 44 | |
| 22 | 25 | 09 | 17 | 27 | 24 | 26 | 30 | 27 | 28 | 1061 | 6 | 0.20 | 5 | | | 49 | 34 | 42 | |
| 23 | 36 | 14 | 25 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 24 | 39 | 13 | 26 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 25 | 45 | 21 | 33 | | | | | | | | | | | | | | 60 | 26 | 43 |
| 26 | 37 | 20 | 28 | | | | | | | | | | | | | | 61 | 30 | 46 |
| 27 | 38 | 20 | 29 | | | | | | | | | | | | | | 54 | 36 | 45 |
| 28 | 42 | 19 | 30 | | | | | | | | | | | | | | 53 | 22 | 38 |
| 29 | 51 | 31 | 41 | | | | | | | | | | | | | | 32 | 13 | 22 |
| 30 | 50 | 30 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 30 | 16 | 23 |
| 31 | 43 | 23 | 33 | 28 | 24 | 26 | 30 | 26 | 28 | 1879 | 9 | 0.00 | 4 | 7 | 4 | 66 | 24 | 45 | |
| Month Mean | 54 | 09 | 28 | 32 | 24 | 27 | 34 | 26 | 30 | 5472 | 7 | 0.40 | | | | 100 | 08 | 52 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month February Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" 11-13" | Max | Min | Mean | Max | Min |
| 1 | 45 | 22 | 34 | | | | | | | | | | | | | | 67 | 31 | 49 |
| 2 | 33 | 18 | 26 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 3 | 20 | 04 | 12 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 4 | 26 | 02 | 14 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 5 | 32 | 11 | 22 | 28 | 25 | 27 | 30 | 27 | 28 | 510 | 4 | 0.40 | 8 | | | 51 | 24 | 38 | |
| 6 | 29 | 07 | 18 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 7 | 34 | 18 | 26 | | | | | | | | | | | | | | 53 | 26 | 40 |
| 8 | 49 | 30 | 40 | | | | | | | | | | | | | | 46 | 18 | 32 |
| 9 | 37 | 04 | 20 | | | | | | | | | | | | | | 98 | 31 | 64 |
| 10 | 23 | -02 | 10 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 11 | 43 | 10 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 54 | 18 | 36 |
| 12 | 54 | 22 | 38 | 29 | 26 | 28 | 30 | 27 | 28 | 1701 | 10 | 0.15 | 6 | | | 40 | 12 | 26 | |
| 13 | 51 | 30 | 40 | | | | | | | | | | | | | | 37 | 17 | 27 |
| 14 | 55 | 33 | 44 | | | | | | | | | | | | | | 44 | 14 | 29 |
| 15 | 50 | 30 | 40 | | | | | | | | | | | | | | 90 | 28 | 59 |
| 16 | 50 | 28 | 39 | | | | | | | | | | | | | | 77 | 19 | 48 |
| 17 | 52 | 31 | 42 | | | | | | | | | | | | | | 72 | 16 | 44 |
| 18 | 32 | -02 | 15 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 72 | 86 |
| 19 | 11 | -02 | 04 | 31 | 27 | 29 | 32 | 27 | 30 | 1149 | 7 | 0.40 | 6 | | | 100 | 73 | 86 | |
| 20 | 27 | -02 | 12 | | | | | | | | | | | | | | 94 | 30 | 62 |
| 21 | 26 | 04 | 15 | | | | | | | | | | | | | | 70 | 35 | 52 |
| 22 | 34 | 06 | 20 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 23 | 15 | 06 | 10 | | | | | | | | | | | | | | 100 | 65 | 82 |
| 24 | 42 | 10 | 26 | | | | | | | | | | | | | | 65 | 14 | 40 |
| 25 | 50 | 27 | 38 | | | | | | | | | | | | | | 57 | 12 | 34 |
| 26 | 40 | 19 | 30 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 27 | 45 | 25 | 35 | 31 | 28 | 30 | 32 | 29 | 30 | 1284 | 7 | 0.35 | 8 | 8 | 4 | 62 | 19 | 40 | |
| 28 | 34 | 23 | 28 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 55 | -02 | 26 | 31 | 25 | 28 | 32 | 27 | 29 | 4644 | 7 | 1.30 | | | | 100 | 12 | 55 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month March Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 45 | 27 | 36 | | | | | | | | | | | | | | | 42 | 23 | 32 |
| 2 | 50 | 29 | 40 | | | | | | | | | | | | | | | 29 | 16 | 22 |
| 3 | 46 | 30 | 38 | | | | | | | | | | | | | | | 38 | 22 | 30 |
| 4 | 45 | 08 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 22 | 61 | |
| 5 | 38 | 00 | 19 | 31 | 29 | 30 | 32 | 30 | 31 | 1978 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 29 | 64 | |
| 6 | 41 | 16 | 28 | | | | | | | | | 0.20 | 4 | | | | 52 | 24 | 38 | |
| 7 | 49 | 22 | 36 | | | | | | | | | | | | | | 51 | 21 | 36 | |
| 8 | 58 | 33 | 46 | | | | | | | | | | | | | | 32 | 06 | 19 | |
| 9 | 56 | 40 | 48 | | | | | | | | | | | | | | 53 | 10 | 32 | |
| 10 | 44 | 32 | 38 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 11 | 48 | 37 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 50 | 29 | 40 | |
| 12 | 54 | 31 | 42 | 38 | 30 | 34 | 33 | 30 | 32 | 1677 | 10 | | | | | | 77 | 26 | 52 | |
| 13 | 56 | 30 | 43 | | | | | | | | | | | | | | 100 | 20 | 60 | |
| 14 | 59 | 22 | 40 | | | | | | | | | | | | | | 100 | 12 | 56 | |
| 15 | 29 | 11 | 20 | | | | | | | | | | | | | | 100 | 71 | 86 | |
| 16 | 38 | 11 | 24 | | | | | | | | | | | | | | 100 | 51 | 76 | |
| 17 | 29 | 13 | 21 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 18 | 47 | 12 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 98 | 17 | 58 | |
| 19 | 43 | 23 | 33 | 44 | 32 | 38 | 37 | 31 | 34 | 910 | 5 | 0.80 | 12 | | | | 80 | 27 | 54 | |
| 20 | 25 | -01 | 12 | | | | | | | | | | | | | | 100 | 72 | 86 | |
| 21 | 27 | -03 | 12 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 22 | 41 | 18 | 30 | | | | | | | | | | | | | | 59 | 28 | 44 | |
| 23 | 39 | 17 | 28 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 24 | 35 | 01 | 18 | | | | | | | | | | | | | | 100 | 43 | 72 | |
| 25 | 16 | -05 | 06 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 46 | 73 | |
| 26 | 27 | -07 | 10 | 32 | 32 | 32 | 34 | 33 | 34 | 1597 | 10 | 1.30 | 10 | | | | 100 | 46 | 73 | |
| 27 | 44 | 04 | 24 | | | | | | | | | | | | | | 95 | 26 | 60 | |
| 28 | 59 | 19 | 39 | | | | | | | | | | | | | | 49 | 16 | 32 | |
| 29 | 56 | 33 | 44 | | | | | | | | | | | | | | 46 | 26 | 36 | |
| 30 | 59 | 30 | 44 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 31 | 43 | 23 | 33 | 36 | 32 | 34 | 36 | 32 | 34 | 752 | 5 | 0.20 | 0 | 12 | 11 | | 100 | 25 | 62 | |
| Month | 59 | -07 | 31 | 44 | 29 | 34 | 37 | 30 | 33 | 6914 | 9 | 2.50 | | | | | 100 | 06 | 54 | |
| Month Mean | 43 | 18 | | 36 | 31 | | 34 | 31 | | | | | | | | | 79 | 30 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month April Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-----------------------|-----|-----|-------------------|----|----|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | Max | Min | Mean | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 54 | 26 | 40 | | | | | | | | | | | | | | 48 | 24 | 36 | |
| 2 | 61 | 30 | 46 | | | | | | | | | | | | | | 51 | 15 | 33 | |
| 3 | 35 | 22 | 28 | | | | | | | | | | | | | | 49 | 33 | 41 | |
| 4 | 37 | 20 | 28 | | | | | | | | | | | | | | 45 | 30 | 38 | |
| 5 | 42 | 19 | 30 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 6 | 39 | 20 | 30 | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 7 | 51 | 22 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 32 | 66 | |
| 8 | 55 | 29 | 42 | 43 | 32 | 38 | 38 | 34 | 36 | 1402 | 8 | 0.05 | 0 | | | | 70 | 25 | 48 | |
| 9 | 58 | 32 | 45 | | | | | | | | | | | | | | 66 | 16 | 41 | |
| 10 | 66 | 33 | 50 | | | | | | | | | | | | | | 40 | 16 | 28 | |
| 11 | 44 | 24 | 34 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 12 | 40 | 23 | 32 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 13 | 56 | 25 | 40 | | | | | | | | | | | | | | 73 | 24 | 48 | |
| 14 | 66 | 35 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 36 | 11 | 24 | |
| 15 | 66 | 42 | 54 | 51 | 34 | 42 | 42 | 36 | 39 | 959 | 6 | 0.45 | 0 | | | | 26 | 11 | 18 | |
| 16 | 67 | 34 | 50 | | | | | | | | | | | | | | 61 | 15 | 38 | |
| 17 | 66 | 41 | 54 | | | | | | | | | | | | | | 40 | 22 | 31 | |
| 18 | 64 | 36 | 50 | | | | | | | | | | | | | | 54 | 16 | 35 | |
| 19 | 46 | 27 | 36 | | | | | | | | | | | | | | 89 | 23 | 56 | |
| 20 | 58 | 29 | 44 | | | | | | | | | | | | | | 32 | 18 | 25 | |
| 21 | 67 | 37 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 34 | 16 | 25 | |
| 22 | 65 | 43 | 54 | 55 | 38 | 46 | 47 | 40 | 44 | 1639 | 10 | 0.00 | 0 | | | | 46 | 20 | 33 | |
| 23 | 56 | 33 | 44 | | | | | | | | | | | | | | 69 | 25 | 47 | |
| 24 | 67 | 38 | 52 | | | | | | | | | | | | | | 60 | 23 | 42 | |
| 25 | 75 | 38 | 56 | | | | | | | | | | | | | | 50 | 11 | 30 | |
| 26 | 76 | 45 | 60 | | | | | | | | | | | | | | 26 | 10 | 18 | |
| 27 | 46 | 28 | 37 | | | | | | | | | | | | | | 80 | 18 | 49 | |
| 28 | 61 | 20 | 40 | | | | | | | | | | | | | | 79 | 21 | 50 | |
| 29 | 72 | 37 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 38 | 18 | 28 | |
| 30 | 76 | 45 | 60 | 62 | 42 | 52 | 51 | 44 | 48 | 1687 | 9 | 0.00 | 0 | 10 | 9 | | 54 | 23 | 38 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 76 | 19 | 44 | 62 | 32 | 45 | 51 | 34 | 42 | 5687 | 8 | 0.50 | | | | | 100 | 10 | 41 | |
| Month Mean | 58 | 31 | | 53 | 37 | | 44 | 39 | | | | | | | | | 61 | 22 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|--------|-----|-------------------|------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | Max | Min |
| 1 | 77 | 46 | 62 | | | | | | | | | | | | | | | 48 | 21 | 34 |
| 2 | 69 | 35 | 52 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 3 | 54 | 30 | 42 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 4 | 70 | 37 | 54 | | | | | | | | | | | | | | | 40 | 14 | 27 |
| 5 | 69 | 42 | 56 | | | | | | | | | | | | | | | 34 | 14 | 24 |
| 6 | 75 | 48 | 62 | 62 | 43 | 53 | 52 | 47 | 50 | 1303 | 9 | 0.10 | 0 | | | | 28 | 14 | 21 | |
| 7 | 64 | 34 | 49 | | | | | | | | | | | | | | | 86 | 28 | 57 |
| 8 | 60 | 44 | 52 | | | | | | | | | | | | | | | 100 | 39 | 70 |
| 9 | 56 | 32 | 44 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 10 | 56 | 34 | 45 | | | | | | | | | | | | | | | 100 | 44 | 72 |
| 11 | 70 | 39 | 54 | | | | | | | | | | | | | | | 87 | 17 | 52 |
| 12 | 76 | 47 | 62 | | | | | | | | | | | | | | | 28 | 11 | 20 |
| 13 | 75 | 50 | 62 | 64 | 44 | 54 | 54 | 48 | 51 | 955 | 6 | 0.15 | 0 | | | | 31 | 11 | 21 | |
| 14 | 76 | 49 | 62 | | | | | | | | | | | | | | | 57 | 12 | 34 |
| 15 | 77 | 48 | 62 | | | | | | | | | | | | | | | 30 | 09 | 20 |
| 16 | 62 | 30 | 46 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 17 | 60 | 30 | 45 | | | | | | | | | | | | | | | 100 | 21 | 60 |
| 18 | 38 | 33 | 36 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 19 | 45 | 38 | 42 | | | | | | | | | | | | | | | 100 | 70 | 85 |
| 20 | 69 | 39 | 54 | 66 | 42 | 54 | 56 | 46 | 51 | 994 | 6 | 2.30 | 0 | | | | 70 | 22 | 46 | |
| 21 | 70 | 46 | 58 | | | | | | | | | | | | | | | 59 | 30 | 44 |
| 22 | 68 | 47 | 58 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 23 | 72 | 39 | 56 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 24 | 74 | 43 | 58 | | | | | | | | | | | | | | | 77 | 16 | 48 |
| 25 | 59 | 40 | 50 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 26 | 58 | 38 | 48 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 27 | 53 | 33 | 43 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 28 | 62 | 32 | 47 | | | | | | | | | | | | | | | 83 | 16 | 50 |
| 29 | 67 | 32 | 50 | | | | | | | | | | | | | | | 90 | 21 | 56 |
| 30 | 78 | 45 | 62 | | | | | | | | | | | | | | | 48 | 11 | 30 |
| 31 | 74 | 50 | 62 | 64 | 44 | 54 | 55 | 41 | 48 | 1667 | 6 | 0.40 | 0 | 12 | 13 | | 46 | 17 | 32 | |
| Month | 78 | 30 | 53 | 66 | 42 | 54 | 56 | 41 | 50 | 4919 | 7 | 2.95 | | | | | 100 | 09 | 51 | |
| Month Mean | 66 | 40 | | 64 | 43 | | 54 | 46 | | | | | | | | | 76 | 27 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|--------|-----|-------------------|------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | Max | Min |
| 1 | 67 | 45 | 56 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 2 | 65 | 43 | 54 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 3 | 65 | 37 | 51 | | | | | | | | | | | | | | | 74 | 22 | 48 |
| 4 | 46 | 34 | 40 | | | | | | | | | | | | | | | 100 | 52 | 76 |
| 5 | 60 | 39 | 50 | 65 | 44 | 55 | 56 | 51 | 54 | 723 | 6 | 0.40 | 0 | | | | 100 | 32 | 66 | |
| 6 | 58 | 41 | 50 | | | | | | | | | | | | | | | 100 | 51 | 76 |
| 7 | 80 | 42 | 61 | | | | | | | | | | | | | | | 100 | 14 | 57 |
| 8 | 50 | 39 | 44 | | | | | | | | | | | | | | | 100 | 72 | 86 |
| 9 | 55 | 34 | 44 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 10 | 56 | 34 | 45 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 11 | 59 | 40 | 50 | 68 | 46 | 56 | 56 | 51 | 53 | 503 | 4 | 1.05 | 0 | | | | 100 | 56 | 78 | |
| 12 | 70 | 42 | 56 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 13 | 73 | 45 | 59 | | | | | | | | | | | | | | | 98 | 20 | 59 |
| 14 | 68 | 41 | 54 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 15 | 65 | 41 | 53 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 16 | 74 | 44 | 59 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 17 | 62 | 42 | 52 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 18 | 70 | 44 | 57 | 61 | 47 | 54 | 55 | 51 | 53 | 741 | 4 | 0.95 | 0 | | | | 80 | 29 | 54 | |
| 19 | 73 | 49 | 61 | | | | | | | | | | | | | | | 44 | 21 | 32 |
| 20 | 81 | 50 | 66 | | | | | | | | | | | | | | | 47 | 19 | 33 |
| 21 | 78 | 54 | 66 | | | | | | | | | | | | | | | 56 | 24 | 40 |
| 22 | 79 | 51 | 65 | | | | | | | | | | | | | | | 67 | 28 | 48 |
| 23 | 91 | 53 | 72 | | | | | | | | | | | | | | | 55 | 10 | 32 |
| 24 | 67 | 50 | 58 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 25 | 74 | 54 | 64 | 73 | 50 | 61 | 61 | 54 | 58 | 992 | 6 | 0.05 | 0 | | | | 100 | 40 | 70 | |
| 26 | 77 | 49 | 63 | | | | | | | | | | | | | | | 95 | 28 | 66 |
| 27 | 76 | 52 | 64 | | | | | | | | | | | | | | | 96 | 30 | 63 |
| 28 | 85 | 51 | 68 | | | | | | | | | | | | | | | 50 | 12 | 31 |
| 29 | 90 | 56 | 73 | | | | | | | | | | | | | | | 45 | 10 | 28 |
| 30 | 68 | 45 | 56 | 76 | 54 | 65 | 63 | 58 | 61 | 762 | 6 | 0.05 | 0 | 9 | 10 | | 51 | 16 | 34 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 91 | 34 | 57 | 76 | 44 | 58 | 63 | 51 | 56 | 3721 | 5 | 2.50 | | | | | 100 | 10 | 58 | |
| Month Mean | 69 | 45 | | 68 | 48 | | 58 | 53 | | | | | | | | | 85 | 32 | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month July Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|----------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| 1 | 87 | 50 | 68 | | | | | | | | | | | | | | 32 | 15 | 24 |
| 2 | 88 | 54 | 71 | | | | | | | | | | | | | | 36 | 16 | 26 |
| 3 | 85 | 56 | 70 | | | | | | | | | | | | | | 57 | 21 | 39 |
| 4 | 85 | 57 | 71 | | | | | | | | | | | | | | 46 | 17 | 32 |
| 5 | 85 | 58 | 72 | | | | | | | | | | | | | | 92 | 26 | 59 |
| 6 | 89 | 58 | 74 | | | | | | | | | | | | | | 56 | 21 | 38 |
| 7 | 84 | 58 | 71 | | | | | | | | | | | | | | 30 | 19 | 24 |
| 8 | 76 | 50 | 63 | | | | | | | | | | | | | | 92 | 28 | 60 |
| 9 | 84 | 52 | 68 | 76 | 56 | 66 | 64 | 60 | 62 | 1348 | 6 | 0.20 | 0 | | | | 98 | 34 | 66 |
| 10 | 92 | 62 | 77 | | | | | | | | | | | | | | 48 | 15 | 32 |
| 11 | 83 | 55 | 69 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 12 | 90 | 51 | 70 | | | | | | | | | | | | | | 70 | 10 | 40 |
| 13 | 85 | 57 | 71 | | | | | | | | | | | | | | 59 | 26 | 42 |
| 14 | 90 | 57 | 74 | | | | | | | | | | | | | | 70 | 22 | 46 |
| 15 | 85 | 52 | 68 | | | | | | | | | | | | | | 72 | 28 | 50 |
| 16 | 85 | 55 | 70 | 80 | 56 | 68 | 66 | 62 | 64 | 966 | 6 | 0.14 | 0 | | | | 72 | 28 | 50 |
| 17 | 89 | 51 | 70 | | | | | | | | | | | | | | 50 | 12 | 31 |
| 18 | 84 | 57 | 70 | | | | | | | | | | | | | | 60 | 23 | 42 |
| 19 | 85 | 54 | 70 | | | | | | | | | | | | | | 60 | 25 | 42 |
| 20 | 85 | 57 | 71 | | | | | | | | | | | | | | 100 | 35 | 58 |
| 21 | 90 | 60 | 75 | | | | | | | | | | | | | | 100 | 19 | 60 |
| 22 | 87 | 60 | 74 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 23 | 86 | 53 | 70 | 80 | 60 | 70 | 68 | 64 | 66 | 993 | 6 | 0.37 | 0 | | | | 100 | 32 | 66 |
| 24 | 76 | 52 | 64 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 25 | 82 | 56 | 69 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 26 | 72 | 55 | 64 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 27 | 74 | 54 | 64 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 28 | 82 | 53 | 68 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 29 | 85 | 58 | 72 | | | | | | | | | | | | | | 42 | 23 | 42 |
| 30 | 85 | 59 | 72 | | | | | | | | | | | | | | 48 | 17 | 32 |
| 31 | 90 | 62 | 76 | 80 | 56 | 67 | 68 | 62 | 65 | 1104 | 6 | 1.17 | 0 | 6 | 5 | | 85 | 25 | 55 |
| Month | 92 | 50 | 70 | 80 | 56 | 68 | 68 | 60 | 64 | 4411 | 6 | 1.88 | 0 | | | | 100 | 10 | 50 |
| Month Mean | 85 | 56 | 70 | 79 | 57 | 67 | 67 | 62 | 64 | | | | | | | | 74 | 26 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month August Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|----------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| 1 | 86 | 61 | 74 | | | | | | | | | | | | | | 93 | 35 | 64 |
| 2 | 88 | 61 | 74 | | | | | | | | | | | | | | 60 | 27 | 44 |
| 3 | 88 | 60 | 74 | | | | | | | | | | | | | | 89 | 34 | 62 |
| 4 | 83 | 56 | 64 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 5 | 75 | 55 | 65 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 6 | 76 | 53 | 64 | 78 | 62 | 70 | 68 | 64 | 66 | 805 | 6 | 0.18 | 0 | | | | 100 | 35 | 68 |
| 7 | 65 | 52 | 58 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 8 | 78 | 55 | 66 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 9 | 80 | 55 | 68 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 10 | 75 | 51 | 63 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 11 | 75 | 49 | 62 | | | | | | | | | | | | | | 95 | 29 | 62 |
| 12 | 83 | 57 | 70 | 71 | 56 | 64 | 66 | 62 | 64 | 767 | 5 | 1.30 | 0 | | | | 60 | 22 | 41 |
| 13 | 84 | 60 | 72 | | | | | | | | | | | | | | 57 | 27 | 42 |
| 14 | 69 | 50 | 60 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 15 | 77 | 50 | 64 | | | | | | | | | | | | | | 93 | 35 | 64 |
| 16 | 84 | 53 | 68 | | | | | | | | | | | | | | 55 | 23 | 39 |
| 17 | 78 | 55 | 66 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 18 | 83 | 54 | 68 | | | | | | | | | | | | | | 82 | 24 | 53 |
| 19 | 82 | 56 | 69 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 20 | 78 | 52 | 65 | 78 | 57 | 67 | 66 | 62 | 64 | 965 | 5 | 0.43 | 0 | | | | 81 | 33 | 57 |
| 21 | 86 | 56 | 71 | | | | | | | | | | | | | | 54 | 13 | 34 |
| 22 | 88 | 56 | 72 | | | | | | | | | | | | | | 60 | 22 | 41 |
| 23 | 88 | 60 | 74 | | | | | | | | | | | | | | 41 | 18 | 30 |
| 24 | 85 | 61 | 73 | | | | | | | | | | | | | | 50 | 23 | 36 |
| 25 | 87 | 58 | 72 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 26 | 84 | 58 | 71 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 27 | 80 | 51 | 66 | 80 | 60 | 70 | 67 | 63 | 65 | 1117 | 6 | 0.68 | 0 | | | | 100 | 30 | 65 |
| 28 | 80 | 50 | 65 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 29 | 65 | 48 | 56 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 30 | 74 | 45 | 60 | | | | | | | | | | | | | | 62 | 22 | 42 |
| 31 | 84 | 53 | 68 | 78 | 52 | 65 | 65 | 60 | 62 | 716 | 8 | 0.37 | 0 | N-D | N-D | | 51 | 14 | 32 |
| Month | 88 | 45 | 68 | 80 | 52 | 67 | 68 | 60 | 64 | 4370 | 6 | 2.96 | 0 | | | | 100 | 13 | 57 |
| Month Mean | 80 | 55 | 70 | 77 | 57 | 67 | 66 | 62 | 64 | | | | | | | | 83 | 31 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
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Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|----------------------|-----------------------|-------------------------|--------|-------------------|-----|------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | | | | | | | | Mean |
| 1 | 91 | 57 | 74 | | | | | | | | | 5 | 6 | 30 | 09 | 21 |
| 2 | 81 | 53 | 67 | | | | | | | | | | | 40 | 22 | 30 |
| 3 | 83 | 52 | 68 | | | | | | | | | | | 39 | 18 | 28 |
| 4 | 78 | 51 | 64 | | | | | | | | | | | 72 | 29 | 50 |
| 5 | 84 | 50 | 67 | | | | | | | | | | | 74 | 18 | 46 |
| 6 | 80 | 54 | 67 | | | | | | | | | | | 50 | 28 | 39 |
| 7 | 87 | 55 | 71 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 17 | 58 |
| 8 | 85 | 58 | 72 | 80 | 56 | 68 | 66 | 62 | 64 | 1016 | 6 | 0.16 | 0 | 31 | 15 | 23 |
| 9 | 84 | 48 | 66 | | | | | | | | | | | 56 | 17 | 36 |
| 10 | 69 | 40 | 54 | | | | | | | | | | | 96 | 38 | 67 |
| 11 | 69 | 43 | 56 | | | | | | | | | | | 95 | 36 | 66 |
| 12 | 85 | 53 | 69 | | | | | | | | | | | 40 | 11 | 26 |
| 13 | 82 | 57 | 70 | | | | | | | | | | | 36 | 18 | 27 |
| 14 | 87 | 58 | 72 | | | | | | | | | | | 39 | 20 | 30 |
| 15 | 83 | 57 | 70 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 41 | 19 | 30 |
| 16 | 84 | 51 | 68 | 73 | 52 | 62 | 64 | 60 | 62 | 1563 | 8 | 0.00 | 0 | 43 | 23 | 33 |
| 17 | 77 | 55 | 66 | | | | | | | | | | | 53 | 29 | 41 |
| 18 | 74 | 48 | 61 | | | | | | | | | | | 100 | 41 | 70 |
| 19 | 62 | 48 | 55 | | | | | | | | | | | 100 | 65 | 82 |
| 20 | 62 | 44 | 53 | | | | | | | | | | | 100 | 20 | 60 |
| 21 | 71 | 42 | 56 | | | | | | | | | | | 33 | 16 | 24 |
| 22 | 53 | 35 | 44 | | | | | | | | | | | 100 | 19 | 60 |
| 23 | 59 | 38 | 48 | 71 | 49 | 60 | 63 | 58 | 60 | 709 | 4 | 0.13 | 0 | 100 | 54 | 77 |
| 24 | 46 | 31 | 38 | | | | | | | | | | | 100 | 90 | 95 |
| 25 | 38 | 31 | 34 | | | | | | | | | | | 100 | 100 | 100 |
| 26 | 60 | 31 | 46 | | | | | | | | | | | 100 | 17 | 58 |
| 27 | 65 | 36 | 50 | | | | | | | | | | | 55 | 29 | 42 |
| 28 | 76 | 45 | 60 | | | | | | | | | | | 32 | 09 | 20 |
| 29 | 63 | 38 | 50 | | | | | | | | | | | 60 | 16 | 38 |
| 30 | 62 | 34 | 48 | 65 | 42 | 54 | 58 | 52 | 55 | 844 | 4 | 0.70 | 0 | 7 | 9 | 86 |
| 31 | 9 | | | | | | | | | | | | | | | |
| Month Mean | 91 | 31 | 60 | 80 | 42 | 61 | 66 | 52 | 60 | 4132 | 6 | 0.99 | | 100 | 09 | 48 |
| Month Mean | 73 | 46 | 60 | 72 | 50 | 63 | 63 | 58 | 60 | | | | | 67 | 29 | 60 |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|----------------------|-----------------------|-------------------------|--------|-------------------|-----|------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | | | | | | | | Mean |
| 1 | 66 | 42 | 54 | | | | | | | | | 7 | 9 | 83 | 30 | 56 |
| 2 | 66 | 39 | 52 | | | | | | | | | | | 89 | 46 | 68 |
| 3 | 71 | 48 | 60 | | | | | | | | | | | 60 | 30 | 45 |
| 4 | 75 | 47 | 61 | | | | | | | | | | | 57 | 17 | 37 |
| 5 | 60 | 34 | 47 | | | | | | | | | | | 100 | 24 | 62 |
| 6 | 51 | 29 | 40 | | | | | | | | | | | 62 | 24 | 43 |
| 7 | 70 | 38 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 27 | 15 | 21 |
| 8 | 74 | 47 | 60 | 64 | 44 | 53 | 56 | 52 | 54 | 1249 | 7 | 0.00 | 0 | 20 | 08 | 14 |
| 9 | 75 | 47 | 61 | | | | | | | | | | | 19 | 10 | 14 |
| 10 | 78 | 50 | 64 | | | | | | | | | | | 27 | 14 | 20 |
| 11 | 67 | 33 | 50 | | | | | | | | | | | 84 | 27 | 56 |
| 12 | 62 | 32 | 47 | | | | | | | | | | | 98 | 30 | 64 |
| 13 | 64 | 36 | 50 | | | | | | | | | | | 59 | 30 | 44 |
| 14 | 71 | 38 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 59 | 26 | 42 |
| 15 | 71 | 45 | 58 | 64 | 44 | 54 | 56 | 51 | 53 | 1146 | 7 | 0.00 | 0 | 51 | 25 | 38 |
| 16 | 66 | 36 | 51 | | | | | | | | | | | 78 | 37 | 58 |
| 17 | 71 | 42 | 56 | | | | | | | | | | | 67 | 25 | 46 |
| 18 | 77 | 42 | 60 | | | | | | | | | | | 54 | 18 | 36 |
| 19 | 77 | 53 | 65 | | | | | | | | | | | 35 | 22 | 28 |
| 20 | 68 | 44 | 56 | | | | | | | | | | | 88 | 34 | 61 |
| 21 | 65 | 39 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 90 | 42 | 66 |
| 22 | 62 | 41 | 52 | 59 | 44 | 52 | 54 | 51 | 52 | 921 | 5 | 0.00 | 0 | 100 | 40 | 70 |
| 23 | 41 | 23 | 32 | | | | | | | | | | | 100 | 21 | 60 |
| 24 | 54 | 37 | 50 | | | | | | | | | | | 22 | 05 | 14 |
| 25 | 71 | 44 | 58 | | | | | | | | | | | 18 | 03 | 10 |
| 26 | 63 | 44 | 54 | | | | | | | | | | | 38 | 12 | 25 |
| 27 | 47 | 27 | 37 | | | | | | | | | | | 78 | 34 | 56 |
| 28 | 45 | 28 | 36 | | | | | | | | | | | 98 | 33 | 66 |
| 29 | 41 | 25 | 33 | | | | | | | | | | | 83 | 31 | 57 |
| 30 | 55 | 33 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 58 | 33 | 46 |
| 31 | 53 | 28 | 40 | 56 | 34 | 44 | 53 | 42 | 48 | 1790 | 8 | 0.35 | 0 | 4 | 4 | 100 |
| Month Mean | 78 | 23 | 51 | 64 | 34 | 51 | 56 | 42 | 52 | 5106 | 7 | 0.35 | | 100 | 03 | 45 |
| Month Mean | 64 | 38 | 50 | 61 | 42 | 55 | 55 | 49 | 50 | | | | | 65 | 25 | 50 |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
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Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month November Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" (I-15") | N-D | Max | Min | Mean | |
| 1 | 33 | 21 | 27 | | | | | | | | | | | | | | | | |
| 2 | 40 | 11 | 26 | | | | | | | | | | | | | | | | |
| 3 | 65 | 28 | 46 | | | | | | | | | | | | | | | | |
| 4 | 65 | 44 | 54 | | | | | | | | | | | | | | | | |
| 5 | 60 | 26 | 43 | 45 | 30 | 37 | 44 | 40 | 42 | 766 | 6 | 0.10 | 0 | | | | 70 | 10 | 40 |
| 6 | 48 | 19 | 34 | | | | | | | | | | | | | | | | |
| 7 | 35 | 18 | 26 | | | | | | | | | | | | | | | | |
| 8 | 54 | 22 | 38 | | | | | | | | | | | | | | | | |
| 9 | 42 | 31 | 36 | | | | | | | | | | | | | | | | |
| 10 | 51 | 30 | 40 | | | | | | | | | | | | | | | | |
| 11 | 41 | 27 | 34 | | | | | | | | | | | | | | | | |
| 12 | 47 | 21 | 34 | | | | | | | | | | | | | | | | |
| 13 | 29 | 20 | 24 | 47 | 33 | 40 | 44 | 39 | 42 | 1393 | 7 | 1.05 | 6 | | | | 100 | 38 | 69 |
| 14 | 54 | 22 | 38 | | | | | | | | | | | | | | | | |
| 15 | 24 | -02 | 11 | | | | | | | | | | | | | | | | |
| 16 | 20 | -01 | 10 | | | | | | | | | | | | | | | | |
| 17 | 24 | 07 | 16 | | | | | | | | | | | | | | | | |
| 18 | 42 | 18 | 30 | | | | | | | | | | | | | | | | |
| 19 | 56 | 34 | 45 | 36 | 34 | 35 | 40 | 37 | 38 | 1171 | 8 | 0.30 | 2 | | | | 84 | 35 | 60 |
| 20 | 66 | 42 | 54 | | | | | | | | | | | | | | | | |
| 21 | 59 | 37 | 48 | | | | | | | | | | | | | | | | |
| 22 | 39 | 18 | 28 | | | | | | | | | | | | | | | | |
| 23 | 37 | 15 | 26 | | | | | | | | | | | | | | | | |
| 24 | 41 | 24 | 32 | | | | | | | | | | | | | | | | |
| 25 | 53 | 24 | 38 | | | | | | | | | | | | | | | | |
| 26 | 53 | 38 | 46 | 35 | 28 | 32 | 38 | 35 | 36 | 1172 | 7 | 0.00 | 1 | | | | 40 | 16 | 28 |
| 27 | 42 | 12 | 27 | | | | | | | | | | | | | | | | |
| 28 | 26 | 12 | 19 | | | | | | | | | | | | | | | | |
| 29 | 26 | 12 | 19 | | | | | | | | | | | | | | | | |
| 30 | 41 | 13 | 27 | 32 | 30 | 30 | 35 | 33 | 34 | 315 | 3 | 0.10 | 2 | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 66 | -02 | 33 | 47 | 28 | 35 | 44 | 33 | 38 | 4817 | 7 | 1.55 | | | | | 100 | 10 | 56 |
| Month Mean | 44 | 21 | | 39 | 31 | | 40 | 37 | | | | | | | | | 79 | 34 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month December Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|------------------|----------------------|-----------------------|-------------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" (I-15") | N-D | Max | Min | Mean | |
| 1 | 42 | 26 | 34 | | | | | | | | | | | | | | | | |
| 2 | 28 | 13 | 20 | | | | | | | | | | | | | | | | |
| 3 | 24 | 05 | 14 | | | | | | | | | | | | | | | | |
| 4 | 29 | 08 | 18 | | | | | | | | | | | | | | | | |
| 5 | 38 | 14 | 26 | | | | | | | | | | | | | | | | |
| 6 | 40 | 28 | 34 | | | | | | | | | | | | | | | | |
| 7 | 31 | 17 | 24 | | | | | | | | | | | | | | | | |
| 8 | 40 | 16 | 28 | | | | | | | | | | | | | | | | |
| 9 | 40 | 16 | 28 | | | | | | | | | | | | | | | | |
| 10 | 43 | 13 | 28 | 35 | 29 | 32 | 35 | 33 | 34 | 1604 | 7 | 0.50 | 5 | | | | 100 | 19 | 60 |
| 11 | 40 | 13 | 26 | | | | | | | | | | | | | | | | |
| 12 | 48 | 36 | 42 | | | | | | | | | | | | | | | | |
| 13 | 43 | 16 | 30 | | | | | | | | | | | | | | | | |
| 14 | 15 | 08 | 12 | | | | | | | | | | | | | | | | |
| 15 | 41 | 04 | 22 | | | | | | | | | | | | | | | | |
| 16 | 40 | 28 | 34 | | | | | | | | | | | | | | | | |
| 17 | 40 | 27 | 34 | 31 | 27 | 29 | 34 | 32 | 33 | 1388 | 8 | 0.00 | 5 | | | | 72 | 26 | 49 |
| 18 | 39 | 15 | 27 | | | | | | | | | | | | | | | | |
| 19 | 54 | 15 | 34 | | | | | | | | | | | | | | | | |
| 20 | 55 | 43 | 49 | | | | | | | | | | | | | | | | |
| 21 | 53 | 39 | 46 | | | | | | | | | | | | | | | | |
| 22 | 60 | 42 | 51 | | | | | | | | | | | | | | | | |
| 23 | 61 | 47 | 54 | | | | | | | | | | | | | | | | |
| 24 | 61 | 43 | 52 | 34 | 29 | 32 | 34 | 32 | 33 | 2466 | 15 | 0.10 | 0 | | | | 42 | 28 | 35 |
| 25 | 55 | 41 | 48 | | | | | | | | | | | | | | | | |
| 26 | 57 | 39 | 48 | | | | | | | | | | | | | | | | |
| 27 | 57 | 39 | 48 | | | | | | | | | | | | | | | | |
| 28 | 42 | 22 | 32 | | | | | | | | | | | | | | | | |
| 29 | 22 | 20 | 21 | | | | | | | | | | | | | | | | |
| 30 | 46 | 18 | 32 | | | | | | | | | | | | | | | | |
| 31 | 53 | 31 | 42 | 36 | 31 | 34 | 35 | 33 | 34 | 845 | 5 | 0.00 | 0 | | | | 68 | 34 | 51 |
| Month | 61 | 04 | 33 | 36 | 27 | 32 | 35 | 32 | 34 | 6303 | 9 | 0.60 | | | | | 100 | 12 | 57 |
| Month Mean | 42 | 24 | | 34 | 29 | | 35 | 32 | | | | | | | | | 77 | 37 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month January Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------|------|-----|-------------------|-----|-----|------|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" (I-13") | Max | Min | Mean | Max | Min | Mean | | |
| 1 | 34 | 19 | 26 | | | | | | | | | 7 | 8 | 97 | 52 | 74 | | | |
| 2 | 49 | 27 | 38 | | | | | | | | | | | 66 | 34 | 50 | | | |
| 3 | 47 | 19 | 33 | | | | | | | | | | | 100 | 38 | 69 | | | |
| 4 | 45 | 17 | 31 | | | | | | | | | | | 100 | 42 | 71 | | | |
| 5 | 23 | 06 | 14 | | | | | | | | | | | ↓ | ↓ | ↓ | | | |
| 6 | 28 | 05 | 16 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 7 | 37 | 09 | 23 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 32 | 66 | | | |
| 8 | 25 | 05 | 15 | 29 | 23 | 26 | 30 | 26 | 28 | 1516 | 8 | 0.15 | 4 | ↑ | ↑ | ↑ | | | |
| 9 | 24 | 02 | 13 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 10 | 28 | 11 | 20 | | | | | | | | | | | 100 | 12 | 56 | | | |
| 11 | 20 | 10 | 15 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 12 | 33 | 10 | 22 | | | | | | | | | | | | | | | | |
| 13 | 45 | 20 | 32 | | | | | | | | | | | | | | | | |
| 14 | 26 | 09 | 18 | | | | | | | | | | | | | | | | |
| 15 | 38 | 10 | 24 | 25 | 21 | 23 | 28 | 23 | 26 | 1409 | 8 | 0.05 | 3 | ↓ | ↓ | ↓ | | | |
| 16 | 33 | 12 | 22 | | | | | | | | | | | 100 | 52 | 76 | | | |
| 17 | 19 | 02 | 10 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 18 | 26 | 01 | 14 | | | | | | | | | | | | | | | | |
| 19 | 44 | 14 | 29 | | | | | | | | | | | | | | | | |
| 20 | 22 | 05 | 14 | | | | | | | | | | | | | | | | |
| 21 | 14 | 02 | 08 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 22 | 17 | 00 | 08 | 23 | 20 | 22 | 26 | 22 | 24 | 1348 | 8 | 0.10 | 4 | 100 | 22 | 61 | | | |
| 23 | 29 | 06 | 18 | | | | | | | | | | | | | | | | |
| 24 | 30 | 09 | 20 | | | | | | | | | | | | | | | | |
| 25 | 41 | 15 | 28 | | | | | | | | | | | | | | | | |
| 26 | 30 | 13 | 22 | | | | | | | | | | | | | | | | |
| 27 | 27 | 14 | 20 | | | | | | | | | | | | 74 | 52 | 63 | | |
| 28 | 33 | 14 | 24 | | | | | | | | | | | | 67 | 27 | 47 | | |
| 29 | 46 | 24 | 35 | | | | | | | | | | | | 42 | 18 | 30 | | |
| 30 | 46 | 26 | 36 | | | | | | | | | | | | 28 | 21 | 24 | | |
| 31 | 37 | 16 | 26 | 24 | 18 | 21 | 26 | 22 | 24 | 2692 | 12 | 0.00 | 4 | 3 | 4 | 87 | 25 | 56 | |
| Month | 49 | 00 | 22 | 29 | 18 | 23 | 30 | 22 | 25 | 6965 | 9 | 0.30 | | | | | 100 | 12 | 57 |
| Month Mean | 32 | 11 | | 25 | 20 | | 27 | 23 | | | | | | | | | 82 | 33 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month February Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----------------------|-----------------------|-------------------------|------|-----|-------------------|-----|-----|------|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" (I-13") | Max | Min | Mean | Max | Min | Mean | | |
| 1 | 38 | 16 | 27 | | | | | | | | | | | 86 | 38 | 62 | | | |
| 2 | 28 | 12 | 20 | | | | | | | | | | | 100 | 75 | 88 | | | |
| 3 | 23 | 02 | 12 | | | | | | | | | | | ↑ | ↑ | ↑ | | | |
| 4 | 22 | -03 | 10 | | | | | | | | | | | 100 | 31 | 66 | | | |
| 5 | 30 | 02 | 16 | 24 | 20 | 22 | 26 | 22 | 24 | 651 | 5 | 0.40 | 8 | ↓ | ↓ | ↓ | | | |
| 6 | 24 | 03 | 14 | | | | | | | | | | | 100 | 26 | 63 | | | |
| 7 | 29 | 10 | 20 | | | | | | | | | | | 68 | 26 | 47 | | | |
| 8 | 42 | 25 | 34 | | | | | | | | | | | 50 | 26 | 38 | | | |
| 9 | 29 | -04 | 12 | | | | | | | | | | | 100 | 41 | 70 | | | |
| 10 | 15 | -09 | 03 | | | | | | | | | | | 100 | 37 | 68 | | | |
| 11 | 37 | 08 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 44 | 23 | 34 | | | |
| 12 | 48 | 25 | 36 | 26 | 20 | 23 | 27 | 22 | 24 | 2050 | 12 | 0.10 | 3 | 27 | 16 | 22 | | | |
| 13 | 43 | 23 | 33 | | | | | | | | | | | 48 | 23 | 36 | | | |
| 14 | 48 | 28 | 38 | | | | | | | | | | | 30 | 18 | 24 | | | |
| 15 | 44 | 24 | 34 | | | | | | | | | | | 100 | 30 | 65 | | | |
| 16 | 47 | 21 | 34 | | | | | | | | | | | 82 | 18 | 50 | | | |
| 17 | 46 | 26 | 36 | | | | | | | | | | | 89 | 15 | 52 | | | |
| 18 | 27 | -07 | 10 | | | | | | | | | | | 100 | 74 | 87 | | | |
| 19 | 07 | -07 | 00 | 28 | 21 | 24 | 28 | 21 | 24 | 1341 | 8 | 0.10 | 6 | 100 | 72 | 86 | | | |
| 20 | 22 | -08 | 07 | | | | | | | | | | | 100 | 38 | 69 | | | |
| 21 | 23 | -05 | 09 | | | | | | | | | | | 85 | 40 | 62 | | | |
| 22 | 27 | -01 | 13 | | | | | | | | | | | 100 | 33 | 66 | | | |
| 23 | 20 | 00 | 10 | | | | | | | | | | | 100 | 51 | 76 | | | |
| 24 | 40 | 03 | 22 | | | | | | | | | | | 61 | 18 | 40 | | | |
| 25 | 44 | 24 | 34 | | | | | | | | | | | 82 | 19 | 50 | | | |
| 26 | 43 | 18 | 30 | | | | | | | | | | | 100 | 41 | 70 | | | |
| 27 | 41 | 20 | 30 | 26 | 20 | 23 | 28 | 23 | 26 | 1496 | 8 | 0.40 | 3 | 8 | 7 | 56 | | | |
| 28 | 33 | 18 | 26 | | | | | | | | | | | 100 | 39 | 70 | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 48 | -09 | 22 | 28 | 20 | 23 | 28 | 21 | 25 | 5538 | 8 | 1.00 | | | | | 100 | 15 | 58 |
| Month Mean | 33 | 10 | | 26 | 20 | | 27 | 22 | | | | | | | | | 82 | 34 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month March Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-------------------------|--------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 37 | 23 | 30 | | | | | | | | | | | | | | 53 | 32 | 42 |
| 2 | 49 | 24 | 36 | | | | | | | | | | | | | | 42 | 20 | 31 |
| 3 | 44 | 24 | 34 | | | | | | | | | | | | | | 53 | 30 | 42 |
| 4 | 41 | 10 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 32 | 66 |
| 5 | 32 | -02 | 15 | 28 | 23 | 26 | 29 | 24 | 27 | 2210 | 15 | 0.20 | 1 | | | | 100 | 33 | 66 |
| 6 | 35 | 11 | 23 | | | | | | | | | | | | | | 58 | 30 | 44 |
| 7 | 43 | 14 | 28 | | | | | | | | | | | | | | 62 | 24 | 43 |
| 8 | 56 | 31 | 44 | | | | | | | | | | | | | | 31 | 12 | 22 |
| 9 | 48 | 32 | 40 | | | | | | | | | | | | | | 90 | 18 | 54 |
| 10 | 35 | 27 | 31 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 11 | 41 | 31 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 69 | 38 | 54 |
| 12 | 48 | 29 | 38 | 31 | 22 | 26 | 32 | 24 | 28 | 2996 | 18 | 0.30 | 0 | | | | 83 | 35 | 59 |
| 13 | 52 | 25 | 38 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 14 | 53 | 16 | 34 | | | | | | | | | | | | | | 100 | 16 | 58 |
| 15 | 28 | 09 | 18 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 16 | 42 | 06 | 24 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 17 | 24 | 08 | 16 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 18 | 46 | 09 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 94 | 19 | 56 |
| 19 | 39 | 16 | 28 | 33 | 30 | 31 | 33 | 30 | 32 | 1029 | 6 | 0.45 | 2 | | | | 100 | 34 | 67 |
| 20 | 16 | -07 | 04 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 21 | 19 | -08 | 06 | | | | | | | | | | | | | | 86 | 41 | 64 |
| 22 | 33 | 11 | 22 | | | | | | | | | | | | | | 91 | 42 | 66 |
| 23 | 35 | 13 | 24 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 24 | 26 | -04 | 11 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 26 | 22 | -17 | 10 | 32 | 30 | 31 | 33 | 29 | 31 | 1769 | 10 | 1.25 | 10 | | | | 100 | 44 | 72 |
| 27 | 43 | 03 | 23 | | | | | | | | | | | | | | 98 | 28 | 63 |
| 28 | 56 | 16 | 36 | | | | | | | | | | | | | | 38 | 17 | 28 |
| 29 | 48 | 26 | 37 | | | | | | | | | | | | | | 55 | 33 | 44 |
| 30 | 55 | 26 | 40 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 31 | 38 | 17 | 28 | 32 | 27 | 30 | 32 | 28 | 30 | 741 | 5 | 0.35 | 3 | 12 | 4 | | 100 | 28 | 64 |
| Month | 56 | -11 | 26 | 33 | 22 | 29 | 33 | 24 | 29 | 8745 | 11 | 2.55 | | | | | 100 | 12 | 58 |
| Month Mean | 39 | 14 | | 31 | 26 | | 32 | 27 | | | | | | | | | 81 | 35 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month April Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-----------------------|-------------------------|--------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 49 | 21 | 35 | | | | | | | | | | | | | | 50 | 28 | 39 |
| 2 | 58 | 24 | 41 | | | | | | | | | | | | | | 76 | 22 | 49 |
| 3 | 24 | 15 | 20 | | | | | | | | | | | | | | 78 | 50 | 64 |
| 4 | 26 | 13 | 20 | | | | | | | | | | | | | | 55 | 45 | 50 |
| 5 | 36 | 11 | 24 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 6 | 31 | 15 | 23 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 7 | 44 | 17 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 38 | 69 |
| 8 | 47 | 24 | 36 | 32 | 31 | 32 | 33 | 30 | 32 | 1626 | 10 | 0.10 | 0 | | | | 82 | 31 | 56 |
| 9 | 51 | 25 | 38 | | | | | | | | | | | | | | 77 | 24 | 50 |
| 10 | 55 | 29 | 42 | | | | | | | | | | | | | | 50 | 23 | 36 |
| 11 | 37 | 19 | 28 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 12 | 39 | 18 | 28 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 13 | 49 | 20 | 34 | | | | | | | | | | | | | | 54 | 25 | 40 |
| 14 | 59 | 32 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 40 | 16 | 28 |
| 15 | 59 | 36 | 48 | 42 | 32 | 37 | 39 | 30 | 35 | 929 | 6 | 0.40 | 0 | | | | 33 | 16 | 24 |
| 16 | 59 | 30 | 44 | | | | | | | | | | | | | | 58 | 20 | 39 |
| 17 | 59 | 35 | 47 | | | | | | | | | | | | | | 54 | 28 | 41 |
| 18 | 60 | 31 | 46 | | | | | | | | | | | | | | 60 | 21 | 40 |
| 19 | 39 | 20 | 30 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 20 | 51 | 24 | 38 | | | | | | | | | | | | | | 39 | 22 | 30 |
| 21 | 62 | 29 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 44 | 20 | 32 |
| 22 | 59 | 36 | 48 | 47 | 35 | 41 | 44 | 34 | 39 | 1911 | 11 | 0.00 | 0 | | | | 60 | 18 | 39 |
| 23 | 46 | 27 | 36 | | | | | | | | | | | | | | 78 | 35 | 56 |
| 24 | 60 | 31 | 46 | | | | | | | | | | | | | | 75 | 28 | 52 |
| 25 | 69 | 37 | 53 | | | | | | | | | | | | | | 50 | 15 | 32 |
| 26 | 70 | 38 | 54 | | | | | | | | | | | | | | 34 | 15 | 24 |
| 27 | 40 | 20 | 30 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 28 | 57 | 24 | 40 | | | | | | | | | | | | | | 51 | 21 | 36 |
| 29 | 67 | 34 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 35 | 19 | 27 |
| 30 | 73 | 41 | 57 | 52 | 39 | 46 | 49 | 39 | 44 | 1919 | 10 | 0.10 | 0 | 14 | 14 | | 66 | 24 | 45 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 73 | 11 | 38 | 52 | 31 | 39 | 49 | 30 | 37 | 6385 | 9 | 0.60 | | | | | 100 | 15 | 48 |
| Month Mean | 51 | 26 | | 44 | 34 | | 41 | 34 | | | | | | | | | 67 | 28 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 70 | 39 | 54 | | | | | | | | | | | | | | | 56 | 26 | 41 |
| 2 | 64 | 27 | 45 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 3 | 48 | 24 | 36 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 4 | 64 | 30 | 47 | | | | | | | | | | | | | | | 52 | 18 | 35 |
| 5 | 65 | 39 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 35 | 13 | 24 |
| 6 | 70 | 41 | 56 | 58 | 38 | 48 | 47 | 39 | 43 | 1334 | 9 | 0.00 | 0 | | | | | 37 | 20 | 28 |
| 7 | 57 | 28 | 42 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 8 | 58 | 38 | 48 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 9 | 47 | 30 | 38 | | | | | | | | | | | | | | | 100 | 43 | 72 |
| 10 | 49 | 29 | 39 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 11 | 62 | 34 | 48 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 12 | 65 | 41 | 53 | | | | | | | | | | | | | | | 32 | 16 | 24 |
| 13 | 69 | 44 | 56 | 55 | 40 | 48 | 52 | 41 | 46 | 849 | 5 | 0.60 | 0 | | | | | 38 | 16 | 27 |
| 14 | 72 | 45 | 58 | | | | | | | | | | | | | | | 38 | 16 | 27 |
| 15 | 74 | 40 | 57 | | | | | | | | | | | | | | | 41 | 13 | 27 |
| 16 | 54 | 27 | 40 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 17 | 55 | 25 | 40 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 18 | 34 | 30 | 32 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 19 | 40 | 33 | 36 | | | | | | | | | | | | | | | 100 | 72 | 86 |
| 20 | 61 | 35 | 48 | 59 | 34 | 46 | 54 | 36 | 45 | 957 | 6 | 2.60 | 1 | | | | | 72 | 21 | 46 |
| 21 | 68 | 41 | 54 | | | | | | | | | | | | | | | 70 | 28 | 49 |
| 22 | 65 | 40 | 52 | | | | | | | | | | | | | | | 68 | 21 | 44 |
| 23 | 64 | 34 | 49 | | | | | | | | | | | | | | | 100 | 13 | 56 |
| 24 | 67 | 37 | 52 | | | | | | | | | | | | | | | 80 | 21 | 50 |
| 25 | 54 | 34 | 44 | | | | | | | | | | | | | | | 100 | 62 | 81 |
| 26 | 55 | 34 | 44 | | | | | | | | | | | | | | | 100 | 36 | 66 |
| 27 | 48 | 28 | 38 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 28 | 55 | 27 | 41 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 29 | 60 | 27 | 44 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 30 | 73 | 43 | 58 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 31 | 70 | 45 | 58 | 55 | 36 | 46 | 52 | 36 | 44 | 1830 | 7 | 0.30 | 0 | 14 | 14 | | | 56 | 22 | 39 |
| Month | 74 | 24 | 47 | 59 | 34 | 47 | 54 | 36 | 45 | 4970 | 7 | 3.50 | | | | | | 100 | 13 | 55 |
| Month Mean | 60 | 34 | | 57 | 37 | | 51 | 38 | | | | | | | | | | 80 | 31 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | | |
| 1 | 62 | 38 | 50 | | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 2 | 55 | 37 | 46 | | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 3 | 55 | 32 | 44 | | | | | | | | | | | | | | | 84 | 29 | 56 | |
| 4 | 40 | 31 | 36 | | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 5 | 55 | 33 | 44 | 56 | 42 | 49 | 53 | 43 | 48 | 756 | 6 | 0.70 | 0 | | | | | 100 | 42 | 71 | |
| 6 | 53 | 36 | 44 | | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 7 | 72 | 43 | 58 | | | | | | | | | | | | | | | 100 | 18 | 59 | |
| 8 | 44 | 33 | 38 | | | | | | | | | | | | | | | 100 | 88 | 94 | |
| 9 | 48 | 29 | 38 | | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 10 | 52 | 30 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 50 | 75 | |
| 11 | 52 | 35 | 44 | 58 | 44 | 51 | 54 | 44 | 49 | 578 | 4 | 0.50 | 0 | | | | | 100 | 70 | 85 | |
| 12 | 65 | 38 | 52 | | | | | | | | | | | | | | | 100 | 29 | 74 | |
| 13 | 68 | 42 | 55 | | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 14 | 60 | 38 | 49 | | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 15 | 63 | 38 | 50 | | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 16 | 68 | 39 | 54 | | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 17 | 56 | 38 | 47 | | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 18 | 66 | 41 | 54 | 57 | 47 | 52 | 54 | 46 | 50 | 768 | 5 | 0.40 | 0 | | | | | 96 | 26 | 61 | |
| 19 | 67 | 46 | 56 | | | | | | | | | | | | | | | 50 | 26 | 38 | |
| 20 | 74 | 50 | 62 | | | | | | | | | | | | | | | 51 | 25 | 38 | |
| 21 | 72 | 48 | 60 | | | | | | | | | | | | | | | 72 | 32 | 52 | |
| 22 | 72 | 46 | 59 | | | | | | | | | | | | | | | 79 | 35 | 57 | |
| 23 | 81 | 50 | 66 | | | | | | | | | | | | | | | 64 | 18 | 41 | |
| 24 | 64 | 46 | 55 | | | | | | | | | | | | | | | 100 | 41 | 70 | |
| 25 | 69 | 42 | 56 | 66 | 50 | 58 | 61 | 48 | 55 | 763 | 5 | 0.10 | 0 | | | | | 100 | 46 | 73 | |
| 26 | 72 | 46 | 59 | | | | | | | | | | | | | | | 100 | 27 | 64 | |
| 27 | 70 | 47 | 58 | | | | | | | | | | | | | | | 74 | 33 | 54 | |
| 28 | 79 | 46 | 62 | | | | | | | | | | | | | | | 60 | 17 | 38 | |
| 29 | 80 | 50 | 65 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 55 | 16 | 36 | |
| 30 | 65 | 41 | 53 | 70 | 56 | 63 | 65 | 53 | 59 | 717 | 6 | 0.00 | 0 | 13 | 16 | | | 70 | 23 | 46 | |
| 31 | | | | | | | | | | | | | | | | | | | | | |
| Month | 81 | 29 | 52 | 70 | 42 | 55 | 65 | 43 | 52 | 3582 | 5 | 1.70 | | | | | | 100 | 16 | 63 | |
| Month Mean | 63 | 40 | | 62 | 48 | | 57 | 47 | | | | | | | | | | 89 | 37 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month July Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| 1 | 80 | 45 | 62 | | | | | | | | | | | | | | 44 | 18 | 31 |
| 2 | 82 | 51 | 66 | | | | | | | | | | | | | | 36 | 21 | 28 |
| 3 | 79 | 52 | 66 | | | | | | | | | | | | | | 80 | 25 | 52 |
| 4 | 80 | 52 | 66 | | | | | | | | | | | | | | 51 | 22 | 36 |
| 5 | 79 | 55 | 67 | | | | | | | | | | | | | | 70 | 30 | 50 |
| 6 | 81 | 53 | 67 | | | | | | | | | | | | | | 58 | 28 | 43 |
| 7 | 78 | 52 | 65 | | | | | | | | | | | | | | 36 | 18 | 27 |
| 8 | 73 | 46 | 60 | | | | | | | | | | | | | | 94 | 25 | 60 |
| 9 | 78 | 46 | 62 | 70 | 57 | 64 | 66 | 56 | 60 | 1177 | 5 | 0.10 | 0 | | | 100 | 32 | 66 | |
| 10 | 87 | 58 | 72 | | | | | | | | | | | | | | 49 | 17 | 33 |
| 11 | 79 | 50 | 64 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 12 | 82 | 51 | 66 | | | | | | | | | | | | | | 85 | 15 | 50 |
| 13 | 81 | 52 | 66 | | | | | | | | | | | | | | 76 | 32 | 54 |
| 14 | 83 | 50 | 66 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 15 | 77 | 46 | 62 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 16 | 78 | 49 | 64 | 72 | 59 | 65 | 67 | 57 | 62 | 728 | 4 | 0.09 | 0 | | | 100 | 36 | 68 | |
| 17 | 84 | 51 | 68 | | | | | | | | | | | | | | 57 | 14 | 36 |
| 18 | 79 | 50 | 64 | | | | | | | | | | | | | | 72 | 27 | 50 |
| 19 | 79 | 50 | 64 | | | | | | | | | | | | | | 81 | 28 | 54 |
| 20 | 79 | 52 | 66 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 21 | 83 | 57 | 70 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 22 | 80 | 55 | 68 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 23 | 81 | 48 | 64 | 74 | 59 | 66 | 68 | 60 | 64 | N-D | N-D | 0.25 | 0 | | | 100 | 36 | 68 | |
| 24 | 72 | 48 | 60 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 25 | 76 | 51 | 64 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 26 | 63 | 50 | 56 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 27 | 64 | 47 | 56 | | | | | | | | | | | | | | | | |
| 28 | 75 | 50 | 62 | | | | | | | | | | | | | | | | |
| 29 | 78 | 55 | 65 | | | | | | | | | | | | | | | | |
| 30 | 79 | 58 | 68 | | | | | | | | | | | | | | | | |
| 31 | 80 | 56 | 68 | 73 | 56 | 64 | 67 | 55 | 61 | 694 | 4 | 1.37 | 0 | 13 | 11 | 100 | 22 | 61 | |
| Month | 87 | 45 | 65 | 74 | 56 | 65 | 68 | 55 | 62 | N-D | N-D | 1.81 | | | | 100 | 14 | 55 | |
| Month Mean | 77 | 51 | 65 | 72 | 57 | 65 | 67 | 57 | 61 | | | | | | | 81 | 29 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month August Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| 1 | 79 | 55 | 67 | | | | | | | | | | | | | | 71 | 40 | 56 |
| 2 | 78 | 56 | 67 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 3 | 79 | 53 | 66 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 4 | 77 | 52 | 64 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 5 | 72 | 50 | 61 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 6 | 66 | 49 | 58 | 69 | 58 | 64 | 65 | 58 | 62 | 595 | 4 | 0.34 | 0 | | | 100 | 79 | 90 | |
| 7 | 61 | 49 | 55 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 8 | 70 | 50 | 60 | | | | | | | | | | | | | | 98 | 27 | 62 |
| 9 | 72 | 52 | 62 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 10 | 69 | 48 | 58 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 11 | 72 | 47 | 60 | | | | | | | | | | | | | | 73 | 32 | 52 |
| 12 | 75 | 54 | 64 | 64 | 55 | 60 | 62 | 56 | 59 | 649 | 4 | | 0 | | | 70 | 34 | 52 | |
| 13 | 75 | 56 | 66 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 14 | 63 | 46 | 54 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 15 | 71 | 46 | 58 | | | | | | | | | | | | | | 86 | 36 | 61 |
| 16 | 75 | 52 | 64 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 17 | 72 | 50 | 61 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 18 | 74 | 51 | 62 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 19 | 77 | 52 | 64 | | | | | | | | | | | | | | 86 | 36 | 61 |
| 20 | 73 | 49 | 61 | 67 | 54 | 61 | 62 | 55 | 59 | N-D | N-D | | 0 | | | 70 | 20 | 45 | |
| 21 | 78 | 53 | 66 | | | | | | | | | | | | | | 70 | 30 | 50 |
| 22 | 78 | 53 | 66 | | | | | | | | | | | | | | 52 | 28 | 40 |
| 23 | 78 | 56 | 67 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 24 | 78 | 56 | 67 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 25 | 80 | 52 | 66 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 26 | 76 | 53 | 64 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 27 | 72 | 47 | 60 | 68 | 56 | 62 | 64 | 57 | 60 | N-D | N-D | | 0 | | | 100 | 26 | 63 | |
| 28 | 72 | 45 | 58 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 29 | 60 | 43 | 52 | | | | | | | | | | | | | | 79 | 29 | 54 |
| 30 | 66 | 40 | 53 | | | | | | | | | | | | | | 60 | 22 | 41 |
| 31 | 76 | 47 | 62 | 66 | 51 | 58 | 63 | 53 | 58 | 1960 | 4 | 0.42 | 0 | N-D | N-D | 100 | 20 | 65 | |
| Month | 80 | 40 | 62 | 69 | 51 | 61 | 65 | 53 | 60 | 3204 | 4 | 3.42 | | | | 100 | 20 | 65 | |
| Month Mean | 73 | 50 | 63 | 67 | 55 | 63 | 63 | 56 | 60 | | | | | | | 91 | 39 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | 5-7" % Dry Wt. | 11-13" % Dry Wt. | Max | Min | Mean | |
| 1 | 80 | 56 | 68 | | | | | | | | | | | 8 | 9 | 33 | 14 | 24 | |
| 2 | 72 | 49 | 60 | | | | | | | | | | | | | 52 | 28 | 40 | |
| 3 | 76 | 48 | 62 | | | | | | | | | | | | | 53 | 26 | 40 | |
| 4 | 71 | 47 | 59 | | | | | | | | | | | | | 86 | 36 | 61 | |
| 5 | 79 | 46 | 62 | | | | | | | | | | | | | 89 | 24 | 56 | |
| 6 | 72 | 48 | 60 | | | | | | | | | | | | | 72 | 37 | 54 | |
| 7 | 78 | 51 | 64 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 96 | 24 | 60 | | |
| 8 | 78 | 54 | 66 | 70 | 56 | 62 | 66 | 56 | 61 | 740 | 4 | 0.14 | 0 | | 42 | 26 | 34 | | |
| 9 | 75 | 42 | 58 | | | | | | | | | | | | 86 | 30 | 58 | | |
| 10 | 64 | 33 | 48 | | | | | | | | | | | | 100 | 38 | 69 | | |
| 11 | 66 | 40 | 53 | | | | | | | | | | | | 94 | 30 | 62 | | |
| 12 | 78 | 48 | 63 | | | | | | | | | | | | 88 | 16 | 52 | | |
| 13 | 76 | 52 | 64 | | | | | | | | | | | | 42 | 23 | 32 | | |
| 14 | 78 | 53 | 66 | | | | | | | | | | | | 46 | 26 | 36 | | |
| 15 | 75 | 51 | 63 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 54 | 24 | 39 | | |
| 16 | 77 | 48 | 62 | 64 | 53 | 58 | 62 | 53 | 57 | 1264 | 6 | 0.00 | 0 | | 47 | 28 | 38 | | |
| 17 | 70 | 50 | 60 | | | | | | | | | | | | 65 | 37 | 51 | | |
| 18 | 68 | 41 | 54 | | | | | | | | | | | | 100 | 46 | 73 | | |
| 19 | 56 | 43 | 50 | | | | | | | | | | | | | | | | |
| 20 | 55 | 40 | 48 | | | | | | | | | | | | | | | | |
| 21 | 65 | 40 | 52 | | | | | | | | | | | | | | | | |
| 22 | 55 | 35 | 45 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | ↓ | ↓ | ↓ | | |
| 23 | 55 | 35 | 45 | 65 | 49 | 56 | 62 | 50 | 56 | 802 | 5 | 0.10 | 0 | | 100 | 18 | 59 | | |
| 24 | 42 | 27 | 34 | | | | | | | | | | | | 100 | 98 | 99 | | |
| 25 | 35 | 26 | 30 | | | | | | | | | | | | | | | | |
| 26 | 55 | 30 | 42 | | | | | | | | | | | | | | | | |
| 27 | 63 | 35 | 49 | | | | | | | | | | | | | | | | |
| 28 | 68 | 42 | 55 | | | | | | | | | | | | | | | | |
| 29 | 65 | 35 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | ↓ | ↓ | ↓ | | |
| 30 | 58 | 33 | 46 | 58 | 42 | 50 | 56 | 46 | 51 | 1068 | 6 | 0.69 | 0 | 8 | 5 | ↓ | ↓ | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 80 | 26 | 55 | 70 | 42 | 57 | 66 | 46 | 56 | 3874 | 5 | 0.93 | | | 100 | 17 | 58 | | |
| Month Mean | 67 | 43 | | 64 | 49 | | 61 | 51 | | | | | | | 74 | 31 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|--------------------|------------------|-----|-------------------|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | 5-7" % Dry Wt. | 11-13" % Dry Wt. | Max | Min | Mean | |
| 1 | 65 | 36 | 50 | | | | | | | | | | | 8 | 5 | 100 | N-D | N-D | |
| 2 | 68 | 36 | 52 | | | | | | | | | | | | | 66 | 34 | 50 | |
| 3 | 66 | 44 | 55 | | | | | | | | | | | | | 80 | 22 | 51 | |
| 4 | 70 | 40 | 55 | | | | | | | | | | | | | 100 | 25 | 62 | |
| 5 | 56 | 25 | 40 | | | | | | | | | | | | | 74 | 26 | 50 | |
| 6 | 43 | 21 | 32 | | | | | | | | | | | | | 28 | 14 | 21 | |
| 7 | 65 | 34 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 20 | 10 | 15 | | |
| 8 | 68 | 45 | 56 | 53 | 42 | 47 | 52 | 44 | 48 | 1273 | 8 | 0.00 | 0 | | 22 | 12 | 17 | | |
| 9 | 71 | 42 | 56 | | | | | | | | | | | | 36 | 15 | 26 | | |
| 10 | 72 | 47 | 60 | | | | | | | | | | | | 93 | 34 | 64 | | |
| 11 | 58 | 31 | 44 | | | | | | | | | | | | 69 | 30 | 50 | | |
| 12 | 61 | 36 | 48 | | | | | | | | | | | | 76 | 36 | 56 | | |
| 13 | 58 | 32 | 45 | | | | | | | | | | | | 76 | 24 | 50 | | |
| 14 | 69 | 33 | 51 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 68 | 30 | 49 | | |
| 15 | 64 | 38 | 51 | 52 | 41 | 46 | 54 | 44 | 49 | 1134 | 7 | 0.00 | 0 | | 96 | 41 | 68 | | |
| 16 | 60 | 32 | 46 | | | | | | | | | | | | 68 | 20 | 41 | | |
| 17 | 64 | 37 | 50 | | | | | | | | | | | | 76 | 30 | 53 | | |
| 18 | 68 | 37 | 52 | | | | | | | | | | | | 42 | 26 | 34 | | |
| 19 | 68 | 43 | 56 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 20 | 58 | 36 | 47 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 21 | 62 | 33 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 30 | 61 | | |
| 22 | 60 | 35 | 48 | 48 | 40 | 44 | 48 | 43 | 45 | 782 | 5 | 0.00 | 0 | | 100 | 34 | 67 | | |
| 23 | 35 | 19 | 27 | | | | | | | | | | | | | | | | |
| 24 | 61 | 30 | 46 | | | | | | | | | | | | | | | | |
| 25 | 67 | 39 | 53 | | | | | | | | | | | | | | | | |
| 26 | 59 | 36 | 48 | | | | | | | | | | | | | | | | |
| 27 | 41 | 22 | 32 | | | | | | | | | | | | | | | | |
| 28 | 38 | 22 | 30 | | | | | | | | | | | | | | | | |
| 29 | 34 | 20 | 27 | | | | | | | | | | | | | | | | |
| 30 | 56 | 26 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | ↓ | ↓ | ↓ | | |
| 31 | 46 | 24 | 35 | 48 | 32 | 40 | 47 | 36 | 41 | 1966 | 9 | 0.25 | 0 | 7 | 7 | 100 | 05 | 52 | |
| Month | 72 | 19 | 46 | 53 | 32 | 44 | 54 | 36 | 46 | 5255 | 7 | 0.25 | | | 100 | 05 | 49 | | |
| Month Mean | 59 | 33 | | 50 | 39 | | 50 | 42 | | | | | | | 72 | 26 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|----------------------------|-------------------|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|-----------------------|-------------------------|-------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | 5-7" 5-7" | 11-13" 11-13" | Max | Min | Mean | |
| 1 | 27 | 12 | 20 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 2 | 32 | 09 | 20 | | | | | | | | | | | | | | 78 | 19 | 48 |
| 3 | 58 | 28 | 43 | | | | | | | | | | | | | | 44 | 17 | 30 |
| 4 | 59 | 36 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | 28 | 12 | 20 | |
| 5 | 52 | 19 | 36 | 38 | 32 | 34 | 39 | 34 | 37 | 858 | 7 | 0.05 | T | | | 100 | 15 | 58 | |
| 6 | 40 | 15 | 28 | | | | | | | | | | | | | 100 | 16 | 58 | |
| 7 | 26 | 11 | 18 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 8 | 52 | 16 | 34 | | | | | | | | | | | | | 56 | 22 | 39 | |
| 9 | 36 | 27 | 32 | | | | | | | | | | | | | 70 | 42 | 56 | |
| 10 | 43 | 26 | 34 | | | | | | | | | | | | | 100 | 52 | 76 | |
| 11 | 34 | 22 | 28 | | | | | | | | | | | | | 100 | 85 | 92 | |
| 12 | 42 | 15 | 28 | | | | | | | | | | | | | 100 | 37 | 68 | |
| 13 | 33 | 13 | 23 | 36 | 32 | 34 | 38 | 34 | 36 | 1693 | 8 | 1.20 | 8 | | | 100 | 40 | 70 | |
| 14 | 46 | 18 | 32 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 15 | 18 | -08 | 05 | | | | | | | | | | | | | 100 | 60 | 80 | |
| 16 | 18 | -09 | 04 | | | | | | | | | | | | | 78 | 40 | 59 | |
| 17 | 31 | 06 | 18 | | | | | | | | | | | | | 81 | 42 | 62 | |
| 18 | 33 | 22 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 80 | 50 | 65 | | |
| 19 | 49 | 32 | 40 | 34 | 34 | 34 | 36 | 34 | 35 | 1607 | 11 | 0.20 | 4 | | | 61 | 26 | 44 | |
| 20 | 57 | 37 | 47 | | | | | | | | | | | | | 53 | 26 | 40 | |
| 21 | 52 | 30 | 41 | | | | | | | | | | | | | 64 | 25 | 44 | |
| 22 | 34 | 13 | 24 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 23 | 40 | 10 | 25 | | | | | | | | | | | | | | | | |
| 24 | 34 | 20 | 27 | | | | | | | | | | | | | | | | |
| 25 | 48 | 20 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | ↓ | ↓ | ↓ | |
| 26 | 47 | 28 | 38 | 34 | 28 | 31 | 36 | 31 | 33 | 1620 | 10 | 0.00 | 3 | | | 80 | 17 | 48 | |
| 27 | 35 | 07 | 21 | | | | | | | | | | | | | | | | |
| 28 | 40 | 19 | 30 | | | | | | | | | | | | | | | | |
| 29 | 34 | 17 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | ↓ | ↓ | ↓ | |
| 30 | 35 | 26 | 30 | 31 | 28 | 30 | 32 | 30 | 32 | 795 | 8 | 0.00 | 4 | N-D | N-D | 100 | 42 | 71 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 59 | -09 | 29 | 38 | 28 | 33 | 39 | 30 | 34 | 6573 | 9 | 1.45 | | | | 100 | 12 | 59 | |
| Key | Thermograph (Bourdon Tube) | Avg. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Avg. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|----------------------------|-------------------|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|-----------------------|-------------------------|-------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | 5-7" 5-7" | 11-13" 11-13" | Max | Min | Mean |
| 1 | 35 | 20 | 28 | | | | | | | | | | | | | 100 | 48 | 74 |
| 2 | 22 | 06 | 14 | | | | | | | | | | | | | 100 | 100 | 100 |
| 3 | 22 | 05 | 14 | | | | | | | | | | | | | 100 | 37 | 68 |
| 4 | 24 | 06 | 15 | | | | | | | | | | | | | 70 | 30 | 50 |
| 5 | 32 | 07 | 20 | | | | | | | | | | | | | 62 | 16 | 39 |
| 6 | 32 | 20 | 26 | | | | | | | | | | | | | 100 | 16 | 58 |
| 7 | 25 | 12 | 18 | | | | | | | | | | | | | 100 | 40 | 70 |
| 8 | 33 | 08 | 20 | | | | | | | | | | | | | 64 | 19 | 42 |
| 9 | 37 | 18 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 66 | 19 | 42 | |
| 10 | 30 | 07 | 18 | 32 | 29 | 30 | 34 | 31 | 32 | 2071 | 9 | 0.20 | 6 | | | 100 | 58 | 79 |
| 11 | 33 | 09 | 21 | | | | | | | | | | | | | 58 | 36 | 47 |
| 12 | 43 | 29 | 36 | | | | | | | | | | | | | 67 | 36 | 52 |
| 13 | 37 | 09 | 23 | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 32 | 02 | 17 | | | | | | | | | | | | | ↓ | ↓ | ↓ |
| 15 | 43 | 03 | 23 | | | | | | | | | | | | | 100 | 12 | 56 |
| 16 | 33 | 22 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 12 | 56 | |
| 17 | 38 | 21 | 30 | 30 | 25 | 28 | 31 | 28 | 30 | 1992 | 12 | 0.00 | 5 | | | 100 | 36 | 68 |
| 18 | 37 | 23 | 30 | | | | | | | | | | | | | 94 | 38 | 66 |
| 19 | 44 | 33 | 38 | | | | | | | | | | | | | 43 | 28 | 36 |
| 20 | 51 | 32 | 42 | | | | | | | | | | | | | 42 | 21 | 32 |
| 21 | 48 | 32 | 40 | | | | | | | | | | | | | 43 | 23 | 33 |
| 22 | 48 | 34 | 41 | | | | | | | | | | | | | 100 | 25 | 62 |
| 23 | 53 | 40 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 60 | 33 | 46 | |
| 24 | 53 | 36 | 44 | 32 | 28 | 30 | 32 | 30 | 31 | 2129 | 13 | 0.30 | 0 | | | 53 | 32 | 42 |
| 25 | 49 | 34 | 42 | | | | | | | | | | | | | 65 | 32 | 48 |
| 26 | 51 | 31 | 41 | | | | | | | | | | | | | 59 | 26 | 42 |
| 27 | 49 | 33 | 41 | | | | | | | | | | | | | 68 | 26 | 47 |
| 28 | 39 | 17 | 28 | | | | | | | | | | | | | 100 | 44 | 72 |
| 29 | 19 | 16 | 18 | | | | | | | | | | | | | 100 | 100 | 100 |
| 30 | 44 | 15 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 39 | 70 | |
| 31 | 52 | 23 | 38 | 34 | 26 | 30 | 34 | 31 | 32 | 474 | 3 | 0.00 | 0 | 10 | 7 | 100 | 25 | 62 |
| Month Mean | 53 | 02 | 29 | 34 | 25 | 30 | 34 | 28 | 31 | 6666 | 9 | 0.50 | | | | 100 | 12 | 58 |
| Key | Thermograph (Bourdon Tube) | Avg. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge | Snow Stake | Oven Drying Method | Hygograph (Hair) | Avg. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|--------------|----------------------|--------------|-------------|----------------------|---------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 27 | 17 | 22 | | | | | | | | | | | | 15 | | 100 | 80 | 90 |
| 2 | 39 | 24 | 32 | | | | | | | | | | | | | | 95 | 46 | 70 |
| 3 | 39 | 12 | 26 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 4 | 34 | 16 | 25 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 5 | 19 | 03 | 11 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | 29 | 16 | 23 | 29 | 24 | 27 | 1885 | 10 | 0.20 | 13 | N-D | | | 100 | 38 | 69 |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | 26 | -06 | 10 | | | | | | | | | | | | | | | | |
| 11 | 12 | 05 | 08 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 12 | 27 | 06 | 16 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 13 | 38 | 17 | 28 | | | | | | | | | | | | | 53 | 12 | 38 | |
| 14 | 24 | 08 | 16 | | | | | | | | | | | | | 100 | 33 | 66 | |
| 15 | 28 | 09 | 18 | 26 | 16 | 21 | 26 | 23 | 24 | 2728 | 16 | 0.25 | 12 | N-D | | 70 | 20 | 45 | |
| 16 | 26 | 07 | 16 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 17 | 15 | 03 | 09 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 18 | 24 | 03 | 14 | | | | | | | | | | | | | | 88 | 22 | 55 |
| 19 | 34 | 08 | 21 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 20 | 16 | 05 | 10 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | 08 | -01 | 04 | 26 | 11 | 18 | 25 | 19 | 22 | 2213 | 13 | 0.10 | 14 | N-D | | 100 | 60 | 80 | |
| 23 | 19 | 01 | 10 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 24 | 19 | 15 | 17 | | | | | | | | | | | | | | 100 | 98 | 99 |
| 25 | 25 | 19 | 22 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 26 | 21 | 14 | 18 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 27 | 21 | 15 | 18 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 28 | 26 | 14 | 20 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 29 | 32 | 22 | 27 | | | | | | | | | | | | | 58 | 32 | 45 | |
| 30 | 40 | 27 | 34 | | | | | | | | | | | | | 34 | 19 | 26 | |
| 31 | 34 | 15 | 24 | 28 | 12 | 20 | 26 | 20 | 23 | 4619 | 21 | 0.00 | N-D | N-D | 8 | 10 | 100 | 20 | 60 |
| Month Mean | 40 | -06 | 23 | 29 | 11 | 21 | 29 | 19 | 24 | 11445 | 15 | 0.55 | | | | | 100 | 12 | 70 |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|--------------|----------------------|--------------|-------------|----------------------|---------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 25 | 11 | 18 | | | | | | | | | | | | | N-D | 100 | 54 | 77 |
| 2 | 21 | 06 | 14 | | | | | | | | | | | | | | 100 | 82 | 96 |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | 16 | -05 | 06 | 28 | 16 | 22 | 28 | 23 | 26 | 1142 | 10 | 0.45 | 21 | N-D | | 100 | 40 | 70 | |
| 6 | 14 | -02 | 06 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 7 | 22 | 08 | 15 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 8 | 29 | 20 | 24 | | | | | | | | | | | | | | 82 | 34 | 58 |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | 35 | -09 | 13 | 25 | 15 | 20 | 24 | 20 | 22 | 3137 | 19 | 0.20 | 20 | N-D | | 100 | 16 | 58 | |
| 13 | 29 | 16 | 22 | | | | | | | | | | | | | | 70 | 26 | 48 |
| 14 | 39 | 21 | 30 | | | | | | | | | | | | | | 39 | 22 | 30 |
| 15 | 33 | 20 | 26 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 16 | 35 | 14 | 24 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 17 | 33 | 23 | 28 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | 29 | 21 | 25 | 28 | 21 | 24 | 1954 | 12 | 0.40 | 25 | N-D | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | 22 | -11 | 06 | | | | | | | | | | | | | | | | |
| 25 | 32 | 18 | 25 | | | | | | | | | | | | | | | | |
| 26 | 29 | 16 | 22 | | | | | | | | | | | | | | | | |
| 27 | 30 | 16 | 23 | 27 | 10 | 18 | 27 | 23 | 25 | 2569 | 13 | 0.05 | 22 | N-D | 12 | N-D | 100 | 16 | 58 |
| 28 | 19 | 13 | 16 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 39 | -11 | 19 | 29 | 10 | 21 | 28 | 20 | 24 | 8802 | 14 | 1.10 | | | | | 100 | 14 | 63 |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month May Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|---------------|----------------------|--------------|-------------|---------------|------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 56 | 38 | 47 | | | | | | | | | | | | | | 62 | 34 | 48 | |
| 2 | 52 | 20 | 36 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 3 | 32 | 20 | 26 | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 4 | 50 | 28 | 39 | | | | | | | | | | | | | | 80 | 24 | 52 | |
| 5 | 55 | 28 | 42 | | | | | | | | | | | | | | 77 | 19 | 48 | |
| 6 | 56 | 36 | 46 | 53 | 33 | 43 | 42 | 33 | 38 | 1600 | 11 | 0.35 | 0 | N-D | | | 55 | 28 | 42 | |
| 7 | 50 | 28 | 39 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 8 | 47 | 34 | 40 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 9 | 41 | 27 | 34 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 10 | 44 | 26 | 35 | | | | | | | | | | | | | | 100 | 61 | 80 | |
| 11 | 50 | 32 | 40 | | | | | | | | | | | | | | 74 | 22 | 48 | |
| 12 | 52 | 36 | 44 | | | | | | | | | | | | | | 47 | 26 | 36 | |
| 13 | 58 | 30 | 44 | 55 | 33 | 44 | 44 | 34 | 39 | 895 | 5 | 0.50 | 0 | N-D | | | 78 | 22 | 50 | |
| 14 | 58 | 35 | 46 | | | | | | | | | | | | | | 60 | 21 | 40 | |
| 15 | 56 | 32 | 44 | | | | | | | | | | | | | | 60 | 20 | 40 | |
| 16 | 42 | 25 | 34 | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 17 | 42 | 17 | 30 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 18 | 30 | 27 | 28 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 19 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 20 | 54 | 23 | 38 | 52 | 32 | 42 | 43 | 34 | 39 | 1202 | 7 | 2.00 | 6 | N-D | | | 100 | 32 | 56 | |
| 21 | 53 | 29 | 41 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 22 | 50 | 29 | 40 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 23 | 51 | 28 | 40 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 24 | 53 | 32 | 42 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 25 | 47 | 27 | 37 | | | | | | | | | | | | | | 100 | 66 | 83 | |
| 26 | 39 | 29 | 34 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 27 | 34 | 22 | 28 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 28 | 41 | 22 | 32 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 29 | 49 | 25 | 37 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 30 | 58 | 31 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | N-D | N-D | N-D | |
| 31 | 60 | 39 | 50 | 52 | 32 | 42 | 43 | 34 | 38 | 2165 | 8 | 0.70 | 0 | N-D | 14 | 17 | N-D | N-D | N-D | |
| Month Mean | 60 | 17 | 38 | 55 | 32 | 43 | 44 | 33 | 38 | 5862 | 8 | 3.55 | | | | | 100 | 19 | 64 | |
| Month Mean | 49 | 28 | 38 | 53 | 33 | 43 | 43 | 34 | 38 | | | | | | | | 87 | 41 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month June Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|----|----|--------------|----|----|-------------|---------------|----------------------|--------------|-------------|---------------|------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | 52 | 32 | 42 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 2 | 48 | 32 | 40 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 3 | 44 | 28 | 36 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 4 | 34 | 29 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 74 | 87 | |
| 5 | 42 | 30 | 36 | 52 | 36 | 44 | 45 | 40 | 42 | 810 | 7 | 0.45 | 0 | N-D | | | 100 | 68 | 84 | |
| 6 | 48 | 32 | 40 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 7 | 60 | 36 | 48 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 8 | 37 | 29 | 33 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 41 | 25 | 33 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 10 | 43 | 30 | 36 | | | | | | | | | | | | | | 100 | 66 | 83 | |
| 11 | 46 | 30 | 38 | 54 | 37 | 46 | 45 | 38 | 42 | 779 | 5 | 0.55 | 0 | N-D | | | 100 | 94 | 97 | |
| 12 | 57 | 36 | 46 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 13 | 59 | 35 | 47 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 14 | 56 | 33 | 44 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 15 | 51 | 34 | 42 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 16 | 57 | 34 | 46 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 17 | 49 | 33 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 53 | 76 | |
| 18 | 56 | 31 | 44 | 52 | 38 | 46 | 46 | 40 | 44 | 989 | 6 | 0.40 | 0 | N-D | | | 100 | 35 | 68 | |
| 19 | 60 | 31 | 46 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 20 | 63 | 36 | 50 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 21 | 63 | 37 | 50 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 22 | 63 | 39 | 51 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 23 | 69 | 38 | 54 | | | | | | | | | | | | | | 100 | 24 | 62 | |
| 24 | 64 | 39 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 28 | 64 | |
| 25 | 62 | 39 | 50 | 63 | 41 | 52 | 53 | 44 | 48 | 885 | 5 | 0.40 | 0 | N-D | | | 100 | 24 | 62 | |
| 26 | 64 | 36 | 50 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 27 | 63 | 39 | 51 | | | | | | | | | | | | | | 78 | 26 | 52 | |
| 28 | 65 | 34 | 50 | | | | | | | | | | | | | | 90 | 24 | 57 | |
| 29 | 65 | 40 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 22 | 61 | |
| 30 | 60 | 36 | 48 | 68 | 48 | 58 | 56 | 49 | 53 | 817 | 7 | 0.00 | 0 | N-D | 11 | 16 | 94 | 26 | 60 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 69 | 25 | 44 | 68 | 36 | 49 | 56 | 38 | 46 | 4280 | 6 | 1.80 | | | | | 100 | 22 | 70 | |
| Month Mean | 55 | 34 | 44 | 58 | 40 | 49 | 49 | 42 | 46 | | | | | | | | 99 | 42 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 66 | 44 | 55 | | | | | | | | | | | | | | 40 | 26 | 33 |
| 2 | 69 | 47 | 58 | | | | | | | | | | | | | | 42 | 27 | 34 |
| 3 | 68 | 42 | 55 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 4 | 67 | 42 | 54 | | | | | | | | | | | | | | 86 | 27 | 56 |
| 5 | 67 | 42 | 54 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 6 | 71 | 40 | 56 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 7 | 68 | 40 | 54 | | | | | | | | | | | | | | 45 | 23 | 34 |
| 8 | 61 | 36 | 48 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 9 | 68 | 37 | 52 | 71 | 49 | 60 | 59 | 52 | 56 | 1463 | 7 | 0.15 | 0 | N-D | | | 100 | 36 | 68 |
| 10 | 72 | 47 | 60 | | | | | | | | | | | | | | 68 | 21 | 44 |
| 11 | 66 | 42 | 54 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 12 | 67 | 38 | 52 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 13 | 68 | 42 | 55 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 14 | 69 | 38 | 54 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 15 | 67 | 39 | 53 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 16 | 65 | 37 | 51 | 72 | 48 | 60 | 60 | 54 | 57 | 814 | 5 | 0.24 | 0 | N-D | | | 100 | 48 | 74 |
| 17 | 68 | 35 | 52 | | | | | | | | | | | | | | 100 | 17 | 58 |
| 18 | 66 | 38 | 52 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 19 | 67 | 37 | 52 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 20 | 66 | 41 | 54 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 21 | 69 | 50 | 60 | | | | | | | | | | | | | | 97 | 42 | 70 |
| 22 | 68 | 43 | 56 | | | | | | | | | | | | | | 100 | 59 | 80 |
| 23 | 65 | 44 | 54 | 74 | 51 | 62 | 62 | 55 | 58 | 889 | 5 | 0.15 | 0 | N-D | | | 100 | 50 | 75 |
| 24 | 64 | 43 | 54 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 25 | 65 | 48 | 56 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 26 | 54 | 47 | 50 | | | | | | | | | | | | | | 100 | 67 | 84 |
| 27 | 60 | 42 | 51 | | | | | | | | | | | | | | 100 | 73 | 86 |
| 28 | 66 | 47 | 56 | | | | | | | | | | | | | | 100 | 33 | 65 |
| 29 | 68 | 46 | 57 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 30 | 69 | 43 | 56 | | | | | | | | | | | | | | 97 | 34 | 66 |
| 31 | 70 | 46 | 58 | 66 | 49 | 58 | 59 | 52 | 56 | 1037 | 5 | 1.28 | 0 | N-D | 12 | 13 | 100 | 44 | 72 |
| Month Mean | 72 | 35 | 54 | 74 | 48 | 60 | 62 | 52 | 57 | 4203 | 6 | 1.82 | | | | | 100 | 17 | 65 |
| Month Mean | 67 | 42 | | 71 | 49 | | 60 | 53 | | | | | | | | | 93 | 37 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 5%
 - at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 69 | 47 | 58 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 2 | 66 | 47 | 56 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 3 | 67 | 43 | 55 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 4 | 66 | 46 | 56 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 5 | 61 | 46 | 54 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 6 | 58 | 45 | 52 | 70 | 51 | 60 | 60 | 54 | 57 | 649 | 4 | 0.81 | 0 | N-D | | | 100 | 56 | 78 |
| 7 | 57 | 44 | 50 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 8 | 65 | 45 | 55 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 9 | 65 | 42 | 54 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 10 | 62 | 38 | 50 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 11 | 63 | 43 | 53 | 63 | 48 | 55 | 57 | 53 | 55 | 585 | 5 | 0.48 | 0 | N-D | | | 100 | 28 | 64 |
| 12 | 68 | 45 | 56 | | | | | | | | | | | | | | 88 | 28 | 58 |
| 13 | 67 | 47 | 57 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 56 | 41 | 48 | | | | | | | | | | | | | | 100 | 86 | 93 |
| 15 | 62 | 39 | 50 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 16 | 64 | 38 | 51 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 17 | 62 | 41 | 52 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 18 | 63 | 41 | 52 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 19 | 63 | 44 | 54 | 65 | 48 | 57 | 57 | 52 | 55 | 869 | 5 | 1.95 | 0 | N-D | | | 100 | 50 | 75 |
| 20 | 62 | 42 | 52 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 21 | 64 | 40 | 52 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 22 | 66 | 40 | 53 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 23 | 67 | 41 | 54 | | | | | | | | | | | | | | 93 | 32 | 62 |
| 24 | 66 | 46 | 56 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 25 | 68 | 48 | 58 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 26 | 66 | 46 | 56 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 27 | 63 | 42 | 52 | 65 | 50 | 57 | 57 | 52 | 54 | 879 | 5 | 0.93 | 0 | N-D | | | 100 | 63 | 82 |
| 28 | 62 | 39 | 50 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 29 | 57 | 31 | 44 | | | | | | | | | | | | | | 100 | 31 | 65 |
| 30 | 60 | 28 | 44 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 31 | 67 | 34 | 50 | 67 | 45 | 56 | 58 | 50 | 54 | 702 | 6 | 0.40 | 0 | N-D | N-D | N-D | 100 | 20 | 60 |
| Month Mean | 69 | 28 | 53 | 70 | 45 | 57 | 60 | 50 | 55 | 3684 | 5 | 4.47 | | | | | 100 | 20 | 72 |
| Month Mean | 64 | 42 | | 66 | 48 | | 58 | 52 | | | | | | | | | 99 | 45 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 5%
 - at 11-13" = 9%

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Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|------|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 69 | 39 | 54 | | | | | | | | | | | | | | | 76 | 22 | 49 |
| 2 | 64 | 39 | 52 | | | | | | | | | | | | | | | 63 | 27 | 45 |
| 3 | 63 | 35 | 49 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 4 | 58 | 36 | 47 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 5 | 66 | 33 | 50 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 6 | 59 | 35 | 47 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 7 | 64 | 42 | 53 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 71 | 29 | 50 |
| 8 | 67 | 42 | 54 | 70 | 50 | 60 | 61 | 54 | 57 | 886 | 6 | | | N-D | N-D | | | 72 | 30 | 51 |
| 9 | 63 | 34 | 48 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 10 | 58 | 29 | 44 | | | | | | | | | | | | | | | 100 | 23 | 62 |
| 11 | 60 | 29 | 44 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 12 | 66 | 33 | 50 | | | | | | | | | | | | | | | 61 | 23 | 42 |
| 13 | 66 | 50 | 58 | | | | | | | | | | | | | | | 47 | 32 | 40 |
| 14 | 67 | 41 | 54 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 15 | 63 | 42 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 62 | 33 | 48 |
| 16 | 67 | 41 | 54 | 67 | 48 | 57 | 58 | 52 | 55 | 1322 | 7 | 0.09 | 0 | N-D | | | | 68 | 32 | 50 |
| 17 | 58 | 37 | 48 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 18 | 60 | 31 | 46 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 19 | 52 | 36 | 44 | | | | | | | | | | | | | | | 100 | 81 | 90 |
| 20 | 46 | 31 | 38 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 21 | 57 | 29 | 43 | | | | | | | | | | | | | | | 66 | 23 | 44 |
| 22 | 58 | 28 | 43 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 20 | 60 |
| 23 | 57 | 26 | 42 | 67 | 42 | 54 | 56 | 48 | 52 | 988 | 6 | 0.25 | 0 | N-D | | | | 100 | 22 | 61 |
| 24 | 42 | 26 | 34 | | | | | | | | | | | | | | | 100 | 83 | 92 |
| 25 | 42 | 23 | 32 | | | | | | | | | | | | | | | 100 | 60 | 80 |
| 26 | 45 | 31 | 38 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 27 | 56 | 30 | 43 | | | | | | | | | | | | | | | 80 | 11 | 46 |
| 28 | 58 | 40 | 49 | | | | | | | | | | | | | | | 39 | 20 | 30 |
| 29 | 55 | 36 | 46 | | | | | | | | | | | | | | | 52 | 26 | 39 |
| 30 | 56 | 29 | 42 | 61 | 49 | 55 | 52 | 46 | 49 | 1566 | 8 | 0.49 | 0 | N-D | 10 | 12 | 100 | 26 | 63 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 69 | 23 | 47 | 70 | 42 | 57 | 61 | 46 | 53 | 4762 | 7 | 0.83 | | | | | | 100 | 11 | 60 |
| Month Mean | 59 | 34 | 46 | 66 | 47 | 57 | 57 | 50 | 53 | | | | | | | | | 85 | 34 | 63 |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|------|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 58 | 26 | 42 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 2 | 61 | 28 | 44 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 3 | 58 | 32 | 45 | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 4 | 58 | 34 | 46 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 5 | 43 | 18 | 30 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 6 | 36 | 17 | 26 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 7 | 51 | 34 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 36 | 21 | 28 |
| 8 | 58 | 35 | 46 | 58 | 38 | 48 | 50 | 42 | 46 | 1568 | 8 | 0.00 | T | N-D | | | | 33 | 13 | 23 |
| 9 | 64 | 33 | 48 | | | | | | | | | | | | | | | 48 | 15 | 32 |
| 10 | 58 | 34 | 46 | | | | | | | | | | | | | | | 43 | 24 | 34 |
| 11 | 48 | 37 | 42 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 12 | 49 | 34 | 42 | | | | | | | | | | | | | | | 62 | 36 | 49 |
| 13 | 53 | 28 | 40 | | | | | | | | | | | | | | | 92 | 38 | 65 |
| 14 | 57 | 25 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 94 | 23 | 58 |
| 15 | 57 | 29 | 43 | 56 | 40 | 48 | 48 | 44 | 46 | 1620 | 10 | 0.00 | 0 | N-D | | | | 100 | 36 | 68 |
| 16 | 53 | 28 | 40 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 17 | 55 | 28 | 42 | | | | | | | | | | | | | | | 97 | 38 | 68 |
| 18 | 56 | 31 | 44 | | | | | | | | | | | | | | | 94 | 30 | 62 |
| 19 | 56 | 43 | 50 | | | | | | | | | | | | | | | 45 | 34 | 40 |
| 20 | 50 | 32 | 41 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 21 | 54 | 28 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 22 | 53 | 31 | 42 | 54 | 41 | 48 | 48 | 44 | 46 | 1019 | 6 | 0.00 | 0 | N-D | | | | 100 | 40 | 70 |
| 23 | 36 | 17 | 26 | | | | | | | | | | | | | | | | | |
| 24 | 48 | 31 | 40 | | | | | | | | | | | | | | | | | |
| 25 | 53 | 36 | 44 | | | | | | | | | | | | | | | | | |
| 26 | 45 | 33 | 39 | | | | | | | | | | | | | | | | | |
| 27 | 35 | 15 | 25 | | | | | | | | | | | | | | | | | |
| 28 | 25 | 16 | 20 | | | | | | | | | | | | | | | | | |
| 29 | 21 | 16 | 18 | | | | | | | | | | | | | | | | | |
| 30 | 38 | 20 | 29 | | | | | | | | | | | | | | | | | |
| 31 | 35 | 21 | 28 | 50 | 34 | 42 | 46 | 38 | 42 | 3083 | 14 | 0.50 | 2 | N-D | 8 | 10 | 100 | 07 | 54 | |
| Month Mean | 64 | 15 | 39 | 58 | 34 | 46 | 50 | 38 | 45 | 7290 | 10 | 0.50 | | | | | | 100 | 07 | 57 |
| Month Mean | 49 | 28 | 38 | 55 | 38 | 48 | 48 | 42 | 45 | | | | | | | | | 84 | 30 | 63 |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches Total Depth | | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------------------|-------------|-------------------------|-----|-------------------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" | | 11-13" | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | Max | Min | Mean | Max | Min | Mean |
| 1 | 25 | 08 | 16 | | | | | | | | | | | | | | | | | |
| 2 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 3 | 27 | 07 | 17 | | | | | | | | | | | | | | | | | |
| 4 | 43 | 33 | 38 | | | | | | | | | | | | | | | | | |
| 5 | 37 | 17 | 27 | 39 | 33 | 36 | 40 | 36 | 38 | 1695 | 14 | 0.20 | 2 | N-D | | | | | | |
| 6 | 31 | 15 | 23 | | | | | | | | | | | | | | | | | |
| 7 | 23 | 10 | 16 | | | | | | | | | | | | | | | | | |
| 8 | 39 | 08 | 24 | | | | | | | | | | | | | | | | | |
| 9 | 29 | 24 | 26 | | | | | | | | | | | | | | | | | |
| 10 | 34 | 24 | 29 | | | | | | | | | | | | | | | | | |
| 11 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 12 | 33 | 16 | 24 | 39 | 32 | 36 | 39 | 35 | 37 | 2057 | 12 | 1.70 | 12 | N-D | | | | | | |
| 13 | 33 | 11 | 22 | | | | | | | | | | | | | | | | | |
| 14 | 40 | 14 | 27 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 18 | 27 | -12 | 08 | | | | | | | | | | | | | | | | | |
| 19 | 41 | 24 | 32 | 34 | 30 | 32 | 36 | 33 | 34 | 2380 | 14 | 0.20 | 15 | N-D | | | | | | |
| 20 | 49 | 31 | 40 | | | | | | | | | | | | | | | | | |
| 21 | 43 | 27 | 35 | | | | | | | | | | | | | | | | | |
| 22 | 27 | 11 | 19 | | | | | | | | | | | | | | | | | |
| 23 | 29 | 10 | 20 | | | | | | | | | | | | | | | | | |
| 24 | 25 | 14 | 20 | | | | | | | | | | | | | | | | | |
| 25 | 33 | 22 | 28 | | | | | | | | | | | | | | | | | |
| 26 | 31 | 24 | 28 | 33 | 27 | 30 | 33 | 31 | 32 | 2790 | 17 | 0.20 | 16 | N-D | | | | | | |
| 27 | 28 | 25 | 26 | | | | | | | | | | | | | | | | | |
| 28 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 30 | 38 | 24 | 31 | 31 | 27 | 29 | 33 | 31 | 32 | 1606 | 16 | 0.30 | 16 | N-D | N-D | N-D | | | | |
| 31 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| Month Mean | 49 | -12 | 25 | 39 | 27 | 33 | 40 | 31 | 35 | 10528 | 15 | 2.60 | | | | | | | | |
| Month Mean | 33 | 17 | | 35 | 30 | | 36 | 33 | | | | | | | | | | | | |

- Key Thermograph (Bourdon Tube) ① Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge ②
 Snow Stake
 Utah Tube
 Oven-Drying Method ③
 Hygrograph (Hair) ④
 Av. of Max & Min
- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches Total Depth | | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------------------|-------------|-------------------------|-----|-------------------|-----|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" | | 11-13" | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | Max | Min | Mean | Max | Min | Mean |
| 1 | 28 | 18 | 23 | | | | | | | | | | | | | | | | | |
| 2 | 30 | 08 | 19 | | | | | | | | | | | | | | | | | |
| 3 | 12 | 07 | 10 | | | | | | | | | | | | | | | | | |
| 4 | 12 | 06 | 09 | | | | | | | | | | | | | | | | | |
| 5 | 22 | 06 | 14 | | | | | | | | | | | | | | | | | |
| 6 | 25 | 17 | 21 | | | | | | | | | | | | | | | | | |
| 7 | 21 | 08 | 14 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 10 | 26 | 06 | 16 | 30 | 20 | 25 | 32 | 28 | 30 | 3634 | 15 | | 21 | N-D | | | | | | |
| 11 | 28 | 10 | 19 | | | | | | | | | | | | | | | | | |
| 12 | 34 | 24 | 29 | | | | | | | | | | | | | | | | | |
| 13 | 31 | 17 | 24 | | | | | | | | | | | | | | | | | |
| 14 | 25 | 13 | 19 | | | | | | | | | | | | | | | | | |
| 15 | 30 | 14 | 22 | | | | | | | | | | | | | | | | | |
| 16 | 26 | 19 | 22 | | | | | | | | | | | | | | | | | |
| 17 | 22 | 18 | 20 | 29 | 20 | 24 | 30 | 27 | 28 | 3150 | 19 | | 27 | N-D | | | | | | |
| 18 | 30 | 20 | 25 | | | | | | | | | | | | | | | | | |
| 19 | 38 | 30 | 34 | | | | | | | | | | | | | | | | | |
| 20 | 38 | 31 | 34 | | | | | | | | | | | | | | | | | |
| 21 | 38 | 30 | 34 | | | | | | | | | | | | | | | | | |
| 22 | 41 | 30 | 36 | | | | | | | | | | | | | | | | | |
| 23 | 47 | 32 | 40 | 31 | 25 | 28 | 31 | 28 | 30 | 3490 | 24 | | 24 | N-D | | | | | | |
| 24 | 42 | 36 | 39 | | | | | | | | | | | | | | | | | |
| 25 | 38 | 30 | 34 | | | | | | | | | | | | | | | | | |
| 26 | 44 | 28 | 36 | | | | | | | | | | | | | | | | | |
| 27 | 41 | 30 | 36 | | | | | | | | | | | | | | | | | |
| 28 | 35 | 12 | 24 | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 30 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | | |
| 31 | 47 | 09 | 28 | 33 | 28 | 30 | 34 | 30 | 32 | 1979 | 10 | | 24 | N-D | 7 | 10 | | | | |
| Month Mean | 47 | 06 | 25 | 33 | 20 | 27 | 34 | 27 | 30 | 12253 | 16 | 1.70 | | | | | | | | |
| Month Mean | 32 | 19 | | 31 | 23 | | 32 | 28 | | | | | | | | | | | | |

- Key Thermograph (Bourdon Tube) ① Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge ②
 Snow Stake
 Utah Tube
 Oven-Drying Method ③
 Hygrograph (Hair) ④
 Av. of Max & Min
- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month January Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air *F | | | Temp. Soil *F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|-----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | ↓ | ↓ | ↓ | | | | | | | | | | | | | | | | |
| 2 | 24 | 15 | 20 | | | | | | | | | | | | | | 100 | 81 | 90 |
| 3 | 23 | 16 | 20 | | | | | | | | | | | | | | 100 | 68 | 84 |
| 4 | 22 | 08 | 15 | | | | | | | | | | | | | | 100 | 59 | 80 |
| 5 | 08 | -01 | 04 | | | | | | | | | | | | | | | | |
| 6 | 12 | 00 | 06 | | | | | | | | | | | | | | | | |
| 7 | 12 | 05 | 08 | | | | | | | | | | | | | | | | |
| 8 | 06 | 04 | 05 | | | | | | | | | | | | | | | | |
| 9 | 08 | 02 | 05 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 13 | | | | | | | | | | | | | | | | | 70 | 28 | 49 |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 22 | 25 | -15 | 05 | 19 | 06 | 12 | 19 | 09 | 14 | 11895 | 24 | 0.90 | 2 | | | | 100 | 32 | 66 |
| 23 | 04 | -16 | -06 | | | | | | | | | | | | | | | | |
| 24 | 05 | 02 | 04 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 25 | 08 | 03 | 06 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 26 | 03 | -01 | 01 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 27 | 05 | 01 | 03 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 28 | 08 | -02 | 03 | | | | | | | | | | | | | | 100 | 78 | 89 |
| 29 | 16 | 06 | 11 | | | | | | | | | | | | | | 92 | 39 | 66 |
| 30 | 23 | 12 | 18 | | | | | | | | | | | | | | 49 | 33 | 41 |
| 31 | 19 | 04 | 12 | 15 | 04 | 10 | 15 | 07 | 11 | 7099 | 33 | 0.20 | 0 | | | | 100 | 31 | 66 |
| Month | 25 | -16 | 08 | 19 | 04 | 11 | 19 | 07 | 12 | 18994 | 26 | 1.10 | | | | | 100 | 28 | 76 |
| Month Mean | 13 | 02 | | 17 | 05 | | 17 | 08 | | | | | | | | | 94 | 59 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month February Year 1955
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air *F | | | Temp. Soil *F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | 09 | 04 | 06 | | | | | | | | | | | | | | 100 | 96 | 98 |
| 2 | 08 | -01 | 04 | | | | | | | | | | | | | | 100 | 61 | 80 |
| 3 | 03 | -09 | -03 | | | | | | | | | | | | | | 100 | 77 | 88 |
| 4 | -04 | -10 | -07 | | | | | | | | | | | | | | | | |
| 5 | -01 | -08 | -04 | | | | | | | | | | | | | | | | |
| 6 | 02 | -09 | -04 | | | | | | | | | | | | | | | | |
| 7 | 11 | -07 | 02 | | | | | | | | | | | | | | | | |
| 8 | 15 | 09 | 12 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 12 | 18 | -21 | -02 | 16 | 05 | 10 | 16 | 08 | 12 | 8853 | 31 | 0.70 | 0 | | | | 100 | 25 | 62 |
| 13 | 17 | 03 | 10 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 14 | 22 | 13 | 18 | | | | | | | | | | | | | | 58 | 30 | 44 |
| 15 | 17 | 11 | 14 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 16 | 20 | 08 | 14 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 17 | 20 | 13 | 16 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 27 | 15 | -25 | -05 | 17 | 04 | 10 | 17 | 06 | 11 | 9429 | 26 | 0.40 | 2 | | | | 100 | 29 | 64 |
| 28 | 09 | 03 | 06 | | | | | | | | | | | | | | N-D | N-D | 90 |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 22 | -25 | 05 | 17 | 04 | 10 | 17 | 06 | 12 | 18282 | 28 | 1.10 | | | | | 100 | 24 | 72 |
| Month Mean | 11 | -02 | | 16 | 04 | | 16 | 07 | | | | | | | | | 96 | 48 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month March Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|---------------|----|----|--------------|--|----|-------------|---------------------------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | 20 | 08 | 14 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | 39 | -17 | 11 | 24 | 08 | 16 | 22 | 11 | 16 | 16841 | 21 | 2.90 | 0 | 24 | N-D | 100 | 19 | 60 | |
| Month | 39 | -17 | 12 | 24 | 08 | | 22 | 11 | | 16841 | 21 | 2.90 | | | | 100 | 19 | 68 | |
| Month Mean | 30 | -04 | | | | | | | | | | | | | | 98 | 38 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | | | | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) ② | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month April Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|---------------|----|----|--------------|--|----|-------------|---------------------------------|----------------------|-----------------------|-------------------------|--------------------|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max | Min | Mean | |
| 1 | N-D | N-D | N-D | | | | | | | | | | | | | | | | |
| 2 | N-D | N-D | N-D | | | | | | | | | | | | | | | | |
| 3 | 32 | -08 | 12 | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | 32 | 22 | 27 | | | | | | | | | | | | | | | | |
| 16 | 34 | 19 | 26 | | | | | | | | | | | | | | | | |
| 17 | 31 | 18 | 24 | | | | | | | | | | | | | | | | |
| 18 | 33 | 17 | 25 | | | | | | | | | | | | | | | | |
| 19 | 24 | 01 | 12 | | | | | | | | | | | | | | | | |
| 20 | 24 | 04 | 14 | | | | | | | | | | | | | | | | |
| 21 | 33 | 17 | 25 | | | | | | | | | | | | | | | | |
| 22 | 31 | 17 | 25 | 27 | 12 | 20 | 26 | 15 | 21 | 8103 | 17 | 0.70 | 0 | | | | | | |
| 23 | 17 | 05 | 11 | | | | | | | | | | | | | | | | |
| 24 | 32 | 15 | 24 | | | | | | | | | | | | | | | | |
| 25 | 40 | 24 | 32 | | | | | | | | | | | | | | | | |
| 26 | 41 | 17 | 29 | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | 43 | 03 | 23 | 30 | 22 | 26 | 28 | 23 | 26 | 3854 | 20 | 0.15 | 21 | 65 | N-D | 85 | 41 | 63 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 43 | -08 | 22 | 30 | 12 | 23 | 28 | 15 | 23 | 11957 | 18 | 0.85 | | | | 100 | 20 | 75 | |
| Month Mean | 32 | 13 | | 28 | 17 | | 27 | 19 | | | | | | | | 93 | 57 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | | | | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) ② | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 10%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month May Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------|-------------|-------------------|----------|------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" N-D | 11-13" N-D | Max | Min |
| 1 | 43 | 27 | 35 | | | | | | | | | | | 88 | 37 | 62 | |
| 2 | 38 | 17 | 24 | | | | | | | | | | | 100 | 49 | 74 | |
| 3 | 17 | 11 | 14 | | | | | | | | | | | 100 | 100 | 100 | |
| 4 | 36 | 16 | 26 | | | | | | | | | | | 100 | 35 | 68 | |
| 5 | 41 | 27 | 34 | | | | | | | | | | | 55 | 23 | 39 | |
| 6 | 41 | 29 | 35 | | | | | | | | | | | 56 | 36 | 46 | |
| 7 | 45 | 30 | 38 | | | | | | | | | | | 98 | 37 | 68 | |
| 8 | 34 | 24 | 29 | | | | | | | | | | | 100 | 72 | 86 | |
| 9 | 33 | 21 | 27 | | | | | | | | | | | 100 | 54 | 77 | |
| 10 | 37 | 19 | 28 | | | | | | | | | | | 100 | 66 | 83 | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | 46 | 25 | 36 | 32 | 29 | 30 | 32 | 28 | 30 | 53 | 19 | 1.05 | 0 | 65 | | | |
| 15 | 29 | 15 | 22 | | | | | | | | | | | | | | |
| 16 | 28 | 15 | 22 | | | | | | | | | | | | | | |
| 17 | 23 | 20 | 22 | | | | | | | | | | | | | | |
| 18 | 30 | 23 | 26 | | | | | | | | | | | | | | |
| 19 | 42 | 20 | 31 | | | | | | | | | | | | | | |
| 20 | 40 | 31 | 36 | | | | | | | | | | | | | | |
| 21 | 36 | 25 | 30 | | | | | | | | | | | | | | |
| 22 | 37 | 23 | 30 | | | | | | | | | | | | | | |
| 23 | 40 | 28 | 34 | | | | | | | | | | | | | | |
| 24 | 38 | 26 | 32 | | | | | | | | | | | | | | |
| 25 | 27 | 23 | 25 | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | 43 | 12 | 28 | 32 | 32 | 32 | 32 | 30 | 31 | 63 | 54 | 2.70 | 2 | 100 | 26 | 63 | |
| 30 | 43 | 29 | 36 | | | | | | | | | | | | | | |
| 31 | 46 | 11 | 29 | 32 | 29 | 31 | 32 | 28 | 30 | 116 | 73 | 16 | 3.75 | 54 | 100 | 14 | 72 |
| Month Mean | 36 | 22 | | 32 | 30 | | 32 | 29 | | | | | | 95 | 49 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month June Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | |
|------------|--------------|-----|------|----------------|----------------|-----------------|------------------|------------------|----------------------|-----------------------|-------------------------|-------------|-------------------|----------|------------|-----|-----|
| | Max | Min | Mean | 5-7 Inches Max | 5-7 Inches Min | 5-7 Inches Mean | 11-13 Inches Max | 11-13 Inches Min | | | 11-13 Inches Mean | Total Miles | Av. Vel. mph | 5-7" N-D | 11-13" N-D | Max | Min |
| 1 | 37 | 24 | 30 | | | | | | | | | | | 100 | 36 | 68 | |
| 2 | 35 | 21 | 28 | | | | | | | | | | | 100 | 35 | 68 | |
| 3 | 27 | 18 | 22 | | | | | | | | | | | 100 | 71 | 86 | |
| 4 | 25 | 20 | 22 | | | | | | | | | | | 100 | 93 | 96 | |
| 5 | 27 | 20 | 24 | | | | | | | | | | | 100 | 05 | 52 | |
| 6 | 35 | 26 | 30 | | | | | | | | | | | 100 | 62 | 81 | |
| 7 | 44 | 30 | 37 | | | | | | | | | | | 100 | 42 | 71 | |
| 8 | 44 | 25 | 34 | | | | | | | | | | | 100 | 38 | 69 | |
| 9 | 25 | 21 | 23 | | | | | | | | | | | 100 | 43 | 72 | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | 48 | 21 | 34 | 36 | 32 | 34 | 32 | 31 | 32 | 76 | 29 | 18 | 2.30 | 0 | 100 | 34 | 67 |
| 17 | 42 | 31 | 36 | | | | | | | | | | | | | | |
| 18 | 46 | 33 | 40 | | | | | | | | | | | | | | |
| 19 | 53 | 36 | 44 | | | | | | | | | | | | | | |
| 20 | 52 | 37 | 44 | | | | | | | | | | | | | | |
| 21 | 50 | 36 | 43 | | | | | | | | | | | | | | |
| 22 | 56 | 41 | 48 | | | | | | | | | | | | | | |
| 23 | 52 | 38 | 45 | | | | | | | | | | | | | | |
| 24 | 53 | 38 | 46 | | | | | | | | | | | | | | |
| 25 | 50 | 37 | 44 | | | | | | | | | | | | | | |
| 26 | 53 | 37 | 45 | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | 56 | 26 | 41 | 48 | 31 | 40 | 42 | 31 | 36 | 44 | 20 | 12 | 0.10 | 0 | 100 | 19 | 60 |
| 31 | 56 | 18 | 36 | 48 | 31 | 37 | 42 | 31 | 34 | 120 | 49 | 15 | 2.40 | | | | |
| Month Mean | 43 | 29 | | 42 | 31 | | 37 | 31 | | | | | | 91 | 34 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 10% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month September Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | | |
|------------|------------------------------|------------------|------|--|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|-----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" 11-13" | Max | Min | Mean | | | | |
| 1 | ↓ | ↓ | ↓ | | | | | | | | N-D | N-D | ↓ | ↓ | ↓ | | | |
| 2 | 54 | 45 | 50 | | | | | | | | | | 35 | 24 | 30 | | | |
| 3 | 55 | 44 | 50 | | | | | | | | | | 57 | 26 | 42 | | | |
| 4 | 51 | 38 | 44 | | | | | | | | | | 100 | 48 | 74 | | | |
| 5 | 57 | 37 | 47 | | | | | | | | | | 100 | 29 | 64 | | | |
| 6 | 51 | 39 | 45 | | | | | | | | | | 100 | 31 | 66 | | | |
| 7 | 55 | 39 | 47 | | | | | | | | | | 60 | 35 | 48 | | | |
| 8 | 57 | 43 | 50 | | | | | | | | | | 51 | 31 | 41 | | | |
| 9 | 49 | 32 | 40 | | | | | | | | | | 100 | 47 | 74 | | | |
| 10 | 47 | 31 | 39 | | | | | | | | | | 100 | 22 | 61 | | | |
| 11 | 52 | 37 | 44 | | | | | | | | | | 37 | 20 | 28 | | | |
| 12 | 54 | 41 | 48 | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | ↓ | ↓ | ↓ | | | | | | | | | | ↓ | ↓ | ↓ | | | |
| 18 | 55 | 36 | 46 | 52 | 41 | 47 | 48 | 43 | 46 | 5334 | 13 | 0.10 | 0 | 100 | 22 | 61 | | |
| 19 | 44 | 35 | 40 | | | | | | | | | | | 100 | 63 | 82 | | |
| 20 | 38 | 25 | 32 | | | | | | | | | | | 100 | 55 | 78 | | |
| 21 | 46 | 28 | 37 | | | | | | | | | | | 63 | 24 | 44 | | |
| 22 | 46 | 32 | 39 | | | | | | | | | | | 49 | 21 | 35 | | |
| 23 | 47 | 32 | 40 | | | | | | | | | | | 100 | 33 | 66 | | |
| 24 | 42 | 24 | 33 | | | | | | | | | | | 100 | 36 | 68 | | |
| 25 | 40 | 26 | 33 | | | | | | | | | | | 100 | 62 | 81 | | |
| 26 | 35 | 24 | 30 | | | | | | | | | | | 100 | 44 | 72 | | |
| 27 | 44 | 24 | 34 | | | | | | | | | | | 100 | 19 | 60 | | |
| 28 | 47 | 31 | 39 | | | | | | | | | | | | | | | |
| 29 | 43 | 30 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| 30 | 45 | 27 | 36 | 46 | 34 | 40 | 45 | 35 | 40 | 4731 | 16 | 0.30 | 0 | N-D | N-D | 61 | 27 | 44 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 57 | 24 | 41 | 52 | 34 | 43 | 48 | 35 | 43 | 10065 | 14 | 0.40 | | | | 100 | 19 | 58 |
| Month Mean | 48 | 33 | 38 | 49 | 38 | 46 | 46 | 39 | 43 | | | | | | | 82 | 34 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 10%
at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month October Year 1955

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | | |
|------------|------------------------------|------------------|------|--|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|-----|-----|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | | 5-7" 11-13" | Max | Min | Mean | | | | |
| 1 | 49 | 31 | 40 | | | | | | | | N-D | N-D | 100 | 28 | 64 | | | |
| 2 | 47 | 34 | 40 | | | | | | | | ↑ | ↑ | 100 | 30 | 65 | | | |
| 3 | 47 | 33 | 40 | | | | | | | | | | 88 | 31 | 60 | | | |
| 4 | 46 | 27 | 36 | | | | | | | | | | 100 | 38 | 69 | | | |
| 5 | 28 | 09 | 18 | | | | | | | | | | 100 | 56 | 78 | | | |
| 6 | 22 | 08 | 15 | | | | | | | | | | 100 | 27 | 64 | | | |
| 7 | 36 | 20 | 28 | | | | | | | | | | 38 | 25 | 32 | | | |
| 8 | 42 | 33 | 38 | | | | | | | | | | 27 | 16 | 22 | | | |
| 9 | 48 | 32 | 40 | | | | | | | | | | 24 | 13 | 18 | | | |
| 10 | 44 | 34 | 39 | | | | | | | | | | 60 | 19 | 40 | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | ↓ | ↓ | ↓ | | | | | | | | | | ↓ | ↓ | ↓ | | | |
| 21 | 45 | 21 | 33 | 42 | 32 | 37 | 40 | 34 | 37 | 9106 | 18 | 0.05 | 0 | 100 | 25 | 62 | | |
| 22 | 41 | 20 | 30 | | | | | | | | | | | 100 | 55 | 78 | | |
| 23 | 26 | 11 | 18 | | | | | | | | | | | 100 | 17 | 58 | | |
| 24 | 33 | 23 | 28 | | | | | | | | | | | 19 | 12 | 16 | | |
| 25 | 37 | 27 | 32 | | | | | | | | | | | 25 | 11 | 18 | | |
| 26 | 31 | 23 | 27 | | | | | | | | | | | 100 | 25 | 62 | | |
| 27 | 25 | 06 | 16 | | | | | | | | | | | 100 | 70 | 85 | | |
| 28 | 13 | 06 | 10 | | | | | | | | | | | 100 | 50 | 75 | | |
| 29 | 12 | 08 | 10 | | | | | | | | | | | N-D | N-D | N-D | | |
| 30 | 23 | 11 | 17 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 31 | 24 | 12 | 18 | 36 | 30 | 33 | 36 | 20 | 28 | 8460 | 25 | 1.00 | N-D | N-D | N-D | 100 | 90 | 95 |
| Month | 49 | 06 | 27 | 42 | 30 | 35 | 40 | 20 | 32 | 17566 | 21 | 1.05 | | | | 100 | 11 | 57 |
| Month Mean | 34 | 20 | 27 | 39 | 31 | 38 | 38 | 27 | 32 | | | | | | | 79 | 36 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 10%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | | | |
|------------|--------------|-----|------|-----------------------|----|----|--------------|----|----|-------------|------------------|----------------------|-----------------------|---------------|-----------------|-------------------|-----|------|-----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | % Dry | Wt. 5-7" 11-13" | Max | Min | Mean | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | 31 | -05 | 13 | Refer to 31 Oct. 1955 | | | | | | | | | | | 0 | | | 100 | 27 | 64 |
| 5 | 25 | 16 | 20 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 6 | 20 | 10 | 15 | | | | | | | | | | | | | | 100 | 43 | 72 | |
| 7 | 14 | 06 | 10 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 8 | 28 | 11 | 20 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 9 | 18 | 15 | 16 | | | | | | | | | | | | | | 100 | 96 | 98 | |
| 10 | 23 | 15 | 19 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 11 | 23 | 14 | 18 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 12 | 20 | 15 | 18 | | | | | | | | | | | | | | 100 | 72 | 86 | |
| 13 | 22 | 14 | 18 | | | | | | | | | | | | | | 100 | 67 | 84 | |
| 14 | 25 | 10 | 18 | | | | | | | | | | | | | | 100 | 66 | 83 | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | 35 | -21 | 07 | 29 | 24 | 26 | 31 | 25 | 28 | 9774 | 26 | | | 0 | | | 100 | 35 | 68 | |
| 21 | 30 | 18 | 24 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 22 | 18 | 02 | 10 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 23 | 17 | 02 | 10 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 24 | 16 | 05 | 10 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 25 | 22 | 11 | 16 | | | | | | | | | | | | | | 58 | 31 | 44 | |
| 26 | 20 | 13 | 16 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 27 | 20 | 17 | 18 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 28 | 17 | 15 | 16 | | | | | | | | | | | | | | 100 | 85 | 92 | |
| 29 | 25 | 17 | 21 | | | | | | | | | | | | | | 85 | 30 | 58 | |
| 30 | 20 | 14 | 17 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 31 | | | | 30 | 10 | 20 | 31 | 18 | 24 | 9774 | 29 | | | N-D | | | N-D | | | |
| Month | 35 | -21 | 16 | 30 | 10 | 23 | 31 | 18 | 26 | 19548 | 27 | | | 2.64 | | | | | | |
| Month Mean | 22 | 10 | | 30 | 17 | | 31 | 22 | | | | | | | | | 97 | 60 | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | Relative Humidity | | | | |
|------------|--------------|-----|------|-----------------------|----|----|--------------|----|----|-------------|------------------|----------------------|-----------------------|---------------|-----------------|-------------------|-----|------|-----|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | % Dry | Wt. 5-7" 11-13" | Max | Min | Mean | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | 14 | -03 | 06 | Refer to 30 Nov. 1955 | | | | | | | | | | | 0 | | | 100 | 100 | 100 |
| 5 | 14 | -03 | 06 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 6 | 14 | 07 | 10 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 7 | 12 | -02 | 05 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 8 | 15 | -03 | 06 | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 9 | 16 | 06 | 11 | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 10 | 05 | 01 | 03 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 11 | 16 | 01 | 08 | | | | | | | | | | | | | | 100 | 43 | 72 | |
| 12 | 21 | 15 | 18 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 13 | 20 | 08 | 14 | | | | | | | | | | | | | | 100 | 98 | 99 | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | 28 | 04 | 16 | 20 | 12 | 16 | 21 | 15 | 18 | 11447 | 28 | | | 0 | | | 100 | 19 | 60 | |
| 22 | 28 | 24 | 26 | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 23 | 33 | 24 | 28 | | | | | | | | | | | | | | 100 | 61 | 80 | |
| 24 | 30 | 26 | 28 | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 25 | 26 | 21 | 24 | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 26 | 29 | 21 | 25 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 27 | 27 | 22 | 24 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 28 | 23 | 16 | 20 | | | | | | | | | | | | | | 100 | 65 | 82 | |
| 29 | 23 | 17 | 20 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 30 | 32 | 22 | 27 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 31 | 34 | 03 | 18 | 24 | 17 | 20 | 24 | 19 | 22 | 7127 | 25 | | | N-D | | | N-D | | | |
| Month | 34 | -03 | 16 | 24 | 12 | 18 | 24 | 15 | 20 | 18574 | 27 | | | 1.30 | | | | | | |
| Month Mean | 22 | 11 | | 22 | 15 | | 22 | 17 | | | | | | | | | 100 | 59 | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Army and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month January Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 61 | 24 | 42 | 34 | 24 | 29 | 37 | 32 | 34 | 1346 | 8 | 0.00 | T | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | 59 | 25 | 42 | 31 | 26 | 28 | 34 | 30 | 32 | 962 | 6 | 0.00 | T | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | 40 | 07 | 24 | 31 | 23 | 27 | 33 | 30 | 32 | 354 | 2 | 0.35 | T | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 49 | 08 | 28 | 30 | 21 | 26 | 31 | 28 | 30 | 1175 | 5 | 0.35 | 5 | 3 | 8 | N-D | N-D | N-D | N-D |
| Month | 61 | 07 | 34 | 34 | 21 | 28 | 37 | 28 | 32 | 3837 | 5 | 0.70 | | | | | | | |
| Month Mean | 52 | 16 | | 32 | 24 | | 34 | 30 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month February Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 46 | -08 | 19 | 28 | 23 | 26 | 30 | 27 | 28 | 643 | 4 | 0.15 | 4 | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | 41 | 09 | 25 | | | | | | | 546 | 6 | 0.45 | 15 | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | 45 | 05 | 25 | 30 | 27 | 28 | 31 | 27 | 29 | 1077 | 7 | 0.00 | 12 | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | 56 | 15 | 36 | 31 | 28 | 30 | 32 | 29 | 30 | 2333 | 8 | 0.20 | 5 | 8 | 10 | N-D | N-D | N-D | N-D |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 56 | -08 | 26 | 31 | 23 | 28 | 32 | 27 | 30 | 4599 | 7 | 0.80 | | | | | | | |
| Month Mean | 47 | 05 | | 30 | 26 | | 31 | 28 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month March Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|--------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | 51 | 21 | 36 | 30 | 28 | 29 | 32 | 30 | 31 | 1156 | 16 | 0.00 | 4 | | | | N-D | N-D | N-D |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | 56 | 03 | 30 | 31 | 28 | 30 | 32 | 29 | 30 | 2067 | 12 | 0.60 | 6 | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | 45 | 00 | 22 | 32 | 31 | 32 | 33 | 30 | 32 | 1259 | 8 | 0.60 | 6 | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | 64 | 28 | 46 | 43 | 30 | 36 | 36 | 31 | 34 | 749 | 4 | 0.00 | T | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 71 | 23 | 47 | 48 | 33 | 40 | 42 | 34 | 38 | 1791 | 11 | 0.00 | T | 10 | 11 | | N-D | N-D | N-D |
| Month | 71 | 00 | 36 | 48 | 28 | 33 | 42 | 29 | 33 | 7022 | 9 | 1.20 | | | | | | | |
| Month Mean | 57 | 15 | | 37 | 30 | | 35 | 31 | | | | | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month April Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|--------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 68 | 17 | 42 | 47 | 34 | 40 | 42 | 36 | 39 | 1213 | 7 | 0.60 | T | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | 63 | 18 | 40 | 48 | 34 | 41 | 44 | 36 | 40 | 673 | 4 | 0.20 | T | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | 67 | 26 | 46 | 52 | 36 | 44 | 45 | 39 | 42 | 843 | 5 | 0.10 | T | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | 16 | 13 | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 69 | 24 | 46 | 53 | 37 | 45 | 48 | 40 | 44 | 956 | 4 | 1.05 | 0 | | | | N-D | N-D | N-D |
| Month | 69 | 17 | 44 | 53 | 34 | 43 | 48 | 36 | 41 | 3685 | 5 | 1.95 | | | | | | | |
| Month Mean | 67 | 21 | | 50 | 35 | | 45 | 38 | | | | | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|------------|----------------------|-----------------------|-------------------------------------|---------------------|------|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | | Max | Min | Mean | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 5 | 75 | 34 | 54 | 58 | 41 | 50 | 50 | 42 | 46 | 661 | 6 | 0.20 | 7 | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 12 | 77 | 40 | 58 | 63 | 44 | 53 | 54 | 42 | 48 | 1110 | 6 | 0.00 | 0 | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | 80 | 29 | 54 | 68 | 40 | 54 | 56 | 45 | 50 | 791 | 5 | 1.00 | 0 | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 26 | 74 | 43 | 58 | 64 | 47 | 56 | 56 | 50 | 53 | 803 | 5 | 2.65 | 0 | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 74 | 43 | 58 | 69 | 46 | 57 | 58 | 51 | 54 | 359 | 3 | 0.00 | 0 | 11 | 12 | N-D | N-D | N-D | N-D |
| Month | 80 | 29 | 57 | 69 | 40 | 54 | 58 | 42 | 50 | 3724 | 5 | 3.85 | | | | | | | |
| Month Mean | 76 | 38 | | 64 | 44 | | 55 | 46 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|------------|----------------------|-----------------------|-------------------------------------|---------------------|------|-------------------|------------------|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | | Max | Min | Mean | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 13 | 94 | 48 | 71 | 78 | 52 | 64 | 65 | 56 | 60 | | | 0.45 | 0 | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | 0.60 | 0 | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 30 | 92 | 44 | 68 | 82 | 52 | 67 | 66 | 58 | 62 | | | 0.09 | 0 | 5 | 7 | N-D | N-D | N-D | N-D |
| 31 | 94 | 44 | 70 | 82 | 52 | 66 | 66 | 56 | 61 | 3256 | 5 | 1.14 | | | | | | | |
| Month | 94 | 44 | 70 | 82 | 52 | 66 | 66 | 56 | 61 | 3256 | 5 | 1.14 | | | | | | | |
| Month Mean | 93 | 46 | | 80 | 52 | | 66 | 57 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | | | Av. of Max & Min | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month July Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|--|--------------|------|------|--------------|------|-------------------------------|-----------------|-------------|----------------------|-----------------------|-------------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel mph | | | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | |
| 1 | 70 | 48 | 59 | | | | | | | | | | | | 100 | 60 | 80 | |
| 2 | 70 | 45 | 58 | | | | | | | | | | | | 100 | 63 | 82 | |
| 3 | 77 | 46 | 62 | | | | | | | | | | | | 100 | 39 | 70 | |
| 4 | 76 | 50 | 63 | | | | | | | | | | | | 91 | 38 | 64 | |
| 5 | 83 | 49 | 66 | | | | | | | | | | | | 86 | 24 | 55 | |
| 6 | 80 | 53 | 66 | 80 | 56 | 68 | 65 | 60 | 62 | 533 | 4 | 0.95 | 0 | | 100 | 29 | 64 | |
| 7 | 92 | 57 | 74 | | | | | | | | | | | | 100 | 16 | 58 | |
| 8 | 79 | 52 | 66 | | | | | | | | | | | | 100 | 50 | 75 | |
| 9 | 80 | 48 | 64 | | | | | | | | | | | | 90 | 46 | 68 | |
| 10 | 88 | 55 | 72 | | | | | | | | | | | | 77 | 27 | 52 | |
| 11 | 90 | 62 | 76 | | | | | | | | | | | | 76 | 25 | 50 | |
| 12 | 74 | 55 | 64 | 83 | 60 | 72 | 67 | 63 | 65 | | | 0.00 | 0 | | 100 | 55 | 78 | |
| 13 | 83 | 54 | 68 | | | | | | | | | | | | 100 | 39 | 70 | |
| 14 | 88 | 58 | 73 | | | | | | | | | | | | 100 | 32 | 66 | |
| 15 | 91 | 59 | 75 | | | | | | | | | | | | 86 | 23 | 54 | |
| 16 | 80 | 56 | 68 | | | | | | | | | | | | 96 | 39 | 68 | |
| 17 | 78 | 51 | 64 | | | | | | | | | | | | 100 | 52 | 76 | |
| 18 | 76 | 48 | 62 | | | | | | | | | | | | 100 | 40 | 70 | |
| 19 | 80 | 51 | 66 | 80 | 58 | 69 | 66 | 62 | 64 | 1822 | 6 | 0.02 | 0 | | 100 | 32 | 66 | |
| 20 | 82 | 49 | 66 | | | | | | | | | | | | 77 | 30 | 54 | |
| 21 | 86 | 55 | 70 | | | | | | | | | | | | 60 | 23 | 42 | |
| 22 | 65 | 51 | 58 | | | | | | | | | | | | 100 | 55 | 78 | |
| 23 | 84 | 52 | 68 | | | | | | | | | | | | 74 | 21 | 48 | |
| 24 | 88 | 58 | 73 | | | | | | | | | | | | 44 | 19 | 32 | |
| 25 | 87 | 62 | 74 | | | | | | | | | | | | 38 | 21 | 30 | |
| 26 | 85 | 53 | 69 | 84 | 54 | 69 | 67 | 62 | 64 | 990 | 6 | 0.52 | 0 | | 100 | 26 | 63 | |
| 27 | 85 | 53 | 69 | | | | | | | | | | | | 100 | 23 | 62 | |
| 28 | 83 | 53 | 68 | | | | | | | | | | | | 80 | 32 | 56 | |
| 29 | 81 | 50 | 66 | | | | | | | | | | | | 100 | 44 | 72 | |
| 30 | 73 | 52 | 62 | | | | | | | | | | | | 100 | 59 | 80 | |
| 31 | | | | 76 | 61 | 68 | 67 | 61 | 64 | 554 | 5 | 3.46 | 0 | 24 | 14 | | | |
| Month | 92 | 45 | 67 | 84 | 54 | 69 | 67 | 60 | 64 | 3899 | 5 | 4.95 | | | 100 | 16 | 63 | |
| Month Mean | 81 | 53 | 67 | 81 | 58 | 66 | 66 | 61 | 64 | | | | | | 89 | 36 | 66 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month August Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|--|--------------|------|------|--------------|------|-------------------------------|-----------------|-------------|----------------------|-----------------------|-------------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel mph | | | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | |
| 1 | N-D | N-D | N-D | | | | | | | | | | | | 100 | 100 | 100 | |
| 2 | 75 | 49 | 62 | | | | | | | | | | | | 100 | 100 | 100 | |
| 3 | 77 | 52 | 64 | | | | | | | | | | | | 100 | 37 | 68 | |
| 4 | 85 | 54 | 70 | | | | | | | | | | | | 60 | 16 | 38 | |
| 5 | 84 | 55 | 70 | | | | | | | | | | | | 37 | 18 | 28 | |
| 6 | 85 | 57 | 71 | | | | | | | | | | | | 79 | 20 | 50 | |
| 7 | 82 | 58 | 70 | 75 | 54 | 64 | 64 | 60 | 62 | 1014 | 6 | 0.92 | 0 | | 67 | 20 | 44 | |
| 8 | 75 | 55 | 65 | | | | | | | | | | | | 100 | 30 | 65 | |
| 9 | 80 | 51 | 66 | | | | | | | | | | | | 100 | 36 | 68 | |
| 10 | 68 | 52 | 60 | | | | | | | | | | | | 100 | 36 | 68 | |
| 11 | 78 | 55 | 66 | | | | | | | | | | | | 100 | 49 | 74 | |
| 12 | 85 | 59 | 72 | | | | | | | | | | | | 65 | 22 | 44 | |
| 13 | 85 | 55 | 70 | | | | | | | | | | | | 60 | 28 | 44 | |
| 14 | 88 | 59 | 74 | 81 | 51 | 66 | 66 | 62 | 64 | 876 | 5 | 0.08 | 0 | | 52 | 20 | 36 | |
| 15 | 85 | 55 | 70 | | | | | | | | | | | | 100 | 36 | 68 | |
| 16 | 80 | 51 | 66 | | | | | | | | | | | | 100 | 50 | 75 | |
| 17 | 70 | 49 | 60 | | | | | | | | | | | | 100 | 64 | 82 | |
| 18 | 65 | 47 | 56 | | | | | | | | | | | | 100 | 66 | 83 | |
| 19 | 55 | 46 | 50 | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 62 | 47 | 54 | | | | | | | | | | | | | | | |
| 21 | 80 | 46 | 63 | | | | | | | | | | | | | | | |
| 22 | 79 | 59 | 69 | 80 | 50 | 65 | 68 | 58 | 63 | 947 | 5 | 1.25 | 0 | | 100 | 22 | 61 | |
| 23 | 85 | 56 | 70 | | | | | | | | | | | | 52 | 20 | 36 | |
| 24 | 80 | 55 | 68 | | | | | | | | | | | | 59 | 35 | 47 | |
| 25 | 82 | 57 | 70 | | | | | | | | | | | | 52 | 30 | 41 | |
| 26 | 78 | 57 | 68 | | | | | | | | | | | | 58 | 35 | 46 | |
| 27 | 84 | 57 | 70 | | | | | | | | | | | | 50 | 17 | 34 | |
| 28 | 81 | 51 | 66 | | | | | | | 1073 | 7 | 0.00 | 0 | | 82 | 22 | 52 | |
| 29 | 80 | 51 | 66 | | | | | | | | | | | | 82 | 28 | 55 | |
| 30 | 76 | 40 | 58 | | | | | | | | | | | | 100 | 28 | 64 | |
| 31 | 64 | 37 | 50 | 77 | 54 | 65 | 64 | 60 | 62 | 474 | 7 | 0.15 | 0 | 10 | 8 | 100 | 42 | 71 |
| Month | 88 | 37 | 65 | 81 | 50 | 65 | 68 | 58 | 63 | 4384 | 5 | 2.35 | | | 100 | 16 | 60 | |
| Month Mean | 78 | 52 | 65 | 78 | 52 | 65 | 65 | 60 | 63 | | | | | | 81 | 39 | 66 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-----------------------|------------------|------|-------------------|------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max. | Min. | Mean | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 83 | 46 | 64 | | | | | | | | | | | | | | | | | |
| 2 | 87 | 60 | 74 | | | | | | | | | | | | | | | | | |
| 3 | 63 | 41 | 52 | | | | | | | | | | | | | | | | | |
| 4 | 67 | 39 | 53 | | | | | | | | | | | | | | | | | |
| 5 | 48 | 39 | 44 | | | | | | | | | | | | | | | | | |
| 6 | 70 | 34 | 52 | | | | | | | | | | | | | | | | | |
| 7 | 79 | 47 | 63 | | | | | | | | | | | | | | | | | |
| 8 | 77 | 53 | 65 | 70 | 50 | 59 | 63 | 56 | 60 | 875 | 5 | T | 0 | | | | | | | |
| 9 | 83 | 57 | 70 | | | | | | | | | | | | | | | | | |
| 10 | 90 | 57 | 74 | | | | | | | | | | | | | | | | | |
| 11 | 85 | 55 | 70 | | | | | | | | | | | | | | | | | |
| 12 | 90 | 59 | 74 | | | | | | | | | | | | | | | | | |
| 13 | 86 | 59 | 72 | | | | | | | | | | | | | | | | | |
| 14 | 87 | 48 | 68 | | | | | | | | | | | | | | | | | |
| 15 | 88 | 52 | 70 | 75 | 54 | 64 | 64 | 58 | 61 | 1118 | 7 | 0.00 | 0 | | | | | | | |
| 16 | 80 | 50 | 65 | | | | | | | | | | | | | | | | | |
| 17 | 77 | 43 | 60 | | | | | | | | | | | | | | | | | |
| 18 | 82 | 53 | 68 | | | | | | | | | | | | | | | | | |
| 19 | 83 | 48 | 66 | | | | | | | | | | | | | | | | | |
| 20 | 89 | 57 | 73 | | | | | | | | | | | | | | | | | |
| 21 | 74 | 46 | 60 | | | | | | | | | | | | | | | | | |
| 22 | 61 | 43 | 52 | 74 | 52 | 63 | 63 | 59 | 61 | 943 | 6 | 0.00 | 0 | | | | | | | |
| 23 | 73 | 40 | 56 | | | | | | | | | | | | | | | | | |
| 24 | 83 | 50 | 66 | | | | | | | | | | | | | | | | | |
| 25 | 82 | 51 | 66 | | | | | | | | | | | | | | | | | |
| 26 | 83 | 52 | 68 | | | | | | | | | | | | | | | | | |
| 27 | 86 | 57 | 72 | | | | | | | | | | | | | | | | | |
| 28 | 80 | 54 | 67 | | | | | | | | | | | | | | | | | |
| 29 | 71 | 42 | 56 | | | | | | | | | | | | | | | | | |
| 30 | 82 | 46 | 64 | 71 | 48 | 60 | 61 | 57 | 59 | 1250 | 7 | 0.00 | 0 | 3 | 4 | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 90 | 34 | 64 | 75 | 48 | 62 | 64 | 56 | 60 | 4186 | 6 | T | | | | | | | | |
| Month Mean | 79 | 50 | | 72 | 51 | | 63 | 58 | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-----------------------|------------------|------|-------------------|------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" 11-13" | Max. | Min. | Mean | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 77 | 53 | 65 | | | | | | | | | | | | | | | | | |
| 2 | 79 | 50 | 64 | | | | | | | | | | | | | | | | | |
| 3 | 75 | 47 | 61 | | | | | | | | | | | | | | | | | |
| 4 | 76 | 45 | 60 | | | | | | | | | | | | | | | | | |
| 5 | 75 | 55 | 65 | | | | | | | | | | | | | | | | | |
| 6 | 72 | 39 | 56 | | | | | | | | | | | | | | | | | |
| 7 | 87 | 46 | 66 | 68 | 49 | 58 | 60 | 56 | 58 | 1040 | 6 | 0.00 | 0 | | | | | | | |
| 8 | 69 | 40 | 54 | | | | | | | | | | | | | | | | | |
| 9 | 59 | 39 | 49 | | | | | | | | | | | | | | | | | |
| 10 | 77 | 50 | 64 | | | | | | | | | | | | | | | | | |
| 11 | 79 | 51 | 65 | | | | | | | | | | | | | | | | | |
| 12 | 77 | 44 | 60 | | | | | | | | | | | | | | | | | |
| 13 | 62 | 40 | 51 | | | | | | | | | | | | | | | | | |
| 14 | 67 | 36 | 52 | 64 | 44 | 54 | 58 | 52 | 55 | 1140 | 7 | 0.00 | 0 | | | | | | | |
| 15 | 71 | 41 | 56 | | | | | | | | | | | | | | | | | |
| 16 | 75 | 45 | 60 | | | | | | | | | | | | | | | | | |
| 17 | 73 | 44 | 58 | | | | | | | | | | | | | | | | | |
| 18 | 69 | 43 | 56 | | | | | | | | | | | | | | | | | |
| 19 | 60 | 33 | 46 | | | | | | | | | | | | | | | | | |
| 20 | 66 | 33 | 50 | | | | | | | | | | | | | | | | | |
| 21 | 76 | 47 | 62 | | | | | | | | | | | | | | | | | |
| 22 | 58 | 35 | 46 | | | | | | | | | | | | | | | | | |
| 23 | 65 | 35 | 50 | 60 | 42 | 50 | 55 | 49 | 52 | 1263 | 6 | 0.00 | 0 | | | | | | | |
| 24 | 55 | 32 | 44 | | | | | | | | | | | | | | | | | |
| 25 | 46 | 27 | 36 | | | | | | | | | | | | | | | | | |
| 26 | 64 | 38 | 51 | | | | | | | | | | | | | | | | | |
| 27 | 71 | 43 | 57 | | | | | | | | | | | | | | | | | |
| 28 | 64 | 35 | 50 | | | | | | | | | | | | | | | | | |
| 29 | 38 | 29 | 34 | | | | | | | | | | | | | | | | | |
| 30 | 52 | 27 | 40 | | | | | | | | | | | | | | | | | |
| 31 | 61 | 35 | 48 | 53 | 36 | 44 | 52 | 44 | 48 | 1241 | 7 | 0.15 | T | N-D | N-D | | | | | |
| Month | 87 | 27 | 54 | 68 | 36 | 51 | 60 | 44 | 53 | 4684 | 6 | 0.15 | | | | | | | | |
| Month Mean | 68 | 41 | | 61 | 43 | | 56 | 50 | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage:
 at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month November Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" (11-13") | | | Relative Humidity | | | |
|------------|------------------------------|------------------|--|---------------|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|---------------------------------------|------------------|------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 36 | 21 | 28 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 2 | 29 | 20 | 24 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 3 | 34 | 15 | 24 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 4 | 32 | 12 | 22 | | | | | | | | | | | | | | | 100 | 64 | 82 |
| 5 | 41 | 19 | 30 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 6 | 56 | 28 | 42 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 7 | 39 | 21 | 30 | | | | | | | | | | | | | | | 100 | 82 | 91 |
| 8 | 50 | 20 | 35 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 9 | 58 | 38 | 48 | 44 | 34 | 40 | 45 | 40 | 43 | 1058 | 5 | 0.80 | 2 | | | | 62 | 32 | 47 | |
| 10 | 64 | 43 | 54 | | | | | | | | | | | | | | 40 | 16 | 28 | |
| 11 | 64 | 38 | 51 | | | | | | | | | | | | | | 69 | 23 | 46 | |
| 12 | 63 | 35 | 49 | | | | | | | | | | | | | | 63 | 16 | 40 | |
| 13 | 65 | 38 | 52 | | | | | | | | | | | | | | 30 | 14 | 22 | |
| 14 | 42 | 11 | 26 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 15 | 30 | 06 | 18 | 44 | 34 | 39 | 43 | 39 | 41 | 1233 | 9 | 0.25 | 3 | | | | 94 | 27 | 60 | |
| 16 | 41 | 20 | 30 | | | | | | | | | | | | | | 56 | 24 | 40 | |
| 17 | 52 | 25 | 38 | | | | | | | | | | | | | | 92 | 34 | 63 | |
| 18 | 45 | 24 | 34 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 19 | 24 | 07 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 32 | -01 | 16 | | | | | | | | | | | | | | 100 | 49 | 74 | |
| 21 | 46 | 19 | 32 | | | | | | | | | | | | | | 69 | 31 | 50 | |
| 22 | 55 | 30 | 42 | | | | | | | | | | | | | | 67 | 30 | 48 | |
| 23 | 45 | 27 | 36 | 35 | 33 | 34 | 40 | 37 | 38 | 1496 | 8 | 0.55 | 4 | | | | 100 | 44 | 72 | |
| 24 | 65 | 32 | 48 | | | | | | | | | | | | | | 50 | 15 | 32 | |
| 25 | 52 | 31 | 42 | | | | | | | | | | | | | | 75 | 32 | 54 | |
| 26 | 60 | 35 | 48 | | | | | | | | | | | | | | 60 | 20 | 40 | |
| 27 | 48 | 24 | 36 | | | | | | | | | | | | | | 100 | 23 | 62 | |
| 28 | 36 | 22 | 29 | | | | | | | | | | | | | | 100 | 59 | 80 | |
| 29 | 57 | 30 | 44 | | | | | | | | | | | | | | 70 | 30 | 50 | |
| 30 | 60 | 37 | 48 | 36 | 33 | 34 | 38 | 35 | 36 | 1106 | 6 | 0.05 | 3 | 9 | 14 | | 38 | 20 | 29 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 65 | -01 | 36 | 44 | 33 | 37 | 46 | 35 | 40 | 4893 | 7 | 1.65 | | | | | 100 | 14 | 59 | |
| Month Mean | 47 | 24 | 36 | 40 | 34 | 37 | 42 | 38 | 37 | | | | | | | | 81 | 37 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month December Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" (11-13") | | | Relative Humidity | | | |
|------------|------------------------------|------------------|--|---------------|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|---------------------------------------|------------------|------|-------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 53 | 32 | 42 | | | | | | | | | | | | | | | 67 | 35 | 51 |
| 2 | 59 | 32 | 46 | | | | | | | | | | | | | | | 63 | 32 | 48 |
| 3 | 58 | 34 | 46 | | | | | | | | | | | | | | | 42 | 25 | 34 |
| 4 | 59 | 35 | 47 | | | | | | | | | | | | | | | 64 | 42 | 53 |
| 5 | 49 | 21 | 35 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 6 | 22 | 13 | 18 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 7 | 24 | 15 | 20 | 34 | 30 | 32 | 36 | 34 | 35 | 762 | 5 | 0.00 | 3 | | | | 100 | 100 | 100 | |
| 8 | 26 | 11 | 18 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 9 | 52 | 18 | 35 | | | | | | | | | | | | | | 61 | 23 | 42 | |
| 10 | 49 | 33 | 41 | | | | | | | | | | | | | | 58 | 20 | 39 | |
| 11 | 43 | 31 | 37 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 12 | 44 | 25 | 34 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 13 | 46 | 29 | 38 | | | | | | | | | | | | | | 66 | 42 | 54 | |
| 14 | 37 | 21 | 29 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 15 | 44 | 24 | 34 | 32 | 30 | 31 | 35 | 34 | 34 | 1400 | 7 | 0.35 | 5 | | | | 58 | 24 | 41 | |
| 16 | 48 | 30 | 39 | | | | | | | | | | | | | | 92 | 25 | 58 | |
| 17 | 44 | 23 | 34 | | | | | | | | | | | | | | 100 | 19 | 60 | |
| 18 | 52 | 31 | 42 | | | | | | | | | | | | | | 22 | 12 | 17 | |
| 19 | 39 | 22 | 30 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 20 | 41 | 18 | 30 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 21 | 49 | 25 | 39 | | | | | | | | | | | | | | 78 | 38 | 58 | |
| 22 | 32 | 09 | 20 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 23 | 29 | 10 | 20 | 32 | 29 | 30 | 34 | 32 | 33 | 1075 | 6 | 0.30 | 9 | | | | 100 | 40 | 70 | |
| 24 | 44 | 18 | 31 | | | | | | | | | | | | | | 52 | 22 | 37 | |
| 25 | 47 | 22 | 34 | | | | | | | | | | | | | | 58 | 29 | 44 | |
| 26 | 54 | 31 | 42 | | | | | | | | | | | | | | 49 | 19 | 34 | |
| 27 | 51 | 34 | 42 | | | | | | | | | | | | | | 34 | 25 | 30 | |
| 28 | 52 | 34 | 43 | | | | | | | | | | | | | | 46 | 28 | 37 | |
| 29 | 59 | 37 | 48 | | | | | | | | | | | | | | 46 | 23 | 34 | |
| 30 | 56 | 40 | 48 | | | | | | | | | | | | | | 34 | 22 | 28 | |
| 31 | 55 | 27 | 41 | 32 | 30 | 30 | 33 | 30 | 32 | 1964 | 10 | 0.05 | 4 | 5 | 7 | | 40 | 25 | 32 | |
| Month | 59 | 09 | 36 | 34 | 29 | 31 | 36 | 30 | 34 | 5201 | 7 | 0.70 | | | | | 100 | 12 | 54 | |
| Month Mean | 46 | 26 | 36 | 32 | 30 | 31 | 35 | 33 | 33 | | | | | | | | 72 | 36 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month January Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|--|---------------|----|----|--------------|----|-------------------------------|-------------|-----------------|----------------------|-----------------------|-------------------------|------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 7-11" | 11-13" | Max. | Min. | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 59 | 18 | 38 | 31 | 22 | 26 | 34 | 27 | 30 | 1582 | 9 | 0.10 | T | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | 52 | 18 | 35 | 29 | 23 | 26 | 36 | 26 | 31 | 893 | 5 | 0.00 | T | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | 36 | 11 | 24 | 30 | 20 | 25 | 31 | 24 | 28 | 518 | 3 | 0.20 | T | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 43 | 03 | 23 | 28 | 19 | 24 | 30 | 22 | 26 | 1626 | 7 | 0.55 | 7 | 5 | 12 | | | | |
| Month | 59 | 03 | 30 | 31 | 19 | 25 | 36 | 22 | 29 | 4619 | 6 | 0.85 | | | | | | | |
| Month Mean | 48 | 13 | | 30 | 21 | | 33 | 25 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month February Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|--|---------------|----|----|--------------|----|-------------------------------|-------------|-----------------|----------------------|-----------------------|-------------------------|------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 7-11" | 11-13" | Max. | Min. | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 46 | -14 | 16 | 27 | 21 | 24 | 29 | 23 | 26 | 420 | 3 | 0.15 | 10 | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | 38 | 04 | 21 | | | | | | | 552 | 6 | 0.50 | 15 | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | 41 | 03 | 22 | 29 | 24 | 26 | 30 | 24 | 27 | 1581 | 11 | 0.00 | 10 | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | 54 | 06 | 30 | 30 | 25 | 28 | 31 | 27 | 29 | 3117 | 11 | 0.50 | 6 | 10 | 6 | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 54 | -14 | 22 | 30 | 21 | 26 | 31 | 23 | 27 | 5670 | 8 | 1.15 | | | | | | | |
| Month Mean | 44 | 00 | | 29 | 23 | | 30 | 25 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|-----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | 72 | 30 | 51 | 52 | 38 | 45 | 48 | 38 | 43 | 731 | 7 | 0.20 | 0 | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | 72 | 31 | 52 | 55 | 42 | 48 | 50 | 43 | 46 | 1188 | 7 | 0.00 | 0 | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | 73 | 24 | 49 | N-D | 39 | N-D | 60 | 39 | 50 | 790 | 4 | 0.90 | 0 | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | 71 | 38 | 54 | 58 | 46 | 52 | 54 | 46 | 50 | 769 | 4 | 2.25 | 0 | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 69 | 38 | 54 | 62 | 45 | 54 | 58 | 46 | 52 | 371 | 3 | 0.15 | 0 | 10 | 10 | | | | |
| Month | 73 | 24 | 52 | 62 | 38 | 49 | 60 | 38 | 48 | 3849 | 5 | 3.50 | | | | | | | |
| Month Mean | 71 | 32 | | 57 | 42 | | 54 | 42 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|--|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | |
| 13 | 86 | 40 | 63 | 69 | 51 | 60 | 66 | 52 | 59 | 1800 | 6 | 0.25 | 0 | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | 984 | 5 | 0.55 | 0 | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | 85 | 38 | 62 | 73 | 54 | 64 | 69 | 55 | 62 | 1026 | 6 | | 0 | 6 | 6 | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 86 | 38 | 62 | 73 | 51 | 62 | 69 | 52 | 61 | 3810 | 5 | 0.85 | | | | | | | | |
| Month Mean | 86 | 39 | | 71 | 52 | | 68 | 54 | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month July Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 68 | 46 | 57 | | | | | | | | | | | | | | 100 | 43 | 72 | |
| 2 | 69 | 43 | 56 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 3 | 73 | 43 | 58 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 4 | 74 | 46 | 60 | | | | | | | | | | | | | | 93 | 36 | 64 | |
| 5 | 78 | 45 | 62 | | | | | | | | | | | | | | 100 | 19 | 60 | |
| 6 | 83 | 50 | 66 | 73 | 53 | 63 | 68 | 56 | 62 | 569 | 4 | 0.75 | 0 | | | | 100 | 18 | 59 | |
| 7 | 84 | 52 | 68 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 8 | 72 | 46 | 59 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 9 | 76 | 42 | 59 | | | | | | | | | | | | | | 80 | 37 | 58 | |
| 10 | 84 | 50 | 67 | | | | | | | | | | | | | | 80 | 21 | 50 | |
| 11 | 82 | 54 | 68 | | | | | | | | | | | | | | 90 | 27 | 58 | |
| 12 | 69 | 50 | 60 | 74 | 62 | 68 | 70 | 61 | 65 | 646 | 5 | 0.00 | 0 | | | | 89 | 52 | 70 | |
| 13 | 79 | 51 | 65 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 14 | 86 | 54 | 70 | | | | | | | | | | | | | | 87 | 28 | 58 | |
| 15 | 82 | 54 | 68 | | | | | | | | | | | | | | 74 | 24 | 49 | |
| 16 | 75 | 54 | 64 | | | | | | | | | | | | | | 84 | 34 | 59 | |
| 17 | 71 | 45 | 58 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 18 | 69 | 44 | 56 | | | | | | | | | | | | | | 100 | 37 | 68 | |
| 19 | 73 | 44 | 58 | 72 | 58 | 65 | 68 | 59 | 64 | 873 | 5 | 0.05 | 0 | | | | 98 | 32 | 65 | |
| 20 | 76 | 45 | 60 | | | | | | | | | | | | | | 71 | 30 | 50 | |
| 21 | 80 | 49 | 64 | | | | | | | | | | | | | | 61 | 22 | 42 | |
| 22 | 59 | 46 | 52 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 23 | 78 | 47 | 62 | | | | | | | | | | | | | | 64 | 24 | 44 | |
| 24 | 81 | 55 | 68 | | | | | | | | | | | | | | 38 | 22 | 30 | |
| 25 | 81 | 56 | 68 | | | | | | | | | | | | | | 37 | 24 | 30 | |
| 26 | 81 | 55 | 68 | 74 | 56 | 65 | 68 | 57 | 63 | 683 | 4 | 0.28 | 0 | | | | 44 | 28 | 36 | |
| 27 | 80 | 51 | 66 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 28 | 81 | 54 | 68 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 29 | 76 | 47 | 62 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 30 | 66 | 47 | 56 | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 31 | 56 | 46 | 51 | 70 | 56 | 63 | 66 | 58 | 62 | 418 | 4 | 2.37 | 0 | | | 17 | 19 | 100 | 100 | 100 |
| Month | 86 | 42 | 62 | 74 | 53 | 65 | 70 | 56 | 63 | 3169 | 4 | 3.45 | 0 | | | | 100 | 18 | 62 | |
| Month Mean | 76 | 49 | 62 | 73 | 57 | 65 | 68 | 58 | 62 | | | | | | | | 87 | 36 | 62 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month August Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 59 | 46 | 52 | | | | | | | | | | | | | | 100 | 82 | 91 | |
| 2 | 69 | 47 | 58 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 3 | 72 | 50 | 61 | | | | | | | | | | | | | | 70 | 23 | 46 | |
| 4 | 76 | 49 | 62 | | | | | | | | | | | | | | 55 | 20 | 38 | |
| 5 | 79 | 49 | 64 | | | | | | | | | | | | | | 35 | 21 | 28 | |
| 6 | 77 | 52 | 64 | | | | | | | | | | | | | | 92 | 25 | 58 | |
| 7 | 76 | 53 | 64 | 66 | 54 | 60 | 63 | 56 | 60 | 750 | 4 | 0.43 | 0 | | | | 56 | 25 | 40 | |
| 8 | 70 | 47 | 58 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 9 | 78 | 46 | 62 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 10 | 66 | 49 | 58 | | | | | | | | | | | | | | 100 | 24 | 62 | |
| 11 | 73 | 48 | 60 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 12 | 77 | 52 | 64 | | | | | | | | | | | | | | 91 | 28 | 60 | |
| 13 | 80 | 51 | 66 | | | | | | | | | | | | | | 60 | 29 | 44 | |
| 14 | 82 | 57 | 70 | 70 | 54 | 62 | 66 | 56 | 61 | 784 | 5 | 0.19 | 0 | | | | 52 | 24 | 38 | |
| 15 | 77 | 49 | 63 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 16 | 71 | 46 | 58 | | | | | | | | | | | | | | 100 | 51 | 76 | |
| 17 | 63 | 44 | 54 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 18 | 59 | 42 | 50 | | | | | | | | | | | | | | 100 | 57 | 78 | |
| 19 | 52 | 39 | 46 | | | | | | | | | | | | | | 100 | 97 | 98 | |
| 20 | 55 | 39 | 47 | | | | | | | | | | | | | | 100 | 84 | 92 | |
| 21 | 73 | 43 | 58 | | | | | | | | | | | | | | 100 | 27 | 64 | |
| 22 | 72 | 52 | 62 | 72 | 50 | 61 | 62 | 53 | 58 | 834 | 4 | 1.78 | 0 | | | | 46 | 30 | 38 | |
| 23 | 76 | 53 | 64 | | | | | | | | | | | | | | 51 | 25 | 38 | |
| 24 | 77 | 49 | 63 | | | | | | | | | | | | | | 64 | 31 | 48 | |
| 25 | 74 | 52 | 63 | | | | | | | | | | | | | | 50 | 30 | 40 | |
| 26 | 74 | 51 | 62 | | | | | | | | | | | | | | 60 | 37 | 48 | |
| 27 | 76 | 50 | 63 | | | | | | | | | | | | | | 49 | 22 | 36 | |
| 28 | 75 | 46 | 60 | | | | | | | 863 | 6 | 0.00 | 0 | | | | 79 | 26 | 52 | |
| 29 | 74 | 45 | 60 | | | | | | | | | | | | | | 78 | 29 | 54 | |
| 30 | 68 | 35 | 51 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 31 | 59 | 31 | 45 | 67 | 52 | 60 | 64 | 55 | 60 | 529 | 8 | 0.15 | 0 | | | 11 | 11 | 100 | 36 | 68 |
| Month | 82 | 31 | 59 | 72 | 50 | 61 | 66 | 53 | 59 | 3760 | 5 | 2.55 | 0 | | | | 100 | 20 | 59 | |
| Month Mean | 71 | 47 | 62 | 69 | 53 | 62 | 64 | 55 | 62 | | | | | | | | 80 | 38 | 62 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month September Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 75 | 42 | 58 | | | | | | | | | | | | | | | 40 | 17 | 28 |
| 2 | 80 | 52 | 66 | | | | | | | | | | | | | | | 39 | 16 | 28 |
| 3 | 59 | 36 | 48 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 4 | 76 | 34 | 55 | | | | | | | | | | | | | | | 100 | 14 | 57 |
| 5 | 45 | 36 | 40 | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 6 | 66 | 30 | 48 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 7 | 74 | 42 | 58 | | | | | | | | | | | | | | | 92 | 20 | 56 |
| 8 | 76 | 47 | 62 | 68 | 50 | 59 | 65 | 52 | 59 | 813 | 4 | T | 0 | | | | 60 | 28 | 44 | |
| 9 | 76 | 51 | 64 | | | | | | | | | | | | | | | 61 | 32 | 46 |
| 10 | 83 | 53 | 68 | | | | | | | | | | | | | | | 62 | 26 | 44 |
| 11 | 81 | 52 | 66 | | | | | | | | | | | | | | | 65 | 34 | 50 |
| 12 | 83 | 52 | 68 | | | | | | | | | | | | | | | 54 | 21 | 38 |
| 13 | 79 | 51 | 65 | | | | | | | | | | | | | | | 54 | 27 | 40 |
| 14 | 79 | 51 | 65 | | | | | | | | | | | | | | | 56 | 24 | 40 |
| 15 | 80 | 50 | 65 | 68 | 56 | 62 | 64 | 58 | 61 | 1034 | 6 | 0.00 | 0 | | | | 34 | 17 | 26 | |
| 16 | 74 | 44 | 59 | | | | | | | | | | | | | | | 70 | 22 | 46 |
| 17 | 77 | 37 | 57 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 18 | 76 | 47 | 62 | | | | | | | | | | | | | | | 48 | 24 | 36 |
| 19 | 78 | 45 | 62 | | | | | | | | | | | | | | | 50 | 21 | 36 |
| 20 | 84 | 51 | 68 | | | | | | | | | | | | | | | 38 | 21 | 30 |
| 21 | 67 | 41 | 54 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 22 | 52 | 38 | 45 | 66 | 54 | 60 | 63 | 55 | 59 | 744 | 4 | 0.01 | 0 | | | | 100 | 77 | 88 | |
| 23 | 67 | 35 | 51 | | | | | | | | | | | | | | | 100 | 23 | 62 |
| 24 | 77 | 44 | 60 | | | | | | | | | | | | | | | 26 | 11 | 18 |
| 25 | 76 | 47 | 62 | | | | | | | | | | | | | | | 26 | 12 | 19 |
| 26 | 79 | 46 | 62 | | | | | | | | | | | | | | | 27 | 13 | 20 |
| 27 | 78 | 52 | 65 | | | | | | | | | | | | | | | 75 | 15 | 20 |
| 28 | 72 | 46 | 59 | | | | | | | | | | | | | | | 22 | 25 | 48 |
| 29 | 66 | 35 | 50 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 30 | 74 | 44 | 59 | 60 | 49 | 54 | 62 | 52 | 57 | 1074 | 6 | 0.00 | 0 | | | | 77 | 25 | 51 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 84 | 30 | 59 | 68 | 49 | 59 | 65 | 52 | 59 | 3665 | 5 | 0.01 | | | | | 100 | 11 | 46 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month October Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 68 | 44 | 56 | | | | | | | | | | | | | | | 70 | 28 | 49 |
| 2 | 72 | 42 | 57 | | | | | | | | | | | | | | | 59 | 27 | 43 |
| 3 | 71 | 42 | 56 | | | | | | | | | | | | | | | 49 | 32 | 40 |
| 4 | 71 | 40 | 56 | | | | | | | | | | | | | | | 60 | 30 | 45 |
| 5 | 69 | 49 | 59 | | | | | | | | | | | | | | | 60 | 38 | 49 |
| 6 | 71 | 34 | 52 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 7 | 77 | 43 | 60 | 57 | 48 | 52 | 56 | 50 | 53 | 960 | 6 | 0.00 | 0 | | | | 70 | 28 | 49 | |
| 8 | 62 | 33 | 48 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 9 | 61 | 33 | 47 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 10 | 70 | 41 | 56 | | | | | | | | | | | | | | | 50 | 22 | 36 |
| 11 | 72 | 44 | 58 | | | | | | | | | | | | | | | 38 | 22 | 30 |
| 12 | 68 | 36 | 52 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 13 | 60 | 33 | 46 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 14 | 62 | 32 | 47 | 48 | 43 | 46 | 54 | 46 | 50 | 1017 | 6 | 0.00 | 0 | | | | 58 | 25 | 42 | |
| 15 | 66 | 34 | 50 | | | | | | | | | | | | | | | 54 | 26 | 40 |
| 16 | 71 | 40 | 56 | | | | | | | | | | | | | | | 39 | 18 | 28 |
| 17 | 67 | 40 | 54 | | | | | | | | | | | | | | | 71 | 23 | 47 |
| 18 | 63 | 38 | 50 | | | | | | | | | | | | | | | 80 | 39 | 60 |
| 19 | 53 | 29 | 41 | | | | | | | | | | | | | | | 71 | 40 | 56 |
| 20 | 64 | 28 | 46 | | | | | | | | | | | | | | | 53 | 26 | 40 |
| 21 | 71 | 41 | 56 | | | | | | | | | | | | | | | 42 | 18 | 30 |
| 22 | 53 | 32 | 42 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 23 | 68 | 37 | 52 | 48 | 38 | 43 | 48 | 42 | 45 | 1145 | 5 | 0.00 | 0 | | | | 62 | 30 | 46 | |
| 24 | 46 | 27 | 36 | | | | | | | | | | | | | | | 100 | 61 | 80 |
| 25 | 41 | 22 | 32 | | | | | | | | | | | | | | | 78 | 30 | 54 |
| 26 | 58 | 33 | 46 | | | | | | | | | | | | | | | 50 | 31 | 40 |
| 27 | 66 | 37 | 52 | | | | | | | | | | | | | | | 49 | N-D | N-D |
| 28 | 59 | 29 | 44 | | | | | | | | | | | | | | | 80 | 18 | 49 |
| 29 | 37 | 25 | 31 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 30 | 49 | 23 | 36 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 31 | 54 | 26 | 40 | 44 | 33 | 38 | 44 | 36 | 40 | 1461 | 8 | 0.20 | T | | | | 68 | 25 | 46 | |
| Month Mean | 77 | 22 | 49 | 57 | 33 | 45 | 56 | 36 | 47 | 4583 | 6 | 0.20 | | | | | 100 | 18 | 51 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 27 | 14 | 20 | | | | | | | | | | | | | | | | | |
| 2 | 19 | 13 | 16 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 9 | 54 | 05 | 30 | 38 | 32 | 35 | 38 | 36 | 37 | 1460 | 7 | 0.90 | 5 | | | | 100 | 34 | 67 | |
| 10 | 54 | 37 | 46 | | | | | | | | | | | | | | | 38 | 21 | 30 |
| 11 | 57 | 36 | 46 | | | | | | | | | | | | | | | 47 | 30 | 38 |
| 12 | 55 | 34 | 44 | | | | | | | | | | | | | | | 45 | 20 | 32 |
| 13 | 60 | 32 | 46 | | | | | | | | | | | | | | | 35 | 17 | 26 |
| 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 34 | 67 |
| 15 | 34 | 01 | 18 | 36 | 32 | 34 | 38 | 34 | 36 | 1421 | 10 | 0.10 | 3 | | | | | 77 | 20 | 48 |
| 16 | 31 | 19 | 25 | | | | | | | | | | | | | | | 62 | 26 | 44 |
| 17 | 45 | 25 | 35 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 18 | 36 | 19 | 28 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 19 | 18 | 01 | 10 | | | | | | | | | | | | | | | 100 | 91 | 96 |
| 20 | 22 | -05 | 08 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 21 | 36 | 15 | 26 | | | | | | | | | | | | | | | 62 | 34 | 48 |
| 22 | 46 | 25 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 66 | 29 | 48 |
| 23 | 38 | 22 | 30 | 33 | 30 | 32 | 34 | 30 | 32 | 1942 | 10 | 0.55 | 6 | | | | | 100 | 51 | 76 |
| 24 | 59 | 27 | 43 | | | | | | | | | | | | | | | | | |
| 25 | 49 | 25 | 37 | | | | | | | | | | | | | | | | | |
| 26 | 57 | 29 | 43 | | | | | | | | | | | | | | | ↓ | ↓ | ↓ |
| 27 | 44 | 19 | 32 | | | | | | | | | | | | | | | 93 | 20 | 56 |
| 28 | 33 | 16 | 24 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 29 | 52 | 23 | 38 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 66 | 32 | 49 |
| 30 | 57 | 31 | 44 | 33 | 28 | 30 | 34 | 30 | 32 | 599 | 4 | 0.05 | 6 | 3 | 4 | | | 36 | 21 | 28 |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 60 | -05 | 31 | 38 | 28 | 33 | 38 | 30 | 34 | 5422 | 8 | 1.60 | | | | | | 100 | 17 | 55 |
| Month Mean | 43 | 20 | × | 35 | 30 | × | 36 | 33 | × | × | × | × | × | × | × | × | × | 75 | 34 | × |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
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Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max | Min | Mean | Max | Min | Mean | |
| 1 | 52 | 28 | 40 | | | | | | | | | | | | | | | 63 | 34 | 48 |
| 2 | 58 | 31 | 44 | | | | | | | | | | | | | | | 54 | 23 | 38 |
| 3 | 57 | 31 | 44 | | | | | | | | | | | | | | | 43 | 21 | 32 |
| 4 | 53 | 29 | 41 | | | | | | | | | | | | | | | 75 | 44 | 60 |
| 5 | 42 | 27 | 34 | | | | | | | | | | | | | | | 80 | 56 | 68 |
| 6 | 41 | 16 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 43 | 72 |
| 7 | 21 | 09 | 15 | 30 | 28 | 29 | 34 | 30 | 32 | 828 | 5 | 0.00 | 4 | | | | | 100 | 90 | 95 |
| 8 | 20 | 04 | 12 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 9 | 48 | 14 | 31 | | | | | | | | | | | | | | | 40 | 22 | 31 |
| 10 | 40 | 28 | 34 | | | | | | | | | | | | | | | 74 | 26 | 50 |
| 11 | 36 | 25 | 30 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 12 | 42 | 24 | 33 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 13 | 39 | 25 | 32 | | | | | | | | | | | | | | | 74 | 49 | 62 |
| 14 | 32 | 14 | 23 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 50 | 75 |
| 15 | 43 | 16 | 30 | 30 | 28 | 30 | 32 | 30 | 31 | 1677 | 8 | 0.45 | 7 | | | | | 60 | 28 | 44 |
| 16 | 43 | 23 | 33 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 17 | 39 | 16 | 28 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 18 | 50 | 25 | 38 | | | | | | | | | | | | | | | ↓ | ↓ | ↓ |
| 19 | 33 | 14 | 24 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 20 | 39 | 13 | 26 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 21 | 47 | 22 | 34 | | | | | | | | | | | | | | | 77 | 35 | 56 |
| 22 | 26 | 03 | 14 | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 23 | 20 | 04 | 12 | 30 | 25 | 27 | 32 | 27 | 29 | 828 | 4 | 0.25 | 8 | | | | | 74 | 45 | 60 |
| 24 | 40 | 12 | 26 | | | | | | | | | | | | | | | 57 | 27 | 42 |
| 25 | 43 | 16 | 30 | | | | | | | | | | | | | | | 59 | 32 | 46 |
| 26 | 46 | 25 | 36 | | | | | | | | | | | | | | | 50 | 22 | 36 |
| 27 | 46 | 29 | 38 | | | | | | | | | | | | | | | 38 | 28 | 33 |
| 28 | 45 | 27 | 36 | | | | | | | | | | | | | | | 57 | 31 | 44 |
| 29 | 57 | 30 | 44 | | | | | | | | | | | | | | | 51 | 21 | 36 |
| 30 | 51 | 32 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 45 | 24 | 34 |
| 31 | 49 | 28 | 38 | 29 | 26 | 28 | 30 | 27 | 28 | 1749 | 9 | 0.10 | 8 | | | | | 48 | 28 | 38 |
| Month | 58 | 03 | 31 | 30 | 25 | 28 | 34 | 27 | 30 | 5082 | 7 | 0.80 | | | | | | 100 | 21 | 55 |
| Month Mean | 42 | 21 | × | 30 | 27 | × | 32 | 28 | × | × | × | × | × | × | × | × | × | 74 | 35 | × |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 4%
 ② Rim of gauge 40 inches above ground at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|--------------|----------------------|-------------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 43 | 11 | 27 | 32 | 28 | 30 | 32 | 28 | 30 | 35.39 | 21 | 0.95 | 20 | N-D | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | 46 | 12 | 29 | 32 | 27 | 30 | 33 | 29 | 31 | 15.54 | 9 | 0.00 | 22 | N-D | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | 31 | 05 | 18 | 30 | 25 | 28 | 31 | 27 | 29 | 1.682 | 9 | 0.20 | 26 | N-D | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | 30 | 02 | 16 | 28 | 20 | 24 | 29 | 26 | 28 | 21.24 | 10 | 1.30 | 34 | 10 | 14 | N-D | | | |
| Month | 46 | 02 | 22 | 32 | 20 | 28 | 33 | 26 | 30 | 88.99 | 12 | 2.45 | | | | | | | |
| Month Mean | 38 | 08 | | 30 | 25 | | 32 | 28 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|--------------|----------------------|-------------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | 24 | -20 | 02 | 27 | 20 | 24 | 29 | 24 | 26 | 2.97 | 3 | 0.00 | 33 | N-D | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | 36 | -01 | 18 | | | | | | | 14.47 | 8 | 0.50 | 41 | N-D | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | 28 | 06 | 17 | 27 | 21 | 24 | 28 | 25 | 26 | 21.48 | 13 | 0.70 | 41 | N-D | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | 38 | 02 | 20 | 30 | 18 | 24 | 29 | 22 | 26 | 35.82 | 13 | 0.50 | 42 | 13 | 6 | 7 | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 38 | -20 | 14 | 30 | 18 | 24 | 29 | 22 | 26 | 74.7 | 11 | 1.70 | | | | | | | |
| Month Mean | 32 | -03 | | 28 | 20 | | 29 | 24 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month March Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | | | | |
|------------|------------------------------|------------------|------|--|-----|-----|--------------|-----|-----|-------------------------------|-----------------|----------------------|--------------|----------------------|--------------------|------------------|-----|-------------------|------|--|--|--|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
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| 7 | | | | | | | | | | | | | | | | | | | | | | | |
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| 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |
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| 14 | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | |
| Month | 5.4 | -0.5 | 3.0 | 4.8 | 2.8 | 3.7 | 3.4 | 3.0 | 3.2 | 23.59 | 14 | 0.00 | 4.3 | N-D | 14 | 14 | | | | | | | |
| Month Mean | 5.4 | -1.6 | 2.2 | 4.8 | 2.0 | 2.9 | 3.4 | 2.3 | 2.8 | 101.20 | 14 | 0.50 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month April Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|-----|-----|--------------|-----|-----|-------------------------------|-----------------|----------------------|--------------|----------------------|--------------------|------------------|-----|-------------------|------|--|--|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | |
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| 20 | | | | | | | | | | | | | | | | | | | | | | |
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| 22 | | | | | | | | | | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | |
| Month | 5.4 | 0.7 | 3.0 | 4.8 | 3.1 | 3.8 | 3.7 | 2.9 | 3.3 | 59.92 | 8 | 2.90 | | | | | | | | | | |
| Month Mean | 4.9 | 1.1 | | 4.6 | 3.1 | | 3.5 | 3.0 | | | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month May Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|--------------|-------------|-------------------------|---------------------|-------------------|-----|-------------------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | 61 | 25 | 43 | 48 | 33 | 40 | 40 | 33 | 36 | 1109 | 10 | 0.00 | 42 | N-D | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | 59 | 25 | 42 | 55 | 36 | 46 | 44 | 37 | 40 | 1469 | 9 | 0.00 | 32 | N-D | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | 63 | 21 | 42 | 55 | 33 | 44 | 45 | 35 | 40 | 1083 | 6 | 0.90 | 28 | N-D | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | 61 | 33 | 47 | 54 | 40 | 47 | 46 | 42 | 44 | 811 | 5 | | 12 | N-D | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | 61 | 28 | 44 | 60 | 39 | 50 | 49 | 41 | 45 | 440 | 4 | 2.50 | 3 | N-D | 16 | 19 | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 63 | 21 | 44 | 60 | 33 | 45 | 49 | 33 | 41 | 4912 | 7 | 3.40 | | | | | | | |
| Month Mean | 61 | 26 | | 54 | 36 | | 45 | 38 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | | | Avg. of Max & Min |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month June Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|-----|------|--|----|----|--------------|----|----|-------------------------------|---------------|----------------------|--------------|-------------|-------------------------|---------------------|-------------------|-----|-------------------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| 1 | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | |
| 15 | 73 | 29 | 51 | 73 | 46 | 60 | 60 | 48 | 54 | 1974 | 5 | 0.15 | 0 | N-D | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | 1121 | 6 | 0.31 | 0 | N-D | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | 72 | 30 | 51 | 73 | 49 | 61 | 62 | 54 | 58 | 1187 | 6 | 0.02 | 0 | N-D | 9 | 14 | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 73 | 29 | 51 | 73 | 46 | 60 | 62 | 48 | 56 | 4282 | 6 | 0.48 | | | | | | | |
| Month Mean | 72 | 30 | | 73 | 48 | | 61 | 51 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | | | Avg. of Max & Min |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 58 | 37 | 48 | | | | | | | | | | | | | 100 | 45 | 72 | |
| 2 | 58 | 31 | 44 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 3 | 64 | 33 | 48 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 4 | 62 | 34 | 48 | | | | | | | | | | | | | 100 | 25 | 62 | |
| 5 | 67 | 31 | 49 | | | | | | | | | | | | | 100 | 22 | 61 | |
| 6 | 70 | 39 | 54 | 74 | 48 | 61 | 60 | 54 | 57 | 623 | 4 | 0.55 | 0 | N-D | | 100 | 22 | 61 | |
| 7 | 70 | 41 | 56 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 8 | 64 | 40 | 52 | | | | | | | | | | | | | 100 | 41 | 70 | |
| 9 | 67 | 36 | 52 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 10 | 73 | 35 | 54 | | | | | | | | | | | | | 100 | 23 | 62 | |
| 11 | 71 | 47 | 59 | 75 | 56 | 65 | 64 | 59 | 62 | 588 | 5 | 0.00 | 0 | N-D | | 100 | 35 | 68 | |
| 12 | 58 | 38 | 48 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 13 | 66 | 38 | 52 | | | | | | | | | | | | | 100 | 48 | 74 | |
| 14 | 68 | 48 | 58 | | | | | | | | | | | | | 100 | 37 | 68 | |
| 15 | 67 | 40 | 54 | | | | | | | | | | | | | 94 | 37 | 66 | |
| 16 | 65 | 35 | 50 | | | | | | | | | | | | | 100 | 35 | 68 | |
| 17 | 65 | 39 | 52 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 18 | 59 | 34 | 46 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 19 | 62 | 37 | 50 | 74 | 47 | 60 | 62 | 59 | 60 | 1002 | 5 | 0.43 | 0 | N-D | | 100 | 50 | 75 | |
| 20 | 66 | 34 | 50 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 21 | 69 | 40 | 54 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 22 | 54 | 35 | 44 | | | | | | | | | | | | | 100 | 60 | 80 | |
| 23 | 67 | 34 | 50 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 24 | 70 | 36 | 53 | | | | | | | | | | | | | 100 | 32 | 66 | |
| 25 | 68 | 44 | 56 | | | | | | | | | | | | | 80 | 40 | 60 | |
| 26 | 68 | 43 | 56 | 76 | 47 | 62 | 60 | 59 | 60 | 748 | 4 | 0.50 | 0 | N-D | | 91 | 42 | 66 | |
| 27 | 67 | 41 | 54 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 28 | 66 | 44 | 55 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 29 | 67 | 38 | 52 | | | | | | | | | | | | | 100 | 55 | 78 | |
| 30 | 55 | 42 | 48 | | | | | | | | | | | | | 100 | 80 | 90 | |
| 31 | 50 | 39 | 44 | 65 | 50 | 58 | 62 | 55 | 58 | 428 | 4 | 1.77 | 0 | N-D | 18 | 20 | 100 | 100 | 100 |
| Month Mean | 73 | 31 | 52 | 76 | 47 | 61 | 64 | 54 | 59 | 3390 | 5 | 3.25 | | | | 100 | 22 | 71 | |
| Month Mean | 64 | 38 | | 73 | 50 | | 62 | 57 | | | | | | | | 99 | 43 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-------------------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 55 | 40 | 48 | | | | | | | | | | | | | 100 | 86 | 93 | |
| 2 | 62 | 40 | 51 | | | | | | | | | | | | | 100 | 44 | 72 | |
| 3 | 64 | 41 | 52 | | | | | | | | | | | | | 100 | 32 | 66 | |
| 4 | 66 | 40 | 53 | | | | | | | | | | | | | 92 | 26 | 59 | |
| 5 | 69 | 42 | 56 | | | | | | | | | | | | | 73 | 28 | 50 | |
| 6 | 68 | 40 | 54 | | | | | | | | | | | | | 100 | 35 | 68 | |
| 7 | 70 | 35 | 53 | 65 | 48 | 56 | 57 | 52 | 55 | 866 | 5 | 0.97 | 0 | N-D | | 99 | 28 | 64 | |
| 8 | 62 | 38 | 50 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 9 | 69 | 35 | 52 | | | | | | | | | | | | | 100 | 21 | 60 | |
| 10 | 64 | 36 | 50 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 11 | 65 | 37 | 51 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 12 | 63 | 42 | 52 | | | | | | | | | | | | | 100 | 42 | 71 | |
| 13 | 67 | 43 | 55 | | | | | | | | | | | | | 86 | 38 | 62 | |
| 14 | 70 | 43 | 56 | 72 | 50 | 60 | 60 | 53 | 56 | 807 | 5 | 0.14 | 0 | N-D | | 100 | 28 | 64 | |
| 15 | 68 | 47 | 58 | | | | | | | | | | | | | 100 | 51 | 76 | |
| 16 | 63 | 44 | 54 | | | | | | | | | | | | | 100 | 58 | 79 | |
| 17 | 59 | 41 | 50 | | | | | | | | | | | | | 100 | 54 | 77 | |
| 18 | 55 | 39 | 47 | | | | | | | | | | | | | 100 | 42 | 71 | |
| 19 | 50 | 36 | 43 | | | | | | | | | | | | | 100 | 85 | 92 | |
| 20 | 52 | 38 | 45 | | | | | | | | | | | | | 100 | 58 | 79 | |
| 21 | 60 | 42 | 51 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 22 | 61 | 39 | 50 | 71 | 46 | 58 | 60 | 51 | 56 | 971 | 5 | 1.62 | 0 | N-D | | 100 | 35 | 68 | |
| 23 | 67 | 36 | 52 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 24 | 66 | 36 | 51 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 25 | 65 | 40 | 52 | | | | | | | | | | | | | 92 | 38 | 65 | |
| 26 | 63 | 39 | 51 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 27 | 62 | 37 | 50 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 28 | 62 | 39 | 50 | | | | | | | 1114 | 8 | 0.04 | 0 | N-D | | 100 | 36 | 68 | |
| 29 | 60 | 36 | 48 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 30 | 65 | 32 | 44 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 31 | 52 | 27 | 40 | 67 | 46 | 57 | 57 | 51 | 54 | 499 | 7 | 0.07 | 0 | N-D | 14 | 16 | 100 | 24 | 62 |
| Month Mean | 70 | 27 | 51 | 72 | 46 | 58 | 60 | 51 | 55 | 4257 | 6 | 2.84 | | | | 100 | 21 | 69 | |
| Month Mean | 62 | 39 | | 69 | 47 | | 58 | 52 | | | | | | | | 98 | 39 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 63 | 35 | 49 | | | | | | | | | | | | | | 50 | 25 | 38 |
| 2 | 68 | 50 | 59 | | | | | | | | | | | | | | 34 | 23 | 28 |
| 3 | 64 | 32 | 48 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 4 | 67 | 29 | 48 | | | | | | | | | | | | | | 100 | 18 | 59 |
| 5 | 51 | 27 | 39 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 6 | 65 | 26 | 46 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 7 | 68 | 27 | 48 | | | | | | | | | | | | | | 80 | 19 | 50 |
| 8 | 66 | 39 | 52 | 68 | 47 | 58 | 57 | 52 | 54 | 1186 | 6 | T | 0 | N-D | | | 79 | 36 | 58 |
| 9 | 63 | 43 | 53 | | | | | | | | | | | | | | 77 | 48 | 62 |
| 10 | 69 | 40 | 54 | | | | | | | | | | | | | | 96 | 37 | 66 |
| 11 | 67 | 37 | 52 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 12 | 69 | 47 | 58 | | | | | | | | | | | | | | 73 | 28 | 50 |
| 13 | 66 | 46 | 56 | | | | | | | | | | | | | | 64 | 36 | 50 |
| 14 | 67 | 40 | 54 | | | | | | | | | | | | | | 70 | 30 | 50 |
| 15 | 66 | 42 | 54 | | | | | | | | | | | | | | 37 | 22 | 30 |
| 16 | 68 | 35 | 52 | 68 | 51 | 59 | 58 | 54 | 56 | 1299 | 7 | 0.00 | 0 | N-D | | | 72 | 23 | 48 |
| 17 | 68 | 32 | 50 | | | | | | | | | | | | | | 90 | 29 | 60 |
| 18 | 68 | 34 | 51 | | | | | | | | | | | | | | 84 | 30 | 57 |
| 19 | 70 | 33 | 52 | | | | | | | | | | | | | | 84 | 24 | 54 |
| 20 | 70 | 37 | 54 | | | | | | | | | | | | | | 58 | 29 | 44 |
| 21 | 54 | 41 | 46 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 22 | 47 | 27 | 37 | 67 | 50 | 58 | 57 | 53 | 55 | 771 | 5 | 0.01 | 0 | N-D | | | 100 | 45 | 72 |
| 23 | 59 | 22 | 40 | | | | | | | | | | | | | | 72 | 22 | 47 |
| 24 | 63 | 35 | 49 | | | | | | | | | | | | | | 31 | 16 | 24 |
| 25 | 64 | 28 | 46 | | | | | | | | | | | | | | 48 | 18 | 33 |
| 26 | 62 | 30 | 46 | | | | | | | | | | | | | | 53 | 21 | 37 |
| 27 | 62 | 43 | 52 | | | | | | | | | | | | | | 36 | 22 | 29 |
| 28 | 56 | 36 | 46 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 29 | 55 | 30 | 42 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 30 | 60 | 34 | 47 | 62 | 44 | 53 | 54 | 50 | 52 | 1366 | 7 | 0.13 | 0 | N-D | 4 | 12 | 100 | 33 | 66 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 70 | 22 | 49 | 68 | 44 | 57 | 58 | 50 | 54 | 4622 | 6 | 0.14 | | | | | 100 | 14 | 52 |
| Month Mean | 64 | 35 | 48 | 66 | 48 | 56 | 52 | | | | | | | | | | 76 | 29 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 53 | 38 | 46 | | | | | | | | | | | | | | 94 | 35 | 64 |
| 2 | 58 | 31 | 44 | | | | | | | | | | | | | | 80 | 35 | 58 |
| 3 | 58 | 31 | 44 | | | | | | | | | | | | | | 65 | 34 | 50 |
| 4 | 60 | 29 | 44 | | | | | | | | | | | | | | 85 | 37 | 61 |
| 5 | 58 | 34 | 46 | | | | | | | | | | | | | | 83 | 48 | 66 |
| 6 | 63 | 30 | 46 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 7 | 62 | 30 | 46 | 51 | 44 | 48 | 52 | 48 | 50 | 1301 | 8 | 0.05 | 0 | | | | 95 | 38 | 66 |
| 8 | 57 | 33 | 45 | | | | | | | | | | | | | | 100 | 55 | 78 |
| 9 | 58 | 31 | 44 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 10 | 58 | 33 | 46 | | | | | | | | | | | | | | 51 | 28 | 40 |
| 11 | 60 | 35 | 48 | | | | | | | | | | | | | | 47 | 26 | 36 |
| 12 | 57 | 30 | 44 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 13 | 45 | 28 | 36 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 14 | 49 | 28 | 38 | 56 | 39 | 48 | 52 | 46 | 48 | 1244 | 7 | 0.00 | 0 | | | | 74 | 30 | 52 |
| 15 | 56 | 26 | 41 | | | | | | | | | | | | | | 63 | 24 | 44 |
| 16 | 59 | 22 | 40 | | | | | | | | | | | | | | 68 | 19 | 44 |
| 17 | 53 | 25 | 39 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 18 | 53 | 25 | 39 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 19 | 43 | 26 | 34 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 20 | 47 | 27 | 37 | | | | | | | | | | | | | | 47 | 23 | 35 |
| 21 | 54 | 38 | 46 | | | | | | | | | | | | | | 44 | 20 | 32 |
| 22 | 47 | 25 | 36 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 23 | 56 | 28 | 42 | 54 | 38 | 46 | 46 | 43 | 45 | 1739 | 8 | 0.00 | 0 | | | | 70 | 36 | 53 |
| 24 | 43 | 18 | 30 | | | | | | | | | | | | | | 100 | 55 | 78 |
| 25 | 30 | 14 | 22 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 26 | 44 | 27 | 36 | | | | | | | | | | | | | | 77 | 42 | 60 |
| 27 | 52 | 24 | 38 | | | | | | | | | | | | | | 83 | 21 | 52 |
| 28 | 51 | 25 | 38 | | | | | | | | | | | | | | 84 | 22 | 53 |
| 29 | 34 | 18 | 26 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 30 | 48 | 16 | 32 | | | | | | | | | | | | | | 84 | 29 | 56 |
| 31 | 43 | 19 | 31 | 47 | 32 | 39 | 44 | 38 | 41 | 2317 | 11 | 0.15 | 3 | | | | 100 | 27 | 64 |
| Month | 63 | 14 | 40 | 56 | 32 | 45 | 52 | 38 | 46 | 6601 | 9 | 0.20 | | | | | 100 | 19 | 59 |
| Month Mean | 52 | 27 | 38 | 52 | 38 | 49 | 44 | | | | | | | | | | 84 | 33 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-------------|----------------------|-------------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" 11-13" | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | % | % | | | |
| 1 | 22 | 09 | 16 | | | | | | | | | | | | | 100 | 84 | 92 | |
| 2 | 12 | 05 | 08 | | | | | | | | | | | | | 100 | 71 | 86 | |
| 3 | 16 | -05 | 06 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 4 | 20 | -04 | 08 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 5 | 25 | 09 | 17 | | | | | | | | | | | | | 100 | 89 | 94 | |
| 6 | 32 | 24 | 28 | | | | | | | | | | | | | 100 | 86 | 93 | |
| 7 | 26 | 05 | 16 | | | | | | | | | | | | | 100 | 91 | 96 | |
| 8 | 33 | 04 | 18 | | | | | | | | | | | | | 100 | 33 | 66 | |
| 9 | 42 | 26 | 34 | 41 | 30 | 35 | 39 | 35 | 37 | 2407 | 11 | 1.00 | N-D | N-D | | 82 | 38 | 60 | |
| 10 | 44 | 33 | 38 | | | | | | | | | | | | | 55 | 32 | 44 | |
| 11 | 45 | 31 | 38 | | | | | | | | | | | | | 52 | 42 | 47 | |
| 12 | 45 | 31 | 38 | | | | | | | | | | | | | 55 | 26 | 40 | |
| 13 | 44 | 30 | 37 | | | | | | | | | | | | | 39 | 24 | 32 | |
| 14 | 32 | 01 | 16 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 15 | 20 | -02 | 09 | 42 | 32 | 37 | 38 | 34 | 36 | 2149 | 15 | 0.15 | N-D | N-D | | 94 | 23 | 58 | |
| 16 | 22 | 14 | 18 | | | | | | | | | | | | | 100 | 27 | 64 | |
| 17 | 33 | 18 | 26 | | | | | | | | | | | | | 100 | 58 | 79 | |
| 18 | 29 | 12 | 20 | | | | | | | | | | | | | 100 | 51 | 76 | |
| 19 | 14 | -06 | 04 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 12 | -17 | -02 | | | | | | | | | | | | | 100 | 54 | 77 | |
| 21 | 27 | 11 | 19 | | | | | | | | | | | | | 95 | 44 | 70 | |
| 22 | 37 | 23 | 30 | | | | | | | | | | | | | 85 | 40 | 62 | |
| 23 | 30 | 11 | 20 | 31 | 26 | 28 | 34 | 32 | 33 | 3129 | 16 | 0.35 | 14 | N-D | | 100 | 30 | 65 | |
| 24 | 50 | 11 | 30 | | | | | | | | | | | | | 85 | 19 | 52 | |
| 25 | 43 | 21 | 32 | | | | | | | | | | | | | 81 | 29 | 55 | |
| 26 | 47 | 16 | 32 | | | | | | | | | | | | | 80 | 21 | 50 | |
| 27 | 40 | 08 | 24 | | | | | | | | | | | | | 100 | 23 | 62 | |
| 28 | 26 | 07 | 16 | | | | | | | | | | | | | 100 | 35 | 68 | |
| 29 | 40 | 24 | 32 | | | | | | | | | | | | | 75 | 29 | 52 | |
| 30 | 49 | 32 | 40 | 32 | 26 | 29 | 32 | 37 | 35 | 1418 | 8 | 0.05 | 13 | N-D | 6 | 12 | 38 | 18 | 28 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 50 | -17 | 22 | 42 | 26 | 32 | 39 | 32 | 35 | 9103 | 13 | 1.55 | | | | 100 | 18 | 66 | |
| Month Mean | 32 | 13 | | 37 | 28 | | 36 | 34 | | | | | | | | 87 | 45 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Uiah Tube | Oven-Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|-------------|----------------------|-------------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" 11-13" | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | % | % | | | |
| 1 | 48 | 18 | 33 | | | | | | | | | | | | | 89 | 37 | 63 | |
| 2 | 45 | 21 | 33 | | | | | | | | | | | | | 59 | 25 | 42 | |
| 3 | 52 | 15 | 34 | | | | | | | | | | | | | 64 | 23 | 44 | |
| 4 | 44 | 24 | 34 | | | | | | | | | | | | | 94 | 59 | 76 | |
| 5 | 32 | 24 | 28 | | | | | | | | | | | | | 97 | 74 | 86 | |
| 6 | 33 | 12 | 22 | | | | | | | | | | | | | 100 | 59 | 80 | |
| 7 | 19 | 04 | 12 | 36 | 30 | 33 | 33 | 32 | 32 | 1549 | 9 | 0.15 | 18 | N-D | | 100 | 100 | 100 | |
| 8 | 18 | -02 | 08 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 9 | 35 | 16 | 26 | | | | | | | | | | | | | 45 | 29 | 37 | |
| 10 | 32 | 22 | 27 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 11 | 27 | 19 | 23 | | | | | | | | | | | | | 100 | 75 | 88 | |
| 12 | 26 | 18 | 22 | | | | | | | | | | | | | 100 | 70 | 85 | |
| 13 | 28 | 19 | 24 | | | | | | | | | | | | | 100 | 72 | 86 | |
| 14 | 25 | 12 | 18 | | | | | | | | | | | | | 100 | 71 | 86 | |
| 15 | 32 | 12 | 22 | 30 | 26 | 28 | 32 | 30 | 31 | 3508 | 18 | 0.80 | 28 | N-D | | 92 | 26 | 59 | |
| 16 | 27 | 18 | 22 | | | | | | | | | | | | | 94 | 62 | 78 | |
| 17 | 28 | 09 | 18 | | | | | | | | | | | | | 100 | 25 | 62 | |
| 18 | 40 | 21 | 30 | | | | | | | | | | | | | 58 | 17 | 38 | |
| 19 | 26 | 00 | 13 | | | | | | | | | | | | | 100 | 58 | 79 | |
| 20 | 33 | -04 | 14 | | | | | | | | | | | | | 100 | 33 | 66 | |
| 21 | 37 | 18 | 28 | | | | | | | | | | | | | 84 | 46 | 65 | |
| 22 | 23 | 03 | 13 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 23 | 17 | 03 | 10 | 30 | 22 | 26 | 30 | 29 | 30 | 2245 | 12 | 0.20 | 28 | N-D | | 100 | 38 | 69 | |
| 24 | 26 | 06 | 16 | | | | | | | | | | | | | 84 | 34 | 59 | |
| 25 | 34 | 12 | 23 | | | | | | | | | | | | | 72 | 40 | 56 | |
| 26 | 35 | 24 | 30 | | | | | | | | | | | | | 56 | 26 | 41 | |
| 27 | 39 | 27 | 33 | | | | | | | | | | | | | 45 | 32 | 38 | |
| 28 | 33 | 26 | 30 | | | | | | | | | | | | | 69 | 33 | 51 | |
| 29 | 47 | 26 | 36 | | | | | | | | | | | | | 64 | 25 | 44 | |
| 30 | 39 | 22 | 30 | | | | | | | | | | | | | 65 | 25 | 45 | |
| 31 | 36 | 17 | 26 | 32 | 20 | 26 | 31 | 28 | 30 | 2990 | 16 | 0.00 | 25 | N-D | 5 | 10 | 78 | 40 | 59 |
| Month Mean | 52 | -04 | 24 | 36 | 20 | 28 | 33 | 28 | 31 | 10292 | 14 | 1.15 | | | | 100 | 17 | 64 | |
| Month Mean | 33 | 15 | | 32 | 25 | | 32 | 30 | | | | | | | | 84 | 43 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Uiah Tube | Oven-Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month January Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | | |
|------------|------------------------------|--------------------|------|--|----|----|-------------------------------|---------------|----------------------|----------------------|-------------------------|---------------------|--------------------|-------------------|------|------|-----|-----|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | Total Miles | Avg. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | | | |
| 1 | | | | | | | | | | | | N-D | N-D | N-D | N-D | N-D | N-D | | |
| 2 | | | | | | | | | 875 | | | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| Month | 36 | -05 | 16 | 25 | 11 | 18 | 24 | 13 | 18 | 20336 | 29 | 2.20 | 5 | N-D | N-D | N-D | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | 21211 | 29 | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month February Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | | | |
|------------|------------------------------|--------------------|------|--|----|----|-------------------------------|---------------|----------------------|----------------------|-------------------------|---------------------|--------------------|-------------------|------|------|-----|-----|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | Total Miles | Avg. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | | | |
| 1 | | | | | | | | | | | | N-D | N-D | N-D | N-D | N-D | N-D | | |
| 2 | | | | | | | | | | | | ↑ | ↑ | ↑ | ↑ | ↑ | ↑ | | |
| 3 | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | |
| Month | 23 | -15 | 04 | 18 | 10 | 14 | 17 | 11 | 14 | 14960 | 21 | 2.13 | 2 | N-D | N-D | N-D | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month March Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | | |
|------------|---------------------------------|--------------------|------|---|----|----|--------------|----|----|----------------------------------|-------------|----------------------|----------------------|------------------------|------|--------|---------------------|--------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
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| 19 | | | | | | | | | | | | | | | | | | | | |
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| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 0 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| Month | 38 | -16 | 11 | 28 | 10 | 19 | 26 | 12 | 19 | 17296 | 24 | 0.65 | | N-D | 24 | 13 | | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | | | Hydrograph (Hair) ④ | Av. of Max. & Min. | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month April Year 1956
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | | |
|------------|---------------------------------|--------------------|------|---|----|----|--------------|----|----|----------------------------------|-------------|----------------------|----------------------|------------------------|------|--------|---------------------|--------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | |
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| 26 | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | |
| 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 2.30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 29 | 38 | -04 | 17 | 28 | 16 | 22 | 28 | 18 | 22 | 12153 | 18 | | 4 | N-D | 49 | N-D | | N-D | N-D | N-D |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 38 | -04 | 17 | 28 | 16 | 22 | 28 | 18 | 22 | 12153 | 18 | | | N-D | 49 | N-D | | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | | | Hydrograph (Hair) ④ | Av. of Max. & Min. | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month May Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | | |
|------------|------------------------------------|-----------------------------|--|---------------|----|----|--------------|----|-------------------------------------|-----------------------|------------------------|----------------------------|---------------------------|-----------------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | N-D | | | N-D | N-D | N-D |
| 2 | | | | | | | | | | | | ↑ | | | ↑ | ↑ | ↑ |
| 3 | | | | | | | | | | | | | | | | | |
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| 21 | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 0 | N-D | 30 | 19 | ↓ | ↓ | ↓ |
| Month | 51 | 12 | 32 | 43 | 24 | 33 | 37 | 27 | 32 | 11179 | 15 | 2.80 | | | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | | | | | | | | |
| Key | Thermograph ① (Bourdon Tube) | Av. of Max. & Min. | Max. & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month June Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | | |
|------------|------------------------------------|-----------------------------|--|---------------|----|----|--------------|----|-------------------------------------|-----------------------|------------------------|----------------------------|---------------------------|-----------------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | | | | | | | | | | | | N-D | | | N-D | N-D | N-D |
| 2 | | | | | | | | | | | | ↑ | | | ↑ | ↑ | ↑ |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 0 | N-D | 20 | 11 | ↓ | ↓ | ↓ |
| 30 | 60 | 30 | 45 | 53 | 36 | 44 | 47 | 36 | 42 | 7715 | 11 | 0.80 | | | | | |
| Month | 60 | 30 | 45 | 53 | 36 | 44 | 47 | 36 | 42 | 7715 | 11 | 0.80 | | | N-D | N-D | N-D |
| Month Mean | | | | | | | | | | | | | | | | | |
| Key | Thermograph ① (Bourdon Tube) | Av. of Max. & Min. | Max. & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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 and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month July Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|----------------------|-------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 45 | 32 | 38 | | | | | | | | | | | | | | | | |
| 2 | 49 | 31 | 40 | | | | | | | | | | | | | | | | |
| 3 | 49 | 32 | 40 | | | | | | | | | | | | | | | | |
| 4 | 51 | 33 | 42 | | | | | | | | | | | | | | | | |
| 5 | 56 | 39 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 6 | 56 | 44 | 50 | 46 | 42 | 44 | 52 | 41 | 46 | 1546 | 11 | 0.70 | 0 | | | | | | |
| 7 | 55 | 37 | 46 | | | | | | | | | | | | | | | | |
| 8 | 55 | 35 | 45 | | | | | | | | | | | | | | | | |
| 9 | 55 | 34 | 44 | | | | | | | | | | | | | | | | |
| 10 | 58 | 43 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 11 | 60 | 41 | 50 | 53 | 44 | 49 | 48 | 45 | 46 | 1318 | 11 | 0.00 | 0 | | 18 | 13 | | | |
| 12 | 50 | 39 | 44 | | | | | | | | | | | | | | | | |
| 13 | 57 | 38 | 48 | | | | | | | | | | | | | | | | |
| 14 | 57 | 39 | 48 | | | | | | | | | | | | | | | | |
| 15 | 54 | 38 | 46 | | | | | | | | | | | | | | | | |
| 16 | 57 | 41 | 49 | | | | | | | | | | | | | | | | |
| 17 | 54 | 37 | 46 | | | | | | | | | | | | | | | | |
| 18 | 51 | 34 | 42 | | | | | | | | | | | | | | | | |
| 19 | 53 | 34 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 20 | 58 | 35 | 46 | 54 | 43 | 48 | 51 | 45 | 48 | 1981 | 9 | 0.60 | 0 | | 24 | 17 | | | |
| 21 | 57 | 40 | 48 | | | | | | | | | | | | | | | | |
| 22 | 45 | 31 | 38 | | | | | | | | | | | | | | | | |
| 23 | 54 | 37 | 46 | | | | | | | | | | | | | | | | |
| 24 | 56 | 41 | 48 | | | | | | | | | | | | | | | | |
| 25 | 56 | 43 | 50 | | | | | | | | | | | | | | | | |
| 26 | 58 | 44 | 51 | | | | | | | | | | | | | | | | |
| 27 | 54 | 41 | 48 | | | | | | | | | | | | | | | | |
| 28 | 54 | 40 | 47 | | | | | | | | | | | | | | | | |
| 29 | 52 | 40 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 30 | 48 | 37 | 42 | 54 | 42 | 48 | 49 | 44 | 46 | 1925 | 8 | 1.10 | 0 | | 19 | 14 | | | |
| 31 | 43 | 35 | 39 | | | | | | | | | | | | | | | | |
| Month Mean | 60 | 31 | 46 | 54 | 42 | 47 | 52 | 41 | 47 | 6770 | 9 | 2.40 | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4% at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month August Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|----------------------|-------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 45 | 37 | 41 | | | | | | | | | | | | | | | | |
| 2 | 52 | 36 | 44 | | | | | | | | | | | | | | | | |
| 3 | 53 | 38 | 46 | | | | | | | | | | | | | | | | |
| 4 | 53 | 39 | 46 | | | | | | | | | | | | | | | | |
| 5 | 56 | 40 | 48 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 6 | 55 | 44 | 50 | 50 | 42 | 46 | 47 | 42 | 45 | 1538 | 9 | | | | | | | | |
| 7 | 55 | 42 | 48 | | | | | | | | | 1.40 | 0 | | | | | | |
| 8 | 55 | 37 | 46 | | | | | | | | | | | | | | | | |
| 9 | 58 | 36 | 47 | | | | | | | | | | | | | | | | |
| 10 | 55 | 38 | 46 | | | | | | | | | | | | | | | | |
| 11 | 55 | 37 | 46 | | | | | | | | | | | | | | | | |
| 12 | 52 | 37 | 44 | | | | | | | | | | | | | | | | |
| 13 | 57 | 41 | 49 | | | | | | | | | | | | | | | | |
| 14 | 56 | 43 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 15 | 51 | 37 | 44 | 53 | 43 | 48 | 49 | 45 | 47 | 2289 | 10 | 0.60 | 0 | | | | | | |
| 16 | 47 | 36 | 42 | | | | | | | | | | | | | | | | |
| 17 | 43 | 34 | 38 | | | | | | | | | | | | | | | | |
| 18 | 44 | 31 | 38 | | | | | | | | | 0.80 | | | | | | | |
| 19 | 37 | 30 | 34 | | | | | | | | | | | | | | | | |
| 20 | 43 | 29 | 36 | | | | | | | | | | | | | | | | |
| 21 | 47 | 33 | 40 | | | | | | | | | | | | | | | | |
| 22 | 51 | 38 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 23 | 54 | 40 | 47 | 48 | 38 | 43 | 47 | 40 | 43 | 2162 | 11 | 0.65 | 0 | | | | | | |
| 24 | 53 | 36 | 44 | | | | | | | | | | | | | | | | |
| 25 | 52 | 35 | 44 | | | | | | | | | | | | | | | | |
| 26 | 50 | 34 | 42 | | | | | | | | | | | | | | | | |
| 27 | 50 | 36 | 43 | | | | | | | | | | | | | | | | |
| 28 | 48 | 31 | 40 | | | | | | | | | | | | | | | | |
| 29 | 44 | 31 | 38 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | |
| 30 | 38 | 22 | 30 | 48 | 38 | 43 | 46 | 40 | 43 | 2706 | 14 | 0.10 | 0 | | | | | | |
| 31 | 38 | 21 | 30 | | | | | | | | | | | | | | | | |
| Month Mean | 58 | 21 | 43 | 53 | 38 | 42 | 49 | 40 | 45 | 8695 | 11 | 3.55 | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4% at 5-7" = 10%

Data collected for Front Range Ecology Project
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and University of Colorado

Data collected for Front Range Ecology Project
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and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month September Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 50 | 31 | 40 | | | | | | | | | | | | | | | | |
| 2 | 54 | 39 | 46 | | | | | | | | | | | | | | | | |
| 3 | 52 | 31 | 42 | | | | | | | | | | | | | | | | |
| 4 | 53 | 34 | 44 | | | | | | | | | | | | | | | | |
| 5 | 50 | 33 | 42 | | | | | | | | | | | | | | | | |
| 6 | 53 | 36 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 7 | 55 | 40 | 48 | 46 | 38 | 43 | 44 | 40 | 42 | 2368 | 14 | 0.00 | N-D | | | | | | |
| 8 | 54 | 36 | 45 | | | | | | | | | | | | | | | | |
| 9 | 50 | 37 | 44 | | | | | | | | | | | | | | | | |
| 10 | 56 | 40 | 48 | | | | | | | | | | | | | | | | |
| 11 | 57 | 40 | 48 | | | | | | | | | | | | | | | | |
| 12 | 57 | 39 | 48 | | | | | | | | | | | | | | | | |
| 13 | 53 | 38 | 46 | | | | | | | | | | | | | | | | |
| 14 | 54 | 41 | 48 | | | | | | | | | | | | | | | | |
| 15 | 51 | 37 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 16 | 54 | 33 | 44 | 49 | 42 | 45 | 46 | 42 | 44 | 3535 | 16 | 0.10 | N-D | | | | | | |
| 17 | 58 | 32 | 45 | | | | | | | | | | | | | | | | |
| 18 | 57 | 38 | 48 | | | | | | | | | | | | | | | | |
| 19 | 59 | 38 | 48 | | | | | | | | | | | | | | | | |
| 20 | 57 | 38 | 48 | | | | | | | | | | | | | | | | |
| 21 | 37 | 27 | 32 | | | | | | | | | | | | | | | | |
| 22 | 41 | 25 | 33 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 23 | 49 | 28 | 38 | 50 | 38 | 44 | 47 | 41 | 44 | 2083 | 12 | 0.10 | T | | | | | | |
| 24 | 49 | 35 | 42 | | | | | | | | | | | | | | | | |
| 25 | 50 | 33 | 42 | | | | | | | | | | | | | | | | |
| 26 | 52 | 35 | 44 | | | | | | | | | | | | | | | | |
| 27 | 53 | 38 | 46 | | | | | | | | | | | | | | | | |
| 28 | 41 | 26 | 34 | | | | | | | | | | | | | | | | |
| 29 | 44 | 27 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 30 | 47 | 26 | 38 | 46 | 38 | 42 | 44 | 40 | 42 | 2609 | 16 | 0.05 | T | N-D | 20 | 15 | 100 | 34 | 67 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 59 | 25 | 43 | 50 | 38 | 44 | 47 | 40 | 43 | 10595 | 15 | 0.25 | | | | | | | |
| Month Mean | 52 | 34 | 43 | 48 | 39 | 44 | 46 | 41 | 43 | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 5-7" = 10%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. D-1 Altitude 12,300 ft. Exposure Ridgetop Month October Year 1956

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 37 | 24 | 30 | | | | | | | | | | | | | | | | |
| 2 | 42 | 27 | 34 | | | | | | | | | | | | | | | | |
| 3 | 43 | 28 | 36 | | | | | | | | | | | | | | | | |
| 4 | 44 | 31 | 38 | | | | | | | | | | | | | | | | |
| 5 | 42 | 32 | 37 | | | | | | | | | | | | | | | | |
| 6 | 48 | 33 | 40 | | | | | | | | | | | | | | | | |
| 7 | 49 | 37 | 43 | 45 | 36 | 41 | 42 | 38 | 40 | 2755 | 17 | 0.25 | 0 | | | | | | |
| 8 | 45 | 27 | 36 | | | | | | | | | | | | | | | | |
| 9 | 47 | 32 | 40 | | | | | | | | | | | | | | | | |
| 10 | 45 | 30 | 38 | | | | | | | | | | | | | | | | |
| 11 | 48 | 32 | 40 | | | | | | | | | | | | | | | | |
| 12 | 45 | 22 | 34 | | | | | | | | | | | | | | | | |
| 13 | 29 | 16 | 22 | | | | | | | | | | | | | | | | |
| 14 | 37 | 23 | 30 | 43 | 34 | 38 | 40 | 36 | 38 | 2596 | 16 | 0.10 | T | | | | | | |
| 15 | 42 | 23 | 32 | | | | | | | | | | | | | | | | |
| 16 | 48 | 32 | 40 | | | | | | | | | | | | | | | | |
| 17 | 39 | 26 | 32 | | | | | | | | | | | | | | | | |
| 18 | 43 | 25 | 34 | | | | | | | | | | | | | | | | |
| 19 | 29 | 14 | 21 | | | | | | | | | | | | | | | | |
| 20 | 33 | 15 | 24 | | | | | | | | | | | | | | | | |
| 21 | 38 | 26 | 32 | | | | | | | | | | | | | | | | |
| 22 | 43 | 26 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 23 | 40 | 27 | 34 | 37 | 32 | 34 | 36 | 34 | 35 | 3490 | 16 | 0.00 | 0 | | | | | | |
| 24 | 32 | 09 | 20 | | | | | | | | | | | | | | | | |
| 25 | 18 | 03 | 10 | | | | | | | | | | | | | | | | |
| 26 | 27 | 16 | 22 | | | | | | | | | | | | | | | | |
| 27 | 39 | 24 | 32 | | | | | | | | | | | | | | | | |
| 28 | 38 | 24 | 31 | | | | | | | | | | | | | | | | |
| 29 | 26 | 07 | 16 | | | | | | | | | | | | | | | | |
| 30 | 24 | 05 | 14 | | | | | | | | | | | | | | | | |
| 31 | 27 | 09 | 18 | 33 | 31 | 32 | 35 | 32 | 34 | 4617 | 25 | 0.00 | 0 | N-D | 33 | 26 | 100 | 38 | 69 |
| Month | 49 | 03 | 30 | 45 | 31 | 36 | 42 | 32 | 36 | 13458 | 18 | 0.35 | | | | | | | |
| Month Mean | 38 | 23 | 32 | 40 | 33 | 38 | 42 | 35 | 38 | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 5-7" = 10%

Data collected for Front Range Ecology Project
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and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month March Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 47 | 18 | 32 | | | | | | | | | | | | 100 | 47 | 74 | | |
| 2 | 47 | 18 | 32 | | | | | | | | | | | | 97 | 44 | 70 | | |
| 3 | 45 | 25 | 35 | | | | | | | | | | | | 100 | 51 | 76 | | |
| 4 | 40 | 19 | 30 | | | | | | | | | | | | 100 | 66 | 83 | | |
| 5 | 38 | 18 | 28 | | | | | | | | | | | | 100 | 80 | 90 | | |
| 6 | 34 | 11 | 22 | | | | | | | | | | | | 100 | 57 | 78 | | |
| 7 | 46 | 14 | 30 | | | | | | | | | | | | 100 | 43 | 72 | | |
| 8 | 41 | 28 | 34 | 34 | 32 | 33 | 36 | 32 | 34 | 759 | 4 | 0.55 | T | | 100 | 58 | 79 | | |
| 9 | 60 | 29 | 44 | | | | | | | | | | | | 100 | 15 | 58 | | |
| 10 | 51 | 29 | 40 | | | | | | | | | | | | 100 | 38 | 69 | | |
| 11 | 42 | 25 | 34 | | | | | | | | | | | | 100 | 34 | 67 | | |
| 12 | 53 | 33 | 43 | | | | | | | | | | | | 57 | 26 | 42 | | |
| 13 | 40 | 13 | 26 | | | | | | | | | | | | 100 | 50 | 75 | | |
| 14 | 36 | 09 | 22 | | | | | | | | | | | | 100 | 31 | 66 | | |
| 15 | 48 | 18 | 33 | 42 | 32 | 37 | 38 | 32 | 35 | 1455 | 9 | 0.35 | 0 | | 66 | 31 | 48 | | |
| 16 | 52 | 32 | 42 | | | | | | | | | | | | 100 | 26 | 63 | | |
| 17 | 47 | 24 | 36 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 18 | 45 | 21 | 33 | | | | | | | | | | | | 100 | 52 | 76 | | |
| 19 | 56 | 29 | 42 | | | | | | | | | | | | 83 | 20 | 52 | | |
| 20 | 56 | 30 | 43 | | | | | | | | | | | | 73 | 35 | 54 | | |
| 21 | 59 | 30 | 44 | | | | | | | | | | | | 90 | 25 | 58 | | |
| 22 | 37 | 15 | 26 | 48 | 32 | 40 | 39 | 34 | 36 | 750 | 4 | 0.40 | 7 | | 100 | 70 | 85 | | |
| 23 | 28 | 14 | 21 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 24 | 40 | 10 | 25 | | | | | | | | | | | | 77 | 23 | 50 | | |
| 25 | 46 | 18 | 32 | | | | | | | | | | | | 87 | 32 | 60 | | |
| 26 | 46 | 26 | 36 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 27 | 48 | 21 | 34 | | | | | | | | | | | | 79 | 31 | 55 | | |
| 28 | 52 | 30 | 41 | | | | | | | | | | | | 100 | 36 | 68 | | |
| 29 | 60 | 31 | 46 | | | | | | | | | | | | 96 | 31 | 64 | | |
| 30 | 53 | 28 | 40 | | | | | | | | | | | | 100 | 54 | 77 | | |
| 31 | 40 | 31 | 36 | 50 | 33 | 41 | 40 | 34 | 37 | 1078 | 5 | 0.00 | 0 | 10 | 100 | 100 | 100 | | |
| Month Mean | 60 | 09 | 34 | 50 | 32 | 38 | 40 | 32 | 36 | 4041 | 5 | 1.30 | | | 100 | 15 | 68 | | |
| Month Mean | 46 | 22 | | 43 | 32 | | 38 | 33 | | | | | | | 94 | 42 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month April Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 37 | 29 | 33 | | | | | | | | | | | | 100 | 90 | 95 | | |
| 2 | 29 | 17 | 23 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 3 | 33 | 09 | 21 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 4 | 40 | 17 | 28 | | | | | | | | | | | | 100 | 45 | 72 | | |
| 5 | 47 | 17 | 32 | 42 | 33 | 38 | 40 | 35 | 38 | 600 | 5 | 4.80 | 28 | | 100 | 42 | 71 | | |
| 6 | 49 | 19 | 34 | | | | | | | | | | | | 100 | 50 | 75 | | |
| 7 | 25 | 12 | 18 | | | | | | | | | | | | 100 | 98 | 99 | | |
| 8 | 50 | 16 | 33 | | | | | | | | | | | | 100 | 23 | 62 | | |
| 9 | 54 | 27 | 40 | | | | | | | | | | | | 86 | 31 | 58 | | |
| 10 | 53 | 29 | 41 | | | | | | | | | | | | 100 | 34 | 67 | | |
| 11 | 29 | 13 | 21 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 12 | 32 | 13 | 22 | | | | | | | | | | | | 100 | 94 | 97 | | |
| 13 | 58 | 30 | 44 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 14 | 59 | 28 | 44 | 34 | 33 | 34 | 37 | 34 | 36 | 887 | 4 | 2.20 | 12 | | 100 | 30 | 65 | | |
| 15 | 56 | 38 | 47 | | | | | | | | | | | | 100 | 45 | 72 | | |
| 16 | 53 | 34 | 44 | | | | | | | | | | | | 100 | 56 | 78 | | |
| 17 | 57 | 34 | 46 | | | | | | | | | | | | 100 | 67 | 84 | | |
| 18 | 62 | 35 | 48 | | | | | | | | | | | | 91 | 31 | 61 | | |
| 19 | 47 | 32 | 40 | | | | | | | | | | | | 100 | 52 | 76 | | |
| 20 | 57 | 32 | 44 | | | | | | | | | | | | 100 | 32 | 66 | | |
| 21 | 63 | 37 | 50 | | | | | | | | | | | | 100 | 50 | 75 | | |
| 22 | 56 | 32 | 44 | 48 | 32 | 40 | 40 | 34 | 37 | 845 | 4 | 0.30 | 0 | | 100 | 55 | 78 | | |
| 23 | 46 | 28 | 37 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 24 | 57 | 34 | 46 | | | | | | | | | | | | 94 | 28 | 61 | | |
| 25 | 48 | 22 | 35 | | | | | | | | | | | | 100 | 52 | 76 | | |
| 26 | 44 | 19 | 32 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 27 | 39 | 26 | 32 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 28 | 44 | 26 | 35 | | | | | | | | | | | | 100 | 76 | 88 | | |
| 29 | 62 | 31 | 46 | | | | | | | | | | | | 100 | 38 | 69 | | |
| 30 | 64 | 37 | 50 | 52 | 34 | 43 | 42 | 36 | 39 | 974 | 5 | 0.80 | 0 | 12 | 100 | 37 | 68 | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 64 | 09 | 37 | 52 | 32 | 39 | 42 | 34 | 37 | 3306 | 4 | 8.10 | | | 100 | 23 | 77 | | |
| Month Mean | 48 | 26 | | 44 | 33 | | 40 | 35 | | | | | | | 99 | 56 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|---------------------|------------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry 5-7" | Wt. 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 70 | 41 | 56 | | | | | | | | | | | | | | | | |
| 2 | 72 | 44 | 58 | | | | | | | | | | | | | | | | |
| 3 | 64 | 42 | 53 | | | | | | | | | | | | | | | | |
| 4 | 55 | 35 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 5 | 50 | 38 | 44 | 60 | 39 | 50 | 48 | 40 | 44 | 543 | 5 | 0.00 | 0 | | | | 100 | 100 | 100 |
| 6 | 72 | 42 | 57 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 7 | 68 | 46 | 57 | | | | | | | | | | | | | | 64 | 30 | 47 |
| 8 | 51 | 36 | 44 | | | | | | | | | | | | | | 100 | 62 | 81 |
| 9 | 40 | 31 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 100 | 100 |
| 10 | 44 | 32 | 38 | 58 | 38 | 48 | 48 | 43 | 46 | 670 | 5 | 3.50 | 0 | | | | 100 | 100 | 100 |
| 11 | 53 | 37 | 45 | | | | | | | | | | | | | | 100 | 65 | 82 |
| 12 | 58 | 33 | 46 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 13 | 50 | 35 | 42 | | | | | | | | | | | | | | 100 | 94 | 97 |
| 14 | 52 | 35 | 44 | | | | | | | | | | | | | | 100 | 62 | 81 |
| 15 | 39 | 30 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 100 | 100 |
| 16 | 38 | 26 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 100 | 100 |
| 17 | 54 | 26 | 40 | 54 | 35 | 44 | 46 | 40 | 43 | 448 | 3 | 4.20 | 9 | | | | 100 | 55 | 78 |
| 18 | 62 | 33 | 48 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 19 | 66 | 41 | 54 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 20 | 55 | 36 | 46 | | | | | | | | | | | | | | 98 | 38 | 68 |
| 21 | 58 | 33 | 46 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 22 | 40 | 31 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 98 | 99 |
| 23 | 51 | 29 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 64 | 82 |
| 24 | 62 | 35 | 48 | 56 | 34 | 46 | 44 | 38 | 41 | 1005 | 6 | | 0 | | | | 100 | 26 | 63 |
| 25 | 69 | 38 | 54 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 26 | 68 | 41 | 54 | | | | | | | | | | | | | | 96 | 35 | 65 |
| 27 | 71 | 41 | 56 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 28 | 74 | 44 | 59 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 29 | 73 | 44 | 58 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 30 | 71 | 42 | 56 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 30 | 65 |
| 31 | 51 | 39 | 45 | 66 | 41 | 53 | 53 | 44 | 49 | 988 | 6 | 0.65 | 0 | | | | 100 | 100 | 100 |
| Month | 74 | 26 | 47 | 66 | 34 | 48 | 53 | 38 | 45 | 3654 | 4 | 8.35 | | | | | 100 | 18 | 76 |
| Month Mean | 58 | 37 | 47 | 59 | 38 | | 48 | 41 | | | | | | | | | 96 | 56 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|---------------------|------------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | % Dry 5-7" | Wt. 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 50 | 38 | 44 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 2 | 71 | 40 | 56 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 3 | 72 | 51 | 62 | | | | | | | | | | | | | | 77 | 48 | 62 |
| 4 | 78 | 49 | 64 | | | | | | | | | | | | | | 71 | 29 | 50 |
| 5 | 82 | 52 | 67 | | | | | | | | | | | | | | 82 | 20 | 51 |
| 6 | 84 | 52 | 68 | | | | | | | | | | | | | | 78 | 20 | 49 |
| 7 | 78 | 49 | 64 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 31 | 66 |
| 8 | 78 | 51 | 64 | 72 | 45 | 59 | 58 | 50 | 54 | 1004 | 5 | 0.75 | 0 | | | | 100 | 44 | 72 |
| 9 | 80 | 55 | 68 | | | | | | | | | | | | | | 52 | 25 | 38 |
| 10 | 70 | 45 | 58 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 11 | 54 | 43 | 48 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 12 | 75 | 43 | 59 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 13 | 63 | 43 | 53 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 37 | 68 |
| 14 | 77 | 40 | 58 | 72 | 46 | 58 | 58 | 54 | 56 | 1051 | 7 | 0.45 | 0 | | | | 100 | 22 | 61 |
| 15 | 51 | 41 | 46 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 16 | 58 | 36 | 47 | | | | | | | | | | | | | | 100 | 30 | 65 |
| 17 | 66 | 37 | 52 | | | | | | | | | | | | | | 77 | 26 | 52 |
| 18 | 70 | 38 | 54 | | | | | | | | | | | | | | 76 | 27 | 52 |
| 19 | 84 | 49 | 66 | | | | | | | | | | | | | | 64 | 12 | 38 |
| 20 | 85 | 56 | 70 | | | | | | | | | | | | | | 36 | 10 | 23 |
| 21 | 67 | 46 | 56 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 63 | 32 | 48 |
| 22 | 74 | 42 | 58 | 76 | 44 | 60 | 60 | 52 | 56 | 1278 | 7 | 0.26 | 0 | | | | 100 | 32 | 66 |
| 23 | 66 | 40 | 53 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 24 | 85 | 43 | 64 | | | | | | | | | | | | | | 100 | 08 | 54 |
| 25 | 84 | 56 | 70 | | | | | | | | | | | | | | 66 | 16 | 41 |
| 26 | 79 | 55 | 67 | | | | | | | | | | | | | | 83 | 28 | 56 |
| 27 | 84 | 54 | 69 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 28 | 88 | 47 | 68 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 29 | 93 | 61 | 77 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 57 | 16 | 36 |
| 30 | 84 | 58 | 71 | 80 | 52 | 66 | 64 | 56 | 60 | 1383 | 7 | | 0 | | | | 70 | 30 | 50 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 93 | 36 | 61 | 80 | 44 | 61 | 64 | 50 | 56 | 4716 | 6 | 1.46 | | | | | 100 | 08 | 59 |
| Month Mean | 74 | 47 | | 75 | 47 | | 60 | 53 | | | | | | | | | 85 | 33 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month July Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|------|------|--------------|------|------|-------------|---------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 95 | 63 | 79 | | | | | | | | | | | | | | | 60 | 15 | 38 |
| 2 | 97 | 66 | 82 | | | | | | | | | | | | | | | 38 | 16 | 27 |
| 3 | 94 | 65 | 80 | | | | | | | | | | | | | | | 62 | 22 | 42 |
| 4 | 76 | 49 | 62 | | | | | | | | | | | | | | | 100 | 43 | 72 |
| 5 | 88 | 54 | 71 | 83 | 60 | 71 | 66 | 62 | 64 | 846 | 8 | 0.00 | 0 | | | | | 77 | 24 | 50 |
| 6 | 95 | 62 | 78 | | | | | | | | | | | | | | | 38 | 16 | 27 |
| 7 | 90 | 56 | 73 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 8 | 72 | 53 | 62 | | | | | | | | | | | | | | | 100 | 60 | 80 |
| 9 | 85 | 53 | 69 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 10 | 84 | 61 | 72 | | | | | | | | | | | | | | | 51 | 28 | 40 |
| 11 | 87 | 61 | 74 | | | | | | | | | | | | | | | 52 | 26 | 39 |
| 12 | 77 | 57 | 67 | 83 | 60 | 71 | 68 | 62 | 65 | 1035 | 6 | 0.20 | 0 | | | | | 100 | 42 | 71 |
| 13 | 82 | 55 | 68 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 84 | 55 | 70 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 15 | 89 | 61 | 75 | | | | | | | | | | | | | | | 53 | 17 | 35 |
| 16 | 91 | 62 | 76 | | | | | | | | | | | | | | | 47 | 23 | 35 |
| 17 | 91 | 58 | 74 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 18 | 79 | 58 | 68 | 86 | 56 | 72 | 67 | 62 | 64 | 920 | 6 | 0.36 | 0 | | | | | 100 | 42 | 71 |
| 19 | 72 | 55 | 64 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 20 | 77 | 55 | 66 | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 21 | 78 | 53 | 66 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 22 | 81 | 52 | 66 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 23 | 73 | 53 | 63 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 24 | 72 | 51 | 62 | 76 | 58 | 67 | 67 | 61 | 64 | 615 | 4 | 0.63 | 0 | | | | | 100 | 48 | 74 |
| 25 | 64 | 55 | 60 | | | | | | | | | | | | | | | 100 | 94 | 97 |
| 26 | 74 | 54 | 64 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 27 | 82 | 57 | 70 | | | | | | | | | | | | | | | 95 | 36 | 66 |
| 28 | 90 | 61 | 76 | | | | | | | | | | | | | | | 75 | 26 | 50 |
| 29 | 81 | 59 | 70 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 30 | 85 | 59 | 72 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 31 | 89 | 59 | 74 | 85 | 58 | 72 | 67 | 60 | 64 | 846 | 5 | 0.17 | 0 | 4 | 5 | | | 95 | 32 | 63 |
| Month | 97 | 49 | 70 | 86 | 56 | 70 | 68 | 60 | 64 | 4262 | 6 | 1.36 | | | | | | 100 | 15 | 61 |
| Month Mean | 83 | 57 | | 83 | 58 | | 67 | 61 | | | | | | | | | | 85 | 37 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month August Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|------|------|--------------|------|------|-------------|---------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Avg. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 93 | 62 | 78 | | | | | | | | | | | | | | | 80 | 33 | 56 |
| 2 | 85 | 64 | 74 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 3 | 89 | 58 | 74 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 4 | 82 | 56 | 69 | | | | | | | | | | | | | | | 100 | 58 | 79 |
| 5 | 84 | 55 | 70 | | | | | | | | | | | | | | | 100 | 55 | 78 |
| 6 | 85 | 57 | 71 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 7 | 86 | 58 | 72 | 84 | 62 | 73 | 70 | 64 | 67 | 1005 | 6 | 0.58 | 0 | | | | | 100 | 31 | 66 |
| 8 | 88 | 56 | 72 | | | | | | | | | | | | | | | 100 | 16 | 58 |
| 9 | 83 | 58 | 70 | | | | | | | | | | | | | | | 80 | 38 | 59 |
| 10 | 88 | 59 | 74 | | | | | | | | | | | | | | | 80 | 30 | 55 |
| 11 | 91 | 60 | 76 | | | | | | | | | | | | | | | 52 | 18 | 35 |
| 12 | 84 | 56 | 70 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 13 | 83 | 55 | 69 | | | | | | | | | | | | | | | 77 | 32 | 54 |
| 14 | 91 | 59 | 75 | | | | | | | | | | | | | | | 62 | 15 | 38 |
| 15 | 85 | 54 | 70 | 88 | 60 | 74 | 71 | 65 | 68 | 1271 | 7 | 0.10 | 0 | | | | | 100 | 33 | 66 |
| 16 | 73 | 51 | 62 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 17 | 83 | 49 | 66 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 18 | 72 | 48 | 60 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 19 | 89 | 59 | 74 | | | | | | | | | | | | | | | 58 | 12 | 35 |
| 20 | 73 | 54 | 64 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 21 | 75 | 53 | 64 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 22 | 83 | 53 | 68 | | | | | | | | | | | | | | | | | |
| 23 | 73 | 47 | 60 | 80 | 56 | 68 | 68 | 62 | 65 | 1070 | 6 | 0.72 | 0 | | | | | 100 | 28 | 64 |
| 24 | 87 | 56 | 72 | | | | | | | | | | | | | | | 100 | 14 | 57 |
| 25 | 87 | 56 | 72 | | | | | | | | | | | | | | | 100 | 23 | 62 |
| 26 | 80 | 56 | 68 | | | | | | | | | | | | | | | 99 | 35 | 67 |
| 27 | 81 | 53 | 67 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 28 | 78 | 52 | 65 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 29 | 75 | 50 | 62 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 30 | 71 | 51 | 61 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 31 | 75 | 50 | 62 | 82 | 55 | 69 | 66 | 60 | 63 | 1214 | 6 | 0.41 | 0 | 3 | 4 | | | 100 | 34 | 67 |
| Month | 93 | 47 | 69 | 88 | 55 | 71 | 71 | 60 | 66 | 4560 | 6 | 1.81 | | | | | | 100 | 12 | 63 |
| Month Mean | 82 | 55 | | 84 | 58 | | 69 | 63 | | | | | | | | | | 93 | 33 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------|------------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 70 | 43 | 59 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 2 | 75 | 45 | 60 | | | | | | | | | | | | | | 70 | 30 | 50 |
| 3 | 81 | 54 | 68 | | | | | | | | | | | | | | 47 | 18 | 32 |
| 4 | 82 | 55 | 68 | | | | | | | | | | | | | | 46 | 14 | 30 |
| 5 | 74 | 51 | 62 | ↓ | | | | ↓ | | | | | | | | | 75 | 24 | 50 |
| 6 | 60 | 46 | 53 | 77 | 52 | 65 | 64 | 58 | 61 | 1002 | 7 | 0.15 | 0 | | | | 100 | 80 | 90 |
| 7 | 74 | 44 | 59 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 8 | 85 | 47 | 66 | | | | | | | | | | | | | | 65 | 12 | 38 |
| 9 | 64 | 41 | 52 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 10 | 58 | 38 | 48 | | | | | | | | | | | | | | 100 | 66 | 83 |
| 11 | 63 | 36 | 50 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 12 | 71 | 45 | 58 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 13 | 53 | 33 | 43 | ↓ | | | ↓ | | ↓ | | | | | | | | 100 | 84 | 92 |
| 14 | 58 | 32 | 45 | 70 | 45 | 58 | 61 | 52 | 56 | 691 | 4 | 1.04 | 0 | | | | 100 | 52 | 76 |
| 15 | 72 | 47 | 60 | | | | | | | | | | | | | | 90 | 33 | 62 |
| 16 | 79 | 47 | 63 | | | | | | | | | | | | | | 84 | 12 | 48 |
| 17 | 79 | 51 | 65 | | | | | | | | | | | | | | 53 | 23 | 38 |
| 18 | 71 | 41 | 56 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 19 | 47 | 38 | 42 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 20 | 49 | 34 | 42 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 21 | 59 | 34 | 46 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 22 | 67 | 33 | 50 | 69 | 42 | 56 | 57 | 50 | 54 | 1055 | 6 | 0.06 | 0 | | | | 95 | 20 | 58 |
| 23 | 75 | 41 | 58 | | | | | | | | | | | | | | 50 | 16 | 33 |
| 24 | 79 | 53 | 66 | | | | | | | | | | | | | | 32 | 16 | 24 |
| 25 | 78 | 50 | 64 | | | | | | | | | | | | | | 44 | 16 | 30 |
| 26 | 68 | 45 | 56 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 27 | 79 | 47 | 63 | | | | | | | | | | | | | | 70 | 18 | 44 |
| 28 | 84 | 55 | 70 | | | | | | | | | | | | | | 35 | 17 | 26 |
| 29 | 84 | 54 | 69 | ↓ | | ↓ | ↓ | ↓ | ↓ | | | | | | | | 40 | 20 | 30 |
| 30 | 81 | 55 | 68 | 71 | 44 | 57 | 60 | 50 | 55 | 1216 | 6 | 0.00 | 0 | 4 | 4 | | 48 | 25 | 36 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 85 | 32 | 58 | 77 | 42 | 59 | 64 | 50 | 56 | 3963 | 6 | 1.25 | | | | | 100 | 12 | 56 |
| Month Mean | 71 | 45 | 58 | 72 | 46 | 56 | 60 | 52 | 56 | | | | | | | | 78 | 33 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4%, at 11-13" = 4%
② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------|------------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 76 | 52 | 64 | | | | | | | | | | | | | | 52 | 28 | 40 |
| 2 | 74 | 55 | 64 | | | | | | | | | | | | | | 48 | 26 | 37 |
| 3 | 76 | 51 | 64 | | | | | | | | | | | | | | 42 | 24 | 33 |
| 4 | 68 | 45 | 56 | | | | | | | | | | | | | | 73 | 32 | 52 |
| 5 | 64 | 37 | 50 | 71 | 48 | 58 | 60 | 55 | 58 | 744 | 6 | 0.00 | 0 | | | | 100 | 51 | 76 |
| 6 | 73 | 45 | 59 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 7 | 57 | 40 | 48 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 8 | 41 | 37 | 39 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 9 | 43 | 32 | 38 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 10 | 64 | 34 | 49 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 11 | 70 | 43 | 56 | | | | | | | | | | | | | | 53 | 16 | 34 |
| 12 | 58 | 39 | 48 | 62 | 42 | 52 | 56 | 51 | 54 | 558 | 3 | 0.28 | 0 | | | | 100 | 53 | 76 |
| 13 | 53 | 37 | 45 | | | | | | | | | | | | | | 100 | 86 | 93 |
| 14 | 48 | 37 | 42 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 15 | 57 | 37 | 47 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 16 | 40 | 35 | 38 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 17 | 55 | 34 | 44 | | | | | | | | | | | | | | 100 | 77 | 88 |
| 18 | 59 | 38 | 48 | ↓ | | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 35 | 68 |
| 19 | 45 | 36 | 40 | 55 | 42 | 48 | 52 | 48 | 50 | 507 | 3 | 1.98 | 0 | | | | 100 | 100 | 100 |
| 20 | 41 | 35 | 38 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 21 | 49 | 35 | 42 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 22 | 52 | 35 | 44 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 23 | 57 | 35 | 46 | | | | | | | | | | | | | | 72 | 32 | 52 |
| 24 | 48 | 25 | 36 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 25 | 35 | 25 | 30 | ↓ | | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 100 | 100 |
| 26 | 47 | 23 | 35 | 48 | 34 | 41 | 48 | 42 | 46 | 631 | 4 | 0.25 | 0 | | | | 100 | 42 | 71 |
| 27 | 54 | 27 | 40 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 28 | 49 | 33 | 41 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 29 | 61 | 30 | 46 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 30 | 66 | 45 | 56 | ↓ | | ↓ | ↓ | ↓ | ↓ | | | | | | | | 58 | 26 | 42 |
| 31 | 68 | 44 | 56 | 46 | 34 | 40 | 44 | 41 | 42 | 627 | 5 | 0.10 | 0 | 9 | 9 | | 68 | 19 | 44 |
| Month | 76 | 23 | 47 | 71 | 34 | 48 | 60 | 41 | 50 | 3067 | 4 | 2.61 | | | | | 100 | 16 | 71 |
| Month Mean | 56 | 37 | 47 | 57 | 40 | 48 | 52 | 47 | 48 | | | | | | | | 89 | 53 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4%, at 11-13" = 4%
② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month November Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|---|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Total | % | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 50 | 30 | 40 | | | | | | | | | | | | | | 100 | 65 | 82 |
| 2 | 30 | 27 | 28 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 3 | 31 | 26 | 28 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 4 | 30 | 25 | 28 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 5 | 32 | 24 | 28 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 6 | 45 | 24 | 34 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 7 | 41 | 23 | 32 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 8 | 25 | 19 | 22 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 9 | 45 | 20 | 32 | 47 | 33 | 40 | 45 | 38 | 42 | 368 | 2 | 0.70 | T | | | 100 | 38 | 69 | |
| 10 | 53 | 28 | 40 | | | | | | | | | | | | | 76 | 22 | 49 | |
| 11 | 51 | 36 | 44 | | | | | | | | | | | | | 64 | 26 | 45 | |
| 12 | 50 | 28 | 39 | | | | | | | | | | | | | 100 | 32 | 66 | |
| 13 | 48 | 27 | 38 | | | | | | | | | | | | | 94 | 31 | 62 | |
| 14 | 50 | 32 | 41 | | | | | | | | | | | | | 100 | 37 | 68 | |
| 15 | 37 | 21 | 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 31 | 66 | |
| 16 | 27 | 22 | 24 | 35 | 32 | 34 | 37 | 36 | 36 | 963 | 6 | 0.10 | T | | | 100 | 76 | 88 | |
| 17 | 30 | 17 | 24 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 18 | 34 | 12 | 23 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 19 | 38 | 18 | 28 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 25 | 09 | 17 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 21 | 27 | 06 | 16 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 22 | 42 | 10 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 63 | 12 | 38 | |
| 23 | 57 | 33 | 43 | 34 | 30 | 32 | 36 | 34 | 35 | 1074 | 6 | 0.50 | 2 | | | 54 | 22 | 38 | |
| 24 | 59 | 32 | 46 | | | | | | | | | | | | | 45 | 25 | 35 | |
| 25 | 60 | 45 | 52 | | | | | | | | | | | | | 100 | 21 | 60 | |
| 26 | 59 | 33 | 46 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 27 | 35 | 21 | 28 | | | | | | | | | | | | | 100 | 12 | 56 | |
| 28 | 38 | 22 | 30 | | | | | | | | | | | | | 100 | 24 | 62 | |
| 29 | 29 | 13 | 21 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 24 | 62 | |
| 30 | 48 | 24 | 36 | 33 | 28 | 30 | 35 | 33 | 34 | 1625 | 10 | 0.00 | T | 5 | 6 | 24 | 08 | 16 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 60 | 06 | 32 | 47 | 28 | 34 | 45 | 33 | 37 | 4030 | 6 | 1.30 | | | | 100 | 08 | 72 | |
| Month Mean | 41 | 24 | | 37 | 37 | | 38 | 35 | | | | | | | | 90 | 53 | | |

Key Thermograph (Bourdon Tube) ① Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge ②
 Snow Stake
 Oven Drying Method ③
 Hygrograph (Hair) ④
 Av. of Max & Min

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month December Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|----|------|-------------------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Total | % | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 53 | 31 | 42 | | | | | | | | | | | | | | 17 | 08 | 12 |
| 2 | 42 | 27 | 34 | | | | | | | | | | | | | | 52 | 08 | 30 |
| 3 | 42 | 27 | 34 | | | | | | | | | | | | | | 46 | 32 | 39 |
| 4 | 61 | 37 | 49 | | | | | | | | | | | | | | 38 | 09 | 24 |
| 5 | 48 | 33 | 40 | | | | | | | | | | | | | | 74 | 15 | 44 |
| 6 | 40 | 27 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 100 | 36 | 68 | |
| 7 | 34 | 18 | 26 | 32 | 24 | 27 | 34 | 32 | 32 | 2095 | 13 | T | T | | | 100 | 49 | 74 | |
| 8 | 50 | 20 | 35 | | | | | | | | | | | | | 80 | 38 | 59 | |
| 9 | 64 | 40 | 52 | | | | | | | | | | | | | 40 | 04 | 22 | |
| 10 | 51 | 12 | 32 | | | | | | | | | | | | | 100 | 05 | 52 | |
| 11 | 55 | 13 | 34 | | | | | | | | | | | | | 100 | 04 | 52 | |
| 12 | 55 | 37 | 46 | | | | | | | | | | | | | 24 | 08 | 16 | |
| 13 | 56 | 37 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 22 | 16 | 19 | |
| 14 | 56 | 41 | 48 | 31 | 24 | 26 | 32 | 31 | 32 | 1532 | 9 | 0.20 | 0 | | | 40 | 16 | 28 | |
| 15 | 47 | 36 | 42 | | | | | | | | | | | | | 71 | 41 | 56 | |
| 16 | 56 | 38 | 47 | | | | | | | | | | | | | 90 | 50 | 70 | |
| 17 | 54 | 31 | 42 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 18 | 48 | 29 | 38 | | | | | | | | | | | | | 73 | 30 | 52 | |
| 19 | 32 | 20 | 26 | | | | | | | | | | | | | 70 | 46 | 58 | |
| 20 | 48 | 31 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 67 | 45 | 56 | |
| 21 | 57 | 34 | 46 | 32 | 24 | 28 | 32 | 31 | 32 | 1657 | 10 | 0.00 | 0 | | | 63 | 34 | 48 | |
| 22 | 52 | 24 | 38 | | | | | | | | | | | | | 66 | 36 | 51 | |
| 23 | 35 | 16 | 26 | | | | | | | | | | | | | 90 | 47 | 68 | |
| 24 | 46 | 23 | 34 | | | | | | | | | | | | | 86 | 46 | 66 | |
| 25 | 41 | 30 | 36 | | | | | | | | | | | | | 70 | 47 | 58 | |
| 26 | 53 | 24 | 38 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 27 | 37 | 14 | 26 | | | | | | | | | | | | | 81 | 32 | 56 | |
| 28 | 43 | 25 | 34 | | | | | | | 1739 | 10 | | 0 | | | 93 | 57 | 75 | |
| 29 | 40 | 25 | 32 | | | | | | | | | | | | | 100 | 51 | 76 | |
| 30 | 31 | 13 | 22 | | | | | | | | | | | | | 100 | 35 | 68 | |
| 31 | 36 | 10 | 23 | 31 | 22 | 26 | 32 | 27 | 30 | 789 | 11 | 0.10 | 0 | 10 | 10 | 72 | 27 | 50 | |
| Month | 64 | 10 | 37 | 32 | 22 | 27 | 34 | 27 | 31 | 7812 | 10 | 0.30 | | | | 100 | 04 | 51 | |
| Month Mean | 47 | 26 | | 31 | 25 | | 32 | 30 | | | | | | | | 72 | 30 | | |

Key Thermograph (Bourdon Tube) ① Av. of Max & Min
 Max & Min Thermometers (Weather Bureau Type)
 Totalizing Anemometer (3-cup)
 8" Rain Gauge ②
 Snow Stake
 Oven Drying Method ③
 Hygrograph (Hair) ④
 Av. of Max & Min

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month January Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|-----------------|--|--------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|--------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 43 | 19 | 31 | | | | | | | | | | | | 72 | 30 | 51 | | |
| 2 | 39 | 24 | 32 | | | | | | | | | | | | 67 | 31 | 49 | | |
| 3 | 33 | 15 | 24 | | | | | | | | | | | | 100 | 60 | 80 | | |
| 4 | 34 | 10 | 22 | | | | | | | | | | | | 100 | 41 | 70 | | |
| 5 | 27 | 17 | 22 | | | | | | | | | | | | 100 | 60 | 80 | | |
| 6 | 35 | 16 | 26 | | | | | | | | | | | | 100 | 22 | 61 | | |
| 7 | 38 | 23 | 30 | | | | | | | | | | | | 100 | 25 | 62 | | |
| 8 | 28 | 18 | 23 | | | | | | | | | | | | 100 | 94 | 97 | | |
| 9 | 24 | 03 | 13 | 28 | 26 | 27 | 30 | 27 | 28 | 1838 | 9 | 0.35 | 7 | | 100 | 38 | 69 | | |
| 10 | 40 | 05 | 22 | | | | | | | | | | | | 68 | 18 | 43 | | |
| 11 | 50 | 25 | 38 | | | | | | | | | | | | 68 | 27 | 48 | | |
| 12 | 40 | 28 | 34 | | | | | | | | | | | | 89 | 51 | 70 | | |
| 13 | 42 | 13 | 28 | | | | | | | | | | | | 100 | 67 | 84 | | |
| 14 | 43 | 12 | 28 | | | | | | | | | | | | 100 | 52 | 76 | | |
| 15 | 27 | -12 | 08 | | | | | | | | | | | | 100 | 43 | 72 | | |
| 16 | 21 | -11 | 05 | | | | | | | | | | | | 100 | 37 | 69 | | |
| 17 | 32 | 06 | 19 | | | | | | | | | | | | 54 | 32 | 43 | | |
| 18 | 38 | 12 | 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | 44 | 24 | 34 | | | |
| 19 | 37 | 15 | 26 | 35 | 26 | 30 | 37 | 27 | 32 | 2571 | 11 | 0.45 | 8 | | 49 | 22 | 36 | | |
| 20 | 43 | 20 | 32 | | | | | | | | | | | | 73 | 31 | 52 | | |
| 21 | 35 | 13 | 24 | | | | | | | | | | | | 100 | 41 | 70 | | |
| 22 | 26 | 03 | 14 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 23 | 31 | 10 | 20 | | | | | | | | | | | | 86 | 29 | 58 | | |
| 24 | 30 | 08 | 19 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 25 | 22 | 05 | 14 | | | | | | | | | | | | 100 | 74 | 87 | | |
| 26 | 17 | -03 | 07 | | | | | | | | | | | | 100 | 83 | 92 | | |
| 27 | 37 | 04 | 20 | | | | | | | | | | | | 100 | 52 | 76 | | |
| 28 | 25 | -01 | 12 | | | | | | | | | | | | 100 | 41 | 70 | | |
| 29 | 23 | -04 | 10 | | | | | | | | | | | | 100 | 33 | 66 | | |
| 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | ↓ | ↓ | ↓ | | |
| 31 | 31 | 06 | 18 | 26 | 23 | 25 | 28 | 23 | 26 | 2329 | 8 | 0.55 | 14 | 5 | 5 | 70 | 40 | 55 | |
| Month | 50 | -12 | 22 | 35 | 23 | 28 | 37 | 23 | 29 | 6738 | 9 | 1.35 | | | 100 | 18 | 65 | | |
| Month Mean | 33 | 10 | | 30 | 25 | | 32 | 26 | | | | | | | 88 | 42 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month February Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|------------------------------|-----------------|--|--------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|--------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 38 | 17 | 28 | | | | | | | | | | | | 100 | 34 | 67 | | |
| 2 | 39 | 21 | 30 | | | | | | | | | | | | 100 | 36 | 68 | | |
| 3 | 32 | 15 | 24 | | | | | | | | | | | | 100 | 34 | 67 | | |
| 4 | 37 | 14 | 26 | | | | | | | | | | | | 60 | 24 | 42 | | |
| 5 | 35 | 15 | 25 | | | | | | | | | | | | 54 | 32 | 43 | | |
| 6 | 44 | 21 | 32 | | | | | | | | | | | | 42 | 26 | 34 | | |
| 7 | 48 | 22 | 35 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | 40 | 20 | 30 | | | |
| 8 | 44 | 30 | 37 | 26 | 22 | 24 | 28 | 24 | 26 | 2605 | 13 | 0.05 | 5 | | 100 | 38 | 69 | | |
| 9 | 37 | 25 | 31 | | | | | | | | | | | | 100 | 44 | 72 | | |
| 10 | 45 | 26 | 36 | | | | | | | | | | | | 50 | 20 | 35 | | |
| 11 | 44 | 27 | 36 | | | | | | | | | | | | 76 | 25 | 50 | | |
| 12 | 49 | 28 | 38 | | | | | | | | | | | | 60 | 32 | 46 | | |
| 13 | 53 | 31 | 42 | | | | | | | | | | | | 54 | 25 | 40 | | |
| 14 | 51 | 32 | 42 | | | | | | | | | | | | 86 | 38 | 62 | | |
| 15 | 41 | 22 | 32 | 31 | 24 | 28 | 30 | 24 | 27 | 1975 | 12 | 0.25 | 12 | | 100 | 62 | 81 | | |
| 16 | 48 | 22 | 35 | | | | | | | | | | | | 100 | 23 | 62 | | |
| 17 | 44 | 23 | 34 | | | | | | | | | | | | 85 | 38 | 62 | | |
| 18 | 42 | 20 | 31 | | | | | | | | | | | | 100 | 64 | 82 | | |
| 19 | 44 | 25 | 34 | | | | | | | | | | | | 89 | 39 | 64 | | |
| 20 | 48 | 25 | 36 | | | | | | | | | | | | 89 | 38 | 64 | | |
| 21 | 33 | 16 | 24 | | | | | | | | | | | | 100 | 60 | 80 | | |
| 22 | 47 | 25 | 36 | 32 | 28 | 30 | 32 | 28 | 30 | 689 | 4 | 0.00 | 12 | | 93 | 30 | 61 | | |
| 23 | 54 | 30 | 42 | | | | | | | | | | | | 74 | 26 | 50 | | |
| 24 | 48 | 37 | 42 | | | | | | | | | | | | 68 | 40 | 54 | | |
| 25 | 46 | 27 | 36 | | | | | | | | | | | | 100 | 41 | 70 | | |
| 26 | 46 | 22 | 34 | | | | | | | | | | | | 100 | 28 | 64 | | |
| 27 | 39 | 26 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | 100 | 48 | 74 | | | |
| 28 | 33 | 17 | 25 | 32 | 30 | 31 | 32 | 30 | 31 | 1010 | 7 | 0.70 | 19 | 10 | 13 | 100 | 93 | 96 | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 54 | 14 | 33 | 32 | 22 | 28 | 32 | 24 | 28 | 6279 | 9 | 1.00 | | | 100 | 20 | 60 | | |
| Month Mean | 43 | 24 | | 30 | 26 | | 30 | 26 | | | | | | | 83 | 38 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month March Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 49 | 14 | 32 | | | | | | | | | | | | 100 | 39 | 70 | | |
| 2 | 47 | 14 | 30 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 3 | 43 | 19 | 31 | | | | | | | | | | | | 100 | 53 | 76 | | |
| 4 | 34 | 15 | 24 | | | | | | | | | | | | 100 | 53 | 76 | | |
| 5 | 40 | 16 | 28 | | | | | | | | | | | | 100 | 48 | 74 | | |
| 6 | 36 | 06 | 21 | | | | | | | | | | | | 100 | 34 | 67 | | |
| 7 | 41 | 17 | 29 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 46 | 73 | | | |
| 8 | 43 | 31 | 37 | 32 | 30 | 31 | 32 | 30 | 31 | 1747 | 9 | 0.20 | 15 | | 100 | 54 | 77 | | |
| 9 | 57 | 33 | 45 | | | | | | | | | | | | 71 | 24 | 48 | | |
| 10 | 45 | 25 | 35 | | | | | | | | | | | | 100 | 43 | 72 | | |
| 11 | 36 | 19 | 28 | | | | | | | | | | | | 100 | 43 | 72 | | |
| 12 | 46 | 29 | 38 | | | | | | | | | | | | 69 | 34 | 52 | | |
| 13 | 34 | 09 | 22 | | | | | | | | | | | | 100 | 44 | 72 | | |
| 14 | 31 | 05 | 18 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 15 | 50 | 19 | 34 | 32 | 28 | 30 | 32 | 30 | 31 | 1051 | 6 | 0.20 | 17 | | 56 | 22 | 39 | | |
| 16 | 48 | 29 | 38 | | | | | | | | | | | | 80 | 30 | 55 | | |
| 17 | 45 | 25 | 35 | | | | | | | | | | | | 100 | 43 | 72 | | |
| 18 | 42 | 20 | 31 | | | | | | | | | | | | 82 | 30 | 56 | | |
| 19 | 52 | 24 | 38 | | | | | | | | | | | | 86 | 48 | 67 | | |
| 20 | 47 | 27 | 37 | | | | | | | | | | | | 89 | 34 | 62 | | |
| 21 | 53 | 26 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 78 | 89 | | | |
| 22 | 32 | 10 | 21 | 32 | 28 | 30 | 32 | 30 | 31 | 729 | 4 | 0.35 | 23 | | 100 | 46 | 73 | | |
| 23 | 21 | 09 | 15 | | | | | | | | | | | | 90 | 28 | 59 | | |
| 24 | 39 | 05 | 22 | | | | | | | | | | | | 90 | 33 | 62 | | |
| 25 | 46 | 12 | 29 | | | | | | | | | | | | 100 | 35 | 68 | | |
| 26 | 39 | 21 | 30 | | | | | | | | | | | | 84 | 36 | 60 | | |
| 27 | 41 | 15 | 28 | | | | | | | | | | | | 100 | 30 | 65 | | |
| 28 | 45 | 25 | 35 | | | | | | | | | | | | 88 | 30 | 49 | | |
| 29 | 52 | 30 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 51 | 76 | | | |
| 30 | 50 | 27 | 38 | 32 | 29 | 30 | 32 | 30 | 31 | 1172 | 6 | 0.00 | 14 | 20 | 14 | 100 | 100 | 100 | |
| 31 | 35 | 26 | 30 | 32 | 28 | 30 | 32 | 30 | 31 | 4699 | 6 | 0.75 | | | | 100 | 22 | 67 | |
| Month Mean | 57 | 05 | 31 | 32 | 28 | 30 | 32 | 30 | 31 | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month April Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 36 | 25 | 30 | | | | | | | | | | | | 100 | 90 | 95 | | |
| 2 | 26 | 12 | 19 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 3 | 33 | 06 | 20 | | | | | | | | | | | | 100 | 70 | 85 | | |
| 4 | 29 | 14 | 22 | | | | | | | | | | | | 100 | 46 | 73 | | |
| 5 | 45 | 14 | 30 | 32 | 32 | 32 | 34 | 32 | 33 | 828 | 8 | 4.80 | 40 | | 70 | 41 | 56 | | |
| 6 | 42 | 14 | 28 | | | | | | | | | | | | 100 | 48 | 74 | | |
| 7 | 20 | 07 | 14 | | | | | | | | | | | | 100 | 83 | 92 | | |
| 8 | 48 | 11 | 30 | | | | | | | | | | | | 95 | 26 | 60 | | |
| 9 | 49 | 23 | 36 | | | | | | | | | | | | 90 | 34 | 62 | | |
| 10 | 49 | 26 | 38 | | | | | | | | | | | | 100 | 35 | 68 | | |
| 11 | 27 | 07 | 17 | | | | | | | | | | | | 100 | 83 | 92 | | |
| 12 | 44 | 07 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 60 | 80 | | | |
| 13 | 50 | 28 | 39 | 33 | 32 | 32 | 33 | 32 | 32 | 1271 | 6 | | | | 100 | 38 | 69 | | |
| 14 | 63 | 26 | 44 | | | | | | | | | 2.00 | 41 | | 100 | 22 | 61 | | |
| 15 | 52 | 33 | 42 | | | | | | | | | | | | 100 | 44 | 72 | | |
| 16 | 49 | 30 | 40 | | | | | | | | | | | | 100 | 56 | 78 | | |
| 17 | 56 | 27 | 42 | | | | | | | | | | | | 100 | 20 | 60 | | |
| 18 | 60 | 31 | 46 | | | | | | | | | | | | 90 | 35 | 62 | | |
| 19 | 45 | 25 | 35 | | | | | | | | | | | | 100 | 42 | 71 | | |
| 20 | 53 | 25 | 39 | | | | | | | | | | | | 100 | 32 | 66 | | |
| 21 | 61 | 32 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 44 | 72 | | | |
| 22 | 54 | 27 | 40 | 38 | 32 | 35 | 34 | 32 | 33 | 1120 | 5 | 0.55 | 23 | | 100 | 50 | 80 | | |
| 23 | 47 | 27 | 37 | | | | | | | | | | | | 100 | 48 | 74 | | |
| 24 | 49 | 30 | 40 | | | | | | | | | | | | 99 | 32 | 66 | | |
| 25 | 41 | 19 | 30 | | | | | | | | | | | | 100 | 59 | 80 | | |
| 26 | 43 | 16 | 30 | | | | | | | | | | | | 100 | 37 | 68 | | |
| 27 | 34 | 19 | 27 | | | | | | | | | | | | 100 | 100 | 100 | | |
| 28 | 41 | 20 | 31 | | | | | | | | | | | | 100 | 69 | 84 | | |
| 29 | 56 | 26 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 45 | 72 | | | |
| 30 | 57 | 33 | 45 | 40 | 32 | 36 | 35 | 32 | 33 | 1026 | 6 | 0.90 | 20 | 14 | 17 | 100 | 30 | 65 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 63 | 06 | 33 | 40 | 32 | 34 | 35 | 32 | 33 | 4244 | 6 | 8.25 | | | 100 | 20 | 75 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|------|-------------------|------|-----|-----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" 11-13" | Max. | Min. | Mean | | |
| 1 | 65 | 36 | 50 | | | | | | | | | | | | | | | | |
| 2 | 65 | 40 | 52 | | | | | | | | | | | | | | | | |
| 3 | 59 | 38 | 48 | | | | | | | | | | | | | | | | |
| 4 | 52 | 34 | 43 | | | | | | | | | | | | | | | | |
| 5 | 44 | 34 | 39 | 45 | 32 | 38 | 39 | 32 | 35 | 424 | 4 | 0.00 | 6 | | | | 100 | 63 | 82 |
| 6 | 64 | 38 | 51 | | | | | | | | | | | | | | 92 | 22 | 57 |
| 7 | 65 | 38 | 52 | | | | | | | | | | | | | | 66 | 21 | 48 |
| 8 | 45 | 31 | 38 | | | | | | | | | | | | | | 100 | 65 | 82 |
| 9 | 41 | 30 | 36 | | | | | | | | | | | | | | 100 | 91 | 96 |
| 10 | 42 | 29 | 36 | 48 | 34 | 41 | 44 | 35 | 40 | 546 | 4 | 2.70 | 2 | | | | 100 | 92 | 96 |
| 11 | 51 | 33 | 42 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 12 | 52 | 31 | 42 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 13 | 46 | 31 | 38 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 14 | 50 | 33 | 42 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 15 | 36 | 26 | 31 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 16 | 37 | 24 | 30 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 17 | 53 | 25 | 39 | 40 | 34 | 37 | 39 | 34 | 36 | 564 | 3 | 3.35 | 8 | | | | 100 | 50 | 75 |
| 18 | 60 | 30 | 45 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 19 | 62 | 36 | 49 | | | | | | | | | | | | | | 99 | 36 | 68 |
| 20 | 43 | 29 | 36 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 21 | 51 | 30 | 40 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 22 | 36 | 27 | 38 | | | | | | | | | | | | | | 100 | 91 | 96 |
| 23 | 47 | 28 | 38 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 24 | 61 | 32 | 46 | 46 | 34 | 40 | 41 | 33 | 37 | 1401 | 8 | 0.10 | 0 | | | | 100 | 24 | 62 |
| 25 | 60 | 33 | 46 | | | | | | | | | | | | | | 93 | 32 | 62 |
| 26 | 62 | 35 | 48 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 27 | 67 | 38 | 52 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 28 | 69 | 40 | 54 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 29 | 69 | 43 | 56 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 30 | 67 | 37 | 52 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 31 | 46 | 36 | 41 | 56 | 38 | 47 | 51 | 38 | 44 | 850 | 5 | 0.30 | 0 | | | | 100 | 82 | 91 |
| Month Mean | 69 | 24 | 43 | 56 | 32 | 40 | 51 | 32 | 38 | 3785 | 5 | 6.45 | | | | | 100 | 22 | 74 |
| Month Mean | 54 | 33 | | 47 | 34 | | 43 | 34 | | | | | | | | | 96 | 52 | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | |
|------------|--------------|------|------|---------------|----|----|--------------|----|----|-------------|--------------|----------------------|-----------------------|-------------------------|------|-------------------|------|-----|-----|--|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" 11-13" | Max. | Min. | Mean | | | |
| 1 | 47 | 35 | 41 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 2 | 69 | 38 | 56 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 3 | 71 | 47 | 59 | | | | | | | | | | | | | | 84 | 44 | 64 | |
| 4 | 73 | 47 | 60 | | | | | | | | | | | | | | 82 | 34 | 58 | |
| 5 | 76 | 48 | 62 | | | | | | | | | | | | | | 90 | 26 | 58 | |
| 6 | 76 | 47 | 62 | | | | | | | | | | | | | | 82 | 28 | 55 | |
| 7 | 75 | 44 | 60 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 8 | 76 | 49 | 62 | 62 | 42 | 52 | 57 | 42 | 50 | 851 | 4 | 0.70 | 0 | | | | 76 | 34 | 55 | |
| 9 | 76 | 52 | 64 | | | | | | | | | | | | | | 48 | 30 | 39 | |
| 10 | 66 | 41 | 54 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 11 | 50 | 40 | 45 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 12 | 68 | 40 | 54 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 13 | 57 | 38 | 48 | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 14 | 62 | 34 | 48 | 62 | 45 | 54 | 57 | 46 | 52 | 1024 | 7 | 0.67 | 0 | | | | 100 | 24 | 62 | |
| 15 | 46 | 37 | 42 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 16 | 54 | 34 | 44 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 17 | 58 | 34 | 46 | | | | | | | | | | | | | | 87 | 34 | 60 | |
| 18 | 66 | 35 | 50 | | | | | | | | | | | | | | 74 | 33 | 54 | |
| 19 | 77 | 45 | 61 | | | | | | | | | | | | | | 73 | 20 | 46 | |
| 20 | 78 | 50 | 64 | | | | | | | | | | | | | | 45 | 18 | 32 | |
| 21 | 62 | 42 | 52 | | | | | | | | | | | | | | 85 | 38 | 62 | |
| 22 | 67 | 38 | 52 | 66 | 44 | 55 | 60 | 45 | 52 | 1243 | 7 | 0.34 | 0 | | | | 100 | 34 | 67 | |
| 23 | 63 | 37 | 50 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 24 | 78 | 40 | 59 | | | | | | | | | | | | | | 100 | 12 | 56 | |
| 25 | 77 | 52 | 64 | | | | | | | | | | | | | | 69 | 21 | 45 | |
| 26 | 75 | 51 | 63 | | | | | | | | | | | | | | 59 | 27 | 43 | |
| 27 | 75 | 49 | 62 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 28 | 82 | 45 | 64 | | | | | | | | | | | | | | 100 | 19 | 60 | |
| 29 | 84 | 56 | 70 | | | | | | | | | | | | | | 64 | 22 | 43 | |
| 30 | 81 | 57 | 69 | 70 | 52 | 61 | 66 | 50 | 58 | 1390 | 7 | 0.00 | 0 | | | | 8 | 10 | 55 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 84 | 34 | 56 | 70 | 42 | 56 | 66 | 42 | 53 | 4508 | 6 | 1.71 | | | | | 100 | 12 | 60 | |
| Month Mean | 69 | 43 | | 65 | 46 | | 60 | 46 | | | | | | | | | 84 | 35 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month September Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-----------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|-----------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 66 | 42 | 54 | | | | | | | | N-D | N-D | | | | | 64 | 32 | 66 |
| 2 | 72 | 43 | 58 | | | | | | | | | | | | | | 100 | 32 | 48 |
| 3 | 77 | 47 | 62 | | | | | | | | | | | | | | 53 | 23 | 38 |
| 4 | 74 | 49 | 62 | | | | | | | | | | | | | | 52 | 25 | 38 |
| 5 | 77 | 46 | 59 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 90 | 30 | 60 |
| 6 | 59 | 42 | 50 | 66 | 50 | 58 | 62 | 53 | 57 | | | 0.53 | 0 | | | | 100 | 66 | 83 |
| 7 | 70 | 41 | 56 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 8 | 76 | 42 | 59 | | | | | | | | | | | | | | 80 | 22 | 51 |
| 9 | 57 | 34 | 46 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 10 | 54 | 33 | 44 | | | | | | | | | | | | | | 100 | 62 | 81 |
| 11 | 58 | 32 | 45 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 12 | 65 | 38 | 52 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 13 | 50 | 29 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 76 | 88 |
| 14 | 56 | 27 | 42 | 62 | 43 | 52 | 58 | 46 | 52 | | | 0.93 | 0 | | | | 100 | 36 | 68 |
| 15 | 66 | 42 | 54 | | | | | | | | | | | | | | 93 | 37 | 65 |
| 16 | 72 | 44 | 58 | | | | | | | | | | | | | | 74 | 21 | 48 |
| 17 | 74 | 48 | 61 | | | | | | | | | | | | | | 58 | 31 | 44 |
| 18 | 64 | 37 | 50 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 19 | 46 | 33 | 40 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 20 | 49 | 31 | 40 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 21 | 50 | 27 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | N-D | N-D | | | | | | 100 | 35 | 68 |
| 22 | 64 | 26 | 45 | 57 | 41 | 49 | 54 | 44 | 49 | 478 | 4 | 0.02 | 0 | | | | 85 | 22 | 54 |
| 23 | 73 | 39 | 56 | | | | | | | | | | | | | | 49 | 23 | 36 |
| 24 | 74 | 47 | 60 | | | | | | | | | | | | | | 37 | 21 | 29 |
| 25 | 73 | 45 | 59 | | | | | | | | | | | | | | 51 | 23 | 37 |
| 26 | 65 | 42 | 54 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 27 | 75 | 43 | 59 | | | | | | | | | | | | | | 60 | N-D | N-D |
| 28 | 78 | 49 | 64 | | | | | | | | | | | | | | 38 | 23 | 30 |
| 29 | 78 | 52 | 65 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 41 | 24 | 32 |
| 30 | 77 | 51 | 64 | 57 | 43 | 50 | 55 | 45 | 50 | 629 | 3 | 0.00 | 0 | 10 | 7 | 50 | 30 | 40 | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 78 | 26 | 53 | 66 | 41 | 52 | 62 | 44 | 52 | 3177 | 4 | 1.48 | | | | | 100 | 21 | 58 |
| Month Mean | 66 | 40 | X | 60 | 44 | X | 57 | 47 | X | | | | | | | | 79 | 36 | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado.

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month October Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-----------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|-----------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 75 | 50 | 62 | | | | | | | | | | | | | | 54 | 33 | 44 |
| 2 | 71 | 49 | 60 | | | | | | | | | | | | | | 52 | 32 | 42 |
| 3 | 72 | 47 | 60 | | | | | | | | | | | | | | 46 | 28 | 37 |
| 4 | 63 | 41 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 35 | 68 |
| 5 | 66 | 32 | 49 | 58 | 46 | 52 | 55 | 48 | 52 | 618 | 5 | 0.00 | 0 | | | | 100 | 36 | 68 |
| 6 | 67 | 43 | 55 | | | | | | | | | | | | | | 73 | 30 | 52 |
| 7 | 60 | 36 | 48 | | | | | | | | | | | | | | 100 | 51 | 76 |
| 8 | 42 | 33 | 38 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 9 | 61 | 31 | 46 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 10 | 63 | 33 | 48 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 11 | 66 | 42 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 62 | 21 | 42 |
| 12 | 61 | 39 | 50 | 52 | 42 | 48 | 52 | 45 | 48 | 429 | 3 | 0.11 | 0 | | | | 100 | 54 | 77 |
| 13 | 46 | 32 | 39 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 14 | 42 | 33 | 38 | | | | | | | | | | | | | | 100 | 66 | 83 |
| 15 | 52 | 32 | 42 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 16 | 38 | 31 | 34 | | | | | | | | | | | | | | 100 | 36 | 68 |
| 17 | 56 | 30 | 43 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 18 | 57 | 34 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 100 | 100 |
| 19 | 40 | 30 | 35 | 50 | 38 | 44 | 48 | 42 | 45 | 491 | 3 | 1.92 | 0 | | | | 100 | 100 | 100 |
| 20 | 37 | 30 | 34 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 21 | 53 | 30 | 42 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 22 | 49 | 28 | 38 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 23 | 51 | 30 | 40 | | | | | | | | | | | | | | 81 | 33 | 57 |
| 24 | 44 | 20 | 32 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 25 | 33 | 20 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 100 | 83 | 92 |
| 26 | 44 | 19 | 32 | 46 | 36 | 42 | 44 | 37 | 40 | 568 | 4 | 0.10 | T | | | | 100 | 42 | 71 |
| 27 | 54 | 22 | 38 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 28 | 50 | 28 | 39 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 29 | 53 | 28 | 40 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 30 | 63 | 39 | 51 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | | 48 | 30 | 39 |
| 31 | 59 | 41 | 50 | 37 | 35 | 36 | 38 | 36 | 37 | 554 | 4 | 0.10 | 0 | 11 | 9 | 65 | 25 | 45 | |
| Month | 75 | 19 | 44 | 58 | 35 | 44 | 55 | 36 | 44 | 2660 | 4 | 2.23 | | | | | 100 | 20 | 68 |
| Month Mean | 54 | 33 | X | 48 | 40 | X | 47 | 42 | X | | | | | | | | 90 | 47 | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado.

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-----------------------|------------------|------|-------------------|------|------|------|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" II-13" | Max. | Min. | Mean | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 42 | 25 | 34 | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 2 | 25 | 22 | 24 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 3 | 28 | 21 | 24 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 4 | 29 | 20 | 24 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 5 | 30 | 21 | 26 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 6 | 38 | 21 | 30 | | | | | | | | | | | | | | 100 | 67 | 84 | |
| 7 | 35 | 20 | 28 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 8 | 24 | 15 | 20 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 9 | 41 | 20 | 30 | 40 | 34 | 36 | 40 | 35 | 38 | 429 | 2 | 0.40 | T | | | 85 | 30 | 58 | | |
| 10 | 49 | 27 | 38 | | | | | | | | | | | | | | 44 | 21 | 32 | |
| 11 | 44 | 29 | 36 | | | | | | | | | | | | | | 68 | 30 | 49 | |
| 12 | 44 | 21 | 32 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 13 | 39 | 21 | 30 | | | | | | | | | | | | | | 97 | 35 | 66 | |
| 14 | 42 | 26 | 34 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 15 | 32 | 13 | 22 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 16 | 23 | 13 | 18 | 34 | 31 | 32 | 36 | 32 | 34 | 968 | 6 | 0.15 | 4 | | | 100 | 97 | 98 | | |
| 17 | 25 | 08 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 18 | 27 | 08 | 18 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 19 | 28 | 12 | 20 | | | | | | | | | | | | | | 68 | 43 | 56 | |
| 20 | 20 | 04 | 12 | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 21 | 18 | 00 | 09 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 22 | 39 | 03 | 21 | | | | | | | | | | | | | | 88 | 18 | 53 | |
| 23 | 55 | 28 | 42 | 32 | 30 | 31 | 33 | 31 | 32 | 1035 | 6 | 0.25 | 3 | | | 74 | 22 | 48 | | |
| 24 | 52 | 26 | 39 | | | | | | | | | | | | | | 62 | 28 | 45 | |
| 25 | 51 | 36 | 43 | | | | | | | | | | | | | | 62 | 34 | 48 | |
| 26 | 52 | 27 | 40 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 27 | 30 | 14 | 22 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 28 | 29 | 15 | 22 | | | | | | | | | | | | | | 90 | 18 | 54 | |
| 29 | 19 | 06 | 12 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 30 | 43 | 20 | 32 | 32 | 26 | 29 | 32 | 28 | 30 | 1803 | 10 | 0.00 | | 2 | 17 | 12 | 30 | 17 | 24 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 55 | 00 | 27 | 40 | 26 | 32 | 40 | 28 | 33 | 4235 | 6 | 0.80 | | | | | 100 | 17 | 68 | |
| Key | 35 | 18 | X | 34 | 30 | X | 35 | 32 | X | | | | | | | | 89 | 48 | X | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture | | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-----------------------|------------------|------|-------------------|------|------|------|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | % Dry Wt. 5-7" II-13" | Max. | Min. | Mean | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 45 | 25 | 35 | | | | | | | | | | | | | | 22 | 15 | 18 | |
| 2 | 34 | 18 | 26 | | | | | | | | | | | | | | 65 | 14 | 40 | |
| 3 | 35 | 18 | 26 | | | | | | | | | | | | | | 60 | 40 | 50 | |
| 4 | 55 | 28 | 42 | | | | | | | | | | | | | | 50 | 16 | 33 | |
| 5 | 40 | 26 | 33 | | | | | | | | | | | | | | 93 | 21 | 57 | |
| 6 | 32 | 20 | 26 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 7 | 28 | 15 | 22 | 29 | 24 | 27 | 30 | 28 | 29 | 2305 | 14 | T | T | | | 100 | 56 | 78 | | |
| 8 | 44 | 21 | 32 | | | | | | | | | | | | | | 73 | 34 | 54 | |
| 9 | 54 | 37 | 46 | | | | | | | | | | | | | | 34 | 10 | 22 | |
| 10 | 45 | 09 | 27 | | | | | | | | | | | | | | 100 | 10 | 55 | |
| 11 | 47 | 21 | 34 | | | | | | | | | | | | | | 20 | 06 | 13 | |
| 12 | 45 | 30 | 38 | | | | | | | | | | | | | | 28 | 11 | 20 | |
| 13 | 52 | 29 | 40 | | | | | | | | | | | | | | 26 | 17 | 22 | |
| 14 | 50 | 33 | 42 | 28 | 23 | 26 | 30 | 26 | 28 | 1777 | 11 | 0.15 | T | | | 43 | 20 | 32 | | |
| 15 | 42 | 32 | 37 | | | | | | | | | | | | | | 66 | 43 | 54 | |
| 16 | 50 | 33 | 42 | | | | | | | | | | | | | | 89 | 46 | 68 | |
| 17 | 46 | 23 | 34 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 18 | 43 | 22 | 32 | | | | | | | | | | | | | | 78 | 28 | 53 | |
| 19 | 24 | 11 | 18 | | | | | | | | | | | | | | 69 | 50 | 60 | |
| 20 | 42 | 20 | 31 | | | | | | | | | | | | | | 75 | 40 | 58 | |
| 21 | 51 | 27 | 39 | 30 | 23 | 26 | 31 | 25 | 28 | 1939 | 12 | 0.00 | T | | | 70 | 33 | 52 | | |
| 22 | 43 | 15 | 29 | | | | | | | | | | | | | | 80 | 38 | 59 | |
| 23 | 31 | 14 | 22 | | | | | | | | | | | | | | 76 | 41 | 58 | |
| 24 | 37 | 22 | 30 | | | | | | | | | | | | | | 95 | 42 | 68 | |
| 25 | 35 | 23 | 29 | | | | | | | | | | | | | | 70 | 48 | 59 | |
| 26 | 46 | 14 | 30 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 27 | 29 | 08 | 18 | | | | | | | | | | | | | | 82 | 32 | 57 | |
| 28 | 34 | 19 | 26 | | | | | | | 2090 | 12 | 0.00 | T | | | 100 | 55 | 78 | | |
| 29 | 31 | 20 | 26 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 30 | 23 | 06 | 14 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 31 | 27 | 04 | 16 | 28 | 19 | 24 | 29 | 22 | 26 | 1125 | 15 | 0.00 | T | | | 70 | 25 | 48 | | |
| Month Mean | 55 | 04 | 30 | 30 | 19 | 26 | 31 | 22 | 28 | 9235 | 12 | 0.15 | | | | 100 | 06 | 52 | | |
| Key | 40 | 21 | X | 29 | 22 | X | 30 | 25 | X | | | | | | | | 72 | 32 | X | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|-------------|----------------------|--------------|-------------|---------------|--------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 39 | 11 | 25 | | | | | | | | | | | | | | 80 | 39 | 60 | |
| 2 | 41 | 17 | 24 | | | | | | | | | | | | | | 100 | 41 | 70 | |
| 3 | 29 | 13 | 21 | | | | | | | | | | | | | | 100 | 73 | 86 | |
| 4 | 25 | 09 | 17 | | | | | | | | | | | | | | 100 | 65 | 82 | |
| 5 | 22 | 14 | 18 | | | | | | | | | | | | | | 100 | 79 | 90 | |
| 6 | 28 | 09 | 18 | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 7 | 29 | 16 | 22 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 8 | 27 | 19 | 23 | | | | | | | | | | | | | | 100 | 77 | 88 | |
| 9 | 22 | 00 | 11 | 30 | 24 | 27 | 31 | 28 | 30 | 25 | 10 | 12 | 0.80 | 31 | N-D | | 100 | 46 | 73 | |
| 10 | 31 | 11 | 21 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 11 | 36 | 21 | 28 | | | | | | | | | | | | | | 100 | 42 | 71 | |
| 12 | 29 | 22 | 26 | | | | | | | | | | | | | | 100 | 79 | 90 | |
| 13 | 31 | 20 | 26 | | | | | | | | | | | | | | 100 | 94 | 97 | |
| 14 | 30 | 15 | 22 | | | | | | | | | | | | | | 100 | 91 | 96 | |
| 15 | 17 | 00 | 08 | | | | | | | | | | | | | | 100 | 84 | 92 | |
| 16 | 13 | -07 | 03 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 17 | 18 | 01 | 10 | | | | | | | | | | | | | | 97 | 47 | 72 | |
| 18 | 27 | -05 | 11 | 30 | 19 | 24 | 30 | 26 | 28 | 33 | 24 | 14 | 0.85 | 34 | N-D | | 86 | 34 | 60 | |
| 19 | 19 | 05 | 12 | 30 | 19 | 24 | 30 | 26 | 28 | 33 | 24 | 14 | 0.85 | 34 | N-D | | 88 | 35 | 62 | |
| 20 | 34 | 16 | 25 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 21 | 24 | 01 | 12 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 22 | 12 | 02 | 07 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 23 | 20 | 10 | 15 | | | | | | | | | | | | | | 93 | 39 | 66 | |
| 24 | 18 | 02 | 10 | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 25 | 12 | 02 | 07 | | | | | | | | | | | | | | 100 | 89 | 94 | |
| 26 | 10 | 03 | 06 | | | | | | | | | | | | | | 100 | 98 | 99 | |
| 27 | 29 | 10 | 20 | | | | | | | | | | | | | | 100 | 72 | 85 | |
| 28 | 17 | -04 | 06 | | | | | | | | | | | | | | | | | |
| 29 | 08 | -06 | 01 | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | 29 | 03 | 16 | 27 | 17 | 22 | 28 | 25 | 26 | 34 | 80 | 12 | 0.90 | 37 | 5 | 5 | 8 | 100 | 83 | 92 |
| Month | 39 | -07 | 16 | 30 | 17 | 24 | 31 | 25 | 28 | 93 | 14 | 12 | 2.55 | | | | | 100 | 25 | 79 |
| Month Mean | 24 | 08 | | 29 | 20 | | 30 | 26 | | | | | | | | | 98 | 60 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|-------------|----------------------|--------------|-------------|---------------|--------|-------------------|-----|------|-----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 29 | 14 | 22 | | | | | | | | | | | | | | 100 | 51 | 76 | |
| 2 | 29 | 11 | 20 | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 3 | 17 | 11 | 14 | | | | | | | | | | | | | | 100 | 67 | 84 | |
| 4 | 25 | 11 | 18 | | | | | | | | | | | | | | 79 | 38 | 58 | |
| 5 | 26 | 11 | 18 | | | | | | | | | | | | | | 73 | 41 | 57 | |
| 6 | 30 | 18 | 24 | | | | | | | | | | | | | | 47 | 39 | 43 | |
| 7 | 37 | 17 | 27 | 30 | 20 | 24 | 28 | 24 | 26 | 30 | 8 | 16 | 0.15 | 30 | N-D | | 43 | 27 | 35 | |
| 8 | 36 | 28 | 32 | 30 | 20 | 24 | 28 | 24 | 26 | 30 | 8 | 16 | 0.15 | 30 | N-D | | 100 | 39 | 70 | |
| 9 | 29 | 20 | 24 | | | | | | | | | | | | | | 100 | 63 | 82 | |
| 10 | 31 | 19 | 25 | | | | | | | | | | | | | | 72 | 26 | 49 | |
| 11 | 33 | 28 | 30 | | | | | | | | | | | | | | 100 | 27 | 64 | |
| 12 | 37 | 27 | 32 | | | | | | | | | | | | | | 89 | 50 | 70 | |
| 13 | 47 | 28 | 38 | | | | | | | | | | | | | | 63 | 29 | 46 | |
| 14 | 44 | 26 | 35 | 35 | 26 | 30 | 31 | 28 | 30 | 24 | 48 | 15 | 0.65 | 40 | N-D | | 100 | 49 | 74 | |
| 15 | 34 | 11 | 22 | 35 | 26 | 30 | 31 | 28 | 30 | 24 | 48 | 15 | 0.65 | 40 | N-D | | 100 | 41 | 70 | |
| 16 | 44 | 10 | 27 | | | | | | | | | | | | | | 99 | 25 | 62 | |
| 17 | 40 | 15 | 28 | | | | | | | | | | | | | | 100 | 49 | 74 | |
| 18 | 39 | 06 | 22 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 19 | 37 | 22 | 30 | | | | | | | | | | | | | | 100 | 39 | 70 | |
| 20 | 36 | 23 | 30 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 21 | 33 | 21 | 27 | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 22 | 37 | 24 | 30 | 34 | 28 | 31 | 32 | 30 | 31 | 16 | 9 | 9 | 0.05 | 30 | N-D | | 100 | 59 | 80 | |
| 23 | 44 | 23 | 34 | 34 | 28 | 31 | 32 | 30 | 31 | 16 | 9 | 9 | 0.05 | 30 | N-D | | 100 | 38 | 69 | |
| 24 | 38 | 27 | 32 | | | | | | | | | | | | | | 100 | 65 | 82 | |
| 25 | 37 | 24 | 30 | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 26 | 37 | 21 | 29 | | | | | | | | | | | | | | 100 | 31 | 66 | |
| 27 | 32 | 24 | 28 | 35 | 31 | 33 | 32 | 30 | 31 | 13 | 11 | 11 | 0.95 | 44 | 10 | 10 | 10 | 100 | 60 | 80 |
| 28 | 25 | 07 | 16 | 35 | 31 | 33 | 32 | 30 | 31 | 13 | 11 | 11 | 0.95 | 44 | 10 | 10 | 10 | 100 | 100 | 100 |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 47 | 06 | 27 | 35 | 20 | 30 | 32 | 24 | 30 | 85 | 23 | 13 | 1.80 | | | | 100 | 25 | 70 | |
| Month Mean | 34 | 19 | | 34 | 26 | | 31 | 28 | | | | | | | | | 92 | 49 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month March Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|--------------------|------------------|-----|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 37 | 01 | 19 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 2 | 39 | -01 | 19 | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 3 | 33 | 15 | 24 | | | | | | | | | | | | | 100 | 64 | 82 | | |
| 4 | 26 | 12 | 19 | | | | | | | | | | | | | 100 | 54 | 77 | | |
| 5 | 27 | 14 | 20 | | | | | | | | | | | | | 100 | 81 | 90 | | |
| 6 | 22 | 02 | 12 | | | | | | | | | | | | | 100 | 68 | 84 | | |
| 7 | 28 | 15 | 22 | | | | | | | | | | | | | 100 | 83 | 92 | | |
| 8 | 32 | 27 | 30 | | | | | | | | | | | | | 100 | 55 | 78 | | |
| 9 | 47 | 32 | 40 | 31 | 29 | 30 | 31 | 30 | 30 | 2252 | 10 | 0.95 | 54 | N-D | | 86 | 35 | 60 | | |
| 10 | 36 | 16 | 26 | | | | | | | | | | | | | 100 | 63 | 82 | | |
| 11 | 26 | 12 | 19 | | | | | | | | | | | | | 100 | 57 | 78 | | |
| 12 | 38 | 24 | 31 | | | | | | | | | | | | | 100 | 45 | 72 | | |
| 13 | 29 | 06 | 18 | | | | | | | | | | | | | 100 | 58 | 79 | | |
| 14 | 20 | 05 | 12 | | | | | | | | | | | | | 100 | 34 | 67 | | |
| 15 | 39 | 16 | 28 | 32 | 22 | 27 | 32 | 28 | 30 | 2364 | 16 | 0.40 | 53 | N-D | | 66 | 28 | 47 | | |
| 16 | 41 | 23 | 32 | | | | | | | | | | | | | 85 | 33 | 59 | | |
| 17 | 33 | 21 | 27 | | | | | | | | | | | | | 100 | 66 | 83 | | |
| 18 | 37 | 14 | 26 | | | | | | | | | | | | | 100 | 39 | 70 | | |
| 19 | 39 | 19 | 29 | | | | | | | | | | | | | 99 | 39 | 69 | | |
| 20 | 39 | 13 | 26 | | | | | | | | | | | | | 100 | 61 | 80 | | |
| 21 | 41 | 18 | 30 | | | | | | | | | | | | | 100 | 46 | 73 | | |
| 22 | 30 | 04 | 17 | | | | | | | | | | | | | 100 | 75 | 88 | | |
| 23 | 15 | 02 | 08 | 32 | 24 | 28 | 33 | 28 | 31 | 1200 | 6 | 0.25 | 58 | N-D | | 100 | 69 | 84 | | |
| 24 | 25 | 01 | 13 | | | | | | | | | | | | | 100 | 39 | 70 | | |
| 25 | 36 | 15 | 26 | | | | | | | | | | | | | 100 | 44 | 72 | | |
| 26 | 28 | 17 | 22 | | | | | | | | | | | | | 100 | 53 | 76 | | |
| 27 | 28 | 11 | 20 | | | | | | | | | | | | | 87 | 54 | 70 | | |
| 28 | 40 | 22 | 31 | | | | | | | | | | | | | 95 | 37 | 66 | | |
| 29 | 43 | 24 | 34 | | | | | | | | | | | | | 86 | 39 | 62 | | |
| 30 | 39 | 20 | 30 | | | | | | | | | | | | | 100 | 63 | 82 | | |
| 31 | 33 | 21 | 27 | 32 | 26 | 29 | 32 | 29 | 30 | 1444 | 8 | 0.45 | 54 | 14 | 10 | 100 | 100 | 100 | | |
| Month Mean | 47 | -01 | 24 | 32 | 22 | 29 | 33 | 28 | 30 | 7260 | 10 | 2.05 | | | | 100 | 28 | 75 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 5% at 11-13" = 9%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month April Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|--------------------|------------------|-----|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 41 | 17 | 29 | | | | | | | | | | | | | 100 | 55 | 78 | | |
| 2 | 21 | 05 | 13 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 3 | 27 | 02 | 14 | | | | | | | | | | | | | 100 | 73 | 86 | | |
| 4 | 17 | 11 | 14 | | | | | | | | | | | | | 100 | 67 | 84 | | |
| 5 | 29 | 12 | 20 | | | | | | | | | | | | | 100 | 77 | 88 | | |
| 6 | 33 | 12 | 22 | 32 | 31 | 32 | 32 | 30 | 30 | 1456 | 10 | 4.30 | 84 | N-D | | 100 | 77 | 88 | | |
| 7 | 14 | 07 | 10 | | | | | | | | | | | | | 100 | 77 | 88 | | |
| 8 | 32 | 12 | 22 | | | | | | | | | | | | | 100 | 45 | 72 | | |
| 9 | 37 | 22 | 30 | | | | | | | | | 0.70 | 76 | 17 | | 100 | 55 | 78 | | |
| 10 | 40 | 26 | 33 | | | | | | | | | | | | | 100 | 49 | 74 | | |
| 11 | 33 | 09 | 21 | | | | | | | | | | | | | 100 | 77 | 88 | | |
| 12 | 36 | 23 | 30 | | | | | | | | | | | | | 100 | 79 | 90 | | |
| 13 | 40 | 26 | 33 | | | | | | | | | | | | | 100 | 55 | 78 | | |
| 14 | 52 | 25 | 38 | 32 | 31 | 32 | 32 | 31 | 32 | | | 1.70 | 70 | N-D | | 100 | 35 | 68 | | |
| 15 | 46 | 30 | 38 | | | | | | | | | | | | | 100 | 58 | 79 | | |
| 16 | 40 | 28 | 34 | | | | | | | | | | | | | 100 | 53 | 76 | | |
| 17 | 48 | 24 | 36 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 18 | 51 | 26 | 38 | | | | | | | | | | | | | 100 | 33 | 66 | | |
| 19 | 32 | 22 | 27 | | | | | | | | | | | | | 100 | 64 | 82 | | |
| 20 | 41 | 17 | 29 | | | | | | | | | | | | | 100 | 41 | 70 | | |
| 21 | 48 | 26 | 37 | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 22 | 47 | 21 | 34 | 34 | 31 | 32 | 32 | 31 | 32 | | | 0.00 | 63 | N-D | | 100 | 61 | 80 | | |
| 23 | 31 | 20 | 26 | | | | | | | | | | | | | 100 | 91 | 96 | | |
| 24 | 39 | 25 | 32 | | | | | | | | | | | | | 100 | 42 | 71 | | |
| 25 | 32 | 15 | 24 | | | | | | | | | | | | | 100 | 61 | 80 | | |
| 26 | 32 | 10 | 21 | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 27 | 27 | 09 | 18 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 28 | 32 | 16 | 24 | | | | | | | | | | | | | 100 | 93 | 96 | | |
| 29 | 46 | 21 | 34 | | | | | | | | | | | | | 100 | 58 | 79 | | |
| 30 | 49 | 26 | 38 | 32 | 32 | 32 | 32 | 32 | 32 | | | 1.15 | 62 | 22 | 15 | 20 | 100 | 38 | 69 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 52 | 02 | 27 | 34 | 31 | 32 | 32 | 30 | 31 | 5675 | 8 | 8.85 | | | | 100 | 30 | 80 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 5% at 11-13" = 9%
- ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000ft. Exposure Ridgetop Month May Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|-----|------|----|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | | Max | Min | Mean | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | |
| 1 | 50 | 28 | 39 | | | | | | | | | | | | | | 83 | 32 | 58 | | |
| 2 | 51 | 27 | 39 | | | | | | | | | | | | | | 100 | 38 | 69 | | |
| 3 | 49 | 29 | 39 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 57 | 78 | | | |
| 4 | 43 | 27 | 35 | 44 | 32 | 38 | 36 | 31 | 33 | 462 | 5 | 0.15 | 53 | N-D | | 100 | 86 | 93 | | | |
| 5 | 46 | 28 | 37 | | | | | | | | | | | | | 100 | 42 | 71 | | | |
| 6 | 52 | 30 | 41 | | | | | | | | | | | | | 100 | 32 | 66 | | | |
| 7 | 51 | 29 | 40 | | | | | | | | | | | | | 86 | 44 | 65 | | | |
| 8 | 39 | 30 | 34 | | | | | | | | | | | | | 100 | 78 | 89 | | | |
| 9 | 37 | 27 | 32 | | | | | | | | | | | | | 100 | 100 | 100 | | | |
| 10 | 44 | 25 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 64 | 82 | | | |
| 11 | 44 | 27 | 36 | 48 | 32 | 40 | 38 | 32 | 35 | 719 | 4 | 3.15 | 50 | N-D | | 100 | 52 | 76 | | | |
| 12 | 41 | 25 | 33 | | | | | | | | | | | | | 100 | 36 | 68 | | | |
| 13 | 37 | 25 | 31 | | | | | | | | | | | | | 100 | 75 | 88 | | | |
| 14 | 41 | 28 | 34 | | | | | | | | | | | | | 100 | 54 | 77 | | | |
| 15 | 29 | 21 | 25 | | | | | | | | | | | | | 100 | 100 | 100 | | | |
| 16 | 27 | 20 | 24 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 89 | 94 | | | |
| 17 | 39 | 24 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 1116 | 8 | 3.10 | 70 | N-D | | 100 | 58 | 79 | | | |
| 18 | 45 | 25 | 35 | | | | | | | | | | | | | 100 | 44 | 72 | | | |
| 19 | 53 | 28 | 40 | | | | | | | | | | | | | 100 | 35 | 68 | | | |
| 20 | 32 | 22 | 27 | | | | | | | | | | | | | 100 | 54 | 77 | | | |
| 21 | 33 | 21 | 27 | | | | | | | | | | | | | 100 | 54 | 77 | | | |
| 22 | 34 | 16 | 25 | | | | | | | | | | | | | 100 | 72 | 86 | | | |
| 23 | 40 | 16 | 28 | | | | | | | | | | | | | 100 | 46 | 73 | | | |
| 24 | 43 | 26 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 38 | 69 | | | |
| 25 | 46 | 26 | 36 | 32 | 32 | 32 | 32 | 32 | 32 | 2290 | 12 | 0.90 | 50 | N-D | | 100 | 42 | 71 | | | |
| 26 | 50 | 30 | 40 | | | | | | | | | | | | | 100 | 40 | 70 | | | |
| 27 | 51 | 29 | 40 | | | | | | | | | | | | | 100 | 35 | 68 | | | |
| 28 | 56 | 30 | 43 | | | | | | | | | | | | | 100 | 34 | 67 | | | |
| 29 | 53 | 29 | 41 | | | | | | | | | | | | | 100 | 32 | 66 | | | |
| 30 | 55 | 29 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 25 | 62 | | | |
| 31 | 41 | 33 | 37 | 50 | 32 | 41 | 40 | 32 | 36 | 845 | 6 | 0.10 | 40 | 19 | 16 | 20 | 100 | 56 | 78 | | |
| Month | 56 | 16 | 35 | 50 | 32 | 37 | 40 | 31 | 34 | 5432 | 7 | 7.30 | | | | | | | 100 | 25 | 76 |
| Month Mean | 44 | 26 | | 42 | 32 | | 36 | 32 | | | | | | | | 99 | 53 | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Station No. C-1 Altitude 10,000ft. Exposure Ridgetop Month June Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|-----------------------|-----|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 42 | 33 | 38 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 2 | 60 | 33 | 46 | | | | | | | | | | | | | | 100 | 33 | 66 | |
| 3 | 60 | 34 | 47 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 4 | 65 | 33 | 49 | | | | | | | | | | | | | | 100 | 30 | 65 | |
| 5 | 66 | 37 | 52 | | | | | | | | | | | | | | 100 | 29 | 64 | |
| 6 | 64 | 40 | 52 | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 7 | 64 | 40 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 38 | 69 | | |
| 8 | 68 | 39 | 54 | 60 | 36 | 48 | 48 | 36 | 42 | 992 | 5 | 1.00 | 18 | N-D | | 100 | 30 | 65 | | |
| 9 | 63 | 37 | 50 | | | | | | | | | | | | | 100 | 33 | 66 | | |
| 10 | 61 | 39 | 50 | | | | | | | | | | | | | 100 | 46 | 73 | | |
| 11 | 48 | 34 | 41 | | | | | | | | | | | | | 100 | 75 | 88 | | |
| 12 | 56 | 34 | 45 | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 13 | 52 | 32 | 42 | | | | | | | | | | | | | 100 | 50 | 75 | | |
| 14 | 51 | 31 | 41 | 58 | 39 | 49 | 50 | 42 | 46 | 1265 | 9 | 1.15 | 13 | N-D | | 100 | 34 | 67 | | |
| 15 | 42 | 33 | 38 | | | | | | | | | | | | | 100 | 96 | 98 | | |
| 16 | 44 | 28 | 36 | | | | | | | | | | | | | 100 | 44 | 72 | | |
| 17 | 45 | 29 | 37 | | | | | | | | | | | | | 100 | 54 | 77 | | |
| 18 | 59 | 29 | 44 | | | | | | | | | | | | | 100 | 24 | 62 | | |
| 19 | 64 | 34 | 49 | | | | | | | | | | | | | 100 | 25 | 63 | | |
| 20 | 68 | 36 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 95 | 25 | 60 | | |
| 21 | 50 | 34 | 42 | 62 | 38 | 50 | 52 | 41 | 46 | 1469 | 8 | 1.00 | 20 | N-D | | 100 | 46 | 73 | | |
| 22 | 53 | 35 | 44 | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 23 | 55 | 31 | 43 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 24 | 64 | 31 | 48 | | | | | | | | | | | | | 100 | 19 | 60 | | |
| 25 | 65 | 44 | 54 | | | | | | | | | | | | | 64 | 28 | 46 | | |
| 26 | 64 | 39 | 52 | | | | | | | | | | | | | 80 | 35 | 58 | | |
| 27 | 62 | 45 | 54 | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 28 | 68 | 40 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | 100 | 25 | 62 | | |
| 29 | 72 | 45 | 58 | 70 | 41 | 56 | 58 | 45 | 51 | 1779 | 8 | 0.14 | 0 | N-D | 8 | 13 | 100 | 28 | 64 | |
| 30 | 65 | 47 | 56 | | | | | | | | | | | | | 100 | 48 | 74 | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 72 | 28 | 47 | 70 | 36 | 50 | 58 | 36 | 46 | 5505 | 8 | 3.29 | | | | 100 | 19 | 69 | | |
| Month Mean | 59 | 36 | | 63 | 38 | | 52 | 41 | | | | | | | | 98 | 41 | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
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Data collected for Front Range Ecology Project
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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 73 | 43 | 58 | | | | | | | | | | | | | | | 78 | 25 | 52 |
| 2 | 75 | 57 | 66 | | | | | | | | | | | | | | | 48 | 26 | 37 |
| 3 | 73 | 49 | 61 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 4 | 67 | 35 | 51 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 5 | 70 | 33 | 52 | 74 | 52 | 63 | 61 | 54 | 58 | 846 | 7 | 0.01 | 0 | N-D | | | | 100 | 25 | 62 |
| 6 | 75 | 50 | 62 | | | | | | | | | | | | | | | 56 | 26 | 41 |
| 7 | 68 | 47 | 58 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 8 | 58 | 44 | 51 | | | | | | | | | | | | | | | 100 | 58 | 79 |
| 9 | 68 | 40 | 54 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 10 | 68 | 41 | 54 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 11 | 70 | 43 | 56 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 12 | 65 | 42 | 54 | 74 | 54 | 64 | 62 | 51 | 56 | 950 | 6 | 0.09 | 0 | N-D | | | | 100 | 57 | 78 |
| 13 | 62 | 42 | 52 | | | | | | | | | | | | | | | 100 | 53 | 76 |
| 14 | 67 | 41 | 54 | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 15 | 71 | 49 | 60 | | | | | | | | | | | | | | | 70 | 29 | 50 |
| 16 | 71 | 43 | 57 | | | | | | | | | | | | | | | 90 | 36 | 63 |
| 17 | 70 | 42 | 56 | | | | | | | | | | | | | | | 100 | 44 | 72 |
| 18 | 62 | 46 | 54 | 70 | 50 | 60 | 60 | 54 | 57 | 807 | 6 | 1.30 | 0 | N-D | | | | 100 | 72 | 86 |
| 19 | 61 | 45 | 53 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 20 | 60 | 44 | 52 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 21 | 62 | 39 | 50 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 22 | 66 | 40 | 53 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 23 | 62 | 44 | 53 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 24 | 59 | 40 | 50 | 64 | 49 | 56 | 58 | 52 | 55 | 568 | 4 | 1.88 | 0 | N-D | | | | 100 | 50 | 75 |
| 25 | 54 | 44 | 49 | | | | | | | | | | | | | | | 100 | 66 | 83 |
| 26 | 62 | 45 | 54 | | | | | | | | | | | | | | | 100 | 56 | 78 |
| 27 | 66 | 50 | 58 | | | | | | | | | | | | | | | 95 | 49 | 72 |
| 28 | 70 | 48 | 59 | | | | | | | | | | | | | | | 96 | 42 | 69 |
| 29 | 67 | 48 | 58 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 30 | 68 | 47 | 58 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 31 | 69 | 44 | 56 | 70 | 50 | 60 | 58 | 52 | 55 | 829 | 5 | 0.21 | 0 | N-D | 12 | 16 | | 100 | 36 | 68 |
| Month Mean | 75 | 33 | 55 | 74 | 49 | 61 | 62 | 51 | 56 | 4001 | 5 | 3.49 | | | | | | 100 | 24 | 69 |
| Month Mean | 66 | 44 | | 70 | 51 | | 60 | 53 | | | | | | | | | | 95 | 43 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-------------------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel mph | | Total Depth | Water Cont. | 5-7" | 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 75 | 46 | 60 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 2 | 70 | 46 | 58 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 3 | 71 | 43 | 57 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 4 | 68 | 44 | 56 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 5 | 67 | 44 | 56 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 6 | 66 | 49 | 58 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 7 | 64 | 47 | 56 | 74 | 50 | 62 | 62 | 56 | 59 | 928 | 6 | 1.00 | 0 | N-D | | | | 100 | 46 | 73 |
| 8 | 66 | 43 | 54 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 9 | 65 | 43 | 54 | | | | | | | | | | | | | | | 100 | 55 | 78 |
| 10 | 69 | 43 | 56 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 11 | 71 | 41 | 56 | | | | | | | | | | | | | | | 96 | 32 | 64 |
| 12 | 66 | 48 | 57 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 13 | 63 | 41 | 52 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 14 | 68 | 39 | 54 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 15 | 67 | 45 | 56 | 76 | 52 | 64 | 62 | 56 | 59 | 999 | 5 | 0.14 | 0 | N-D | | | | 100 | 46 | 73 |
| 16 | 62 | 43 | 52 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 17 | 65 | 39 | 52 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 18 | 66 | 36 | 51 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 19 | 69 | 46 | 58 | | | | | | | | | | | | | | | 100 | 25 | 63 |
| 20 | 60 | 46 | 53 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 21 | 59 | 44 | 52 | | | | | | | | | | | | | | | 100 | 70 | 85 |
| 22 | 64 | 41 | 52 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 23 | 60 | 40 | 50 | 69 | 49 | 59 | 59 | 53 | 56 | 1048 | 5 | 1.15 | 0 | N-D | | | | 100 | 82 | 91 |
| 24 | 58 | 39 | 54 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 25 | 67 | 45 | 56 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 26 | 62 | 43 | 52 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 27 | 61 | 42 | 52 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 28 | 61 | 36 | 48 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 29 | 59 | 36 | 48 | | | | | | | | | | | | | | | 100 | 44 | 72 |
| 30 | 59 | 40 | 50 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 31 | 58 | 41 | 50 | 68 | 47 | 58 | 58 | 50 | 54 | 1079 | 6 | 0.72 | 0 | N-D | 19 | 18 | | 100 | 40 | 70 |
| Month Mean | 75 | 36 | 54 | 76 | 47 | 61 | 62 | 50 | 57 | 4054 | 6 | 3.01 | | | | | | 100 | 22 | 71 |
| Month Mean | 65 | 42 | | 72 | 50 | | 60 | 54 | | | | | | | | | | 100 | 42 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-----------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | 5-7" | | | 11-13" | | | | | |
| 1 | 54 | 35 | 44 | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 2 | 60 | 39 | 50 | | | | | | | | | | | | | 92 | 38 | 65 | | |
| 3 | 63 | 35 | 49 | | | | | | | | | | | | | 100 | 32 | 66 | | |
| 4 | 60 | 39 | 50 | | | | | | | | | | | | | 93 | 33 | 63 | | |
| 5 | 62 | 36 | 49 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 34 | 67 | | | |
| 6 | 57 | 33 | 45 | 64 | 44 | 54 | 54 | 49 | 52 | 831 | 6 | 0.17 | 0 | N-D | 100 | 42 | 71 | | | |
| 7 | 60 | 30 | 45 | | | | | | | | | | | | 100 | 48 | 74 | | | |
| 8 | 68 | 37 | 52 | | | | | | | | | | | | 100 | 27 | 64 | | | |
| 9 | 47 | 29 | 38 | | | | | | | | | | | | 100 | 54 | 77 | | | |
| 10 | 49 | 29 | 39 | | | | | | | | | | | | 100 | 30 | 65 | | | |
| 11 | 52 | 25 | 38 | | | | | | | | | | | | 100 | 22 | 61 | | | |
| 12 | 56 | 30 | 43 | | | | | | | | | | | | 100 | 32 | 66 | | | |
| 13 | 52 | 28 | 40 | | | | | | | | | | | | 100 | 32 | 65 | | | |
| 14 | 45 | 25 | 35 | | | | | | | | | | | | 100 | 44 | 72 | | | |
| 15 | 57 | 31 | 44 | 62 | 38 | 50 | 53 | 43 | 48 | 1364 | 6 | 1.25 | 0 | N-D | 100 | 30 | 65 | | | |
| 16 | 62 | 29 | 46 | | | | | | | | | | | | 100 | 25 | 62 | | | |
| 17 | 62 | 40 | 51 | | | | | | | | | | | | 93 | 36 | 64 | | | |
| 18 | 56 | 33 | 44 | | | | | | | | | | | | 100 | 30 | 65 | | | |
| 19 | 47 | 27 | 37 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 72 | 86 | | | |
| 20 | 42 | 29 | 36 | 56 | 38 | 47 | 48 | 44 | 46 | 796 | 6 | 0.18 | 0 | N-D | 100 | 48 | 74 | | | |
| 21 | 37 | 25 | 31 | | | | | | | | | | | | 100 | 50 | 75 | | | |
| 22 | 55 | 18 | 36 | | | | | | | | | | | | 90 | 18 | 54 | | | |
| 23 | 61 | 27 | 44 | | | | | | | | | | | | 100 | 20 | 60 | | | |
| 24 | 63 | 31 | 47 | | | | | | | | | | | | 96 | 20 | 58 | | | |
| 25 | 60 | 29 | 44 | | | | | | | | | | | | 100 | 31 | 66 | | | |
| 26 | 55 | 28 | 42 | | | | | | | | | | | | 100 | 44 | 72 | | | |
| 27 | 61 | 35 | 48 | | | | | | | | | | | | 78 | 20 | 49 | | | |
| 28 | 66 | 38 | 52 | | | | | | | | | | | | 78 | 28 | 53 | | | |
| 29 | 67 | 34 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 38 | 69 | | | |
| 30 | 66 | 34 | 50 | 60 | 37 | 48 | 50 | 42 | 46 | 1038 | 5 | 0.10 | 0 | N-D | 100 | 34 | 67 | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 68 | 18 | 44 | 64 | 37 | 50 | 54 | 42 | 48 | 4030 | 6 | 1.70 | | | | | | 100 | 18 | 66 |
| Month Mean | 57 | 32 | 44 | 60 | 40 | 52 | 52 | 45 | 48 | | | | | | | 97 | 35 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-----------------------|------------------|-------------------|-----|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | 5-7" | | | 11-13" | | | | | |
| 1 | 64 | 33 | 48 | | | | | | | | | | | | | 100 | 38 | 69 | | |
| 2 | 61 | 34 | 48 | | | | | | | | | | | | | 100 | 34 | 67 | | |
| 3 | 59 | 34 | 46 | | | | | | | | | | | | | 77 | 38 | 58 | | |
| 4 | 52 | 33 | 42 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 40 | 70 | | | |
| 5 | 57 | 27 | 42 | 58 | 41 | 50 | 55 | 46 | 51 | 687 | 6 | 0.05 | 0 | N-D | 100 | 49 | 74 | | | |
| 6 | 57 | 35 | 46 | | | | | | | | | | | | 100 | 40 | 70 | | | |
| 7 | 52 | 33 | 42 | | | | | | | | | | | | 100 | 41 | 70 | | | |
| 8 | 48 | 28 | 38 | | | | | | | | | | | | 100 | 62 | 81 | | | |
| 9 | 55 | 27 | 41 | | | | | | | | | | | | 86 | 16 | 51 | | | |
| 10 | 55 | 26 | 40 | | | | | | | | | | | | 100 | 22 | 61 | | | |
| 11 | 54 | 28 | 41 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 30 | 65 | | | |
| 12 | 54 | 27 | 40 | 53 | 40 | 46 | 48 | 44 | 46 | 665 | 4 | 0.00 | 0 | N-D | 100 | 48 | 74 | | | |
| 13 | 40 | 31 | 36 | | | | | | | | | | | | 100 | 90 | 95 | | | |
| 14 | 35 | 30 | 32 | | | | | | | | | | | | 100 | 81 | 90 | | | |
| 15 | 44 | 30 | 37 | | | | | | | | | | | | 100 | 52 | 76 | | | |
| 16 | 36 | 26 | 31 | | | | | | | | | | | | 100 | 100 | 100 | | | |
| 17 | 44 | 26 | 35 | | | | | | | | | | | | 100 | 46 | 73 | | | |
| 18 | 47 | 26 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 38 | 69 | | | |
| 19 | 38 | 26 | 32 | 51 | 35 | 43 | 46 | 38 | 42 | 616 | 4 | 1.80 | 7 | N-D | 100 | 74 | 87 | | | |
| 20 | 42 | 24 | 33 | | | | | | | | | | | | 100 | 78 | 89 | | | |
| 21 | 46 | 26 | 36 | | | | | | | | | | | | 100 | 38 | 69 | | | |
| 22 | 39 | 23 | 31 | | | | | | | | | | | | 100 | 40 | 70 | | | |
| 23 | 40 | 24 | 32 | | | | | | | | | | | | 91 | 38 | 64 | | | |
| 24 | 34 | 22 | 28 | | | | | | | | | | | | 100 | 44 | 72 | | | |
| 25 | 32 | 12 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 64 | 82 | | | |
| 26 | 38 | 09 | 24 | 41 | 34 | 38 | 39 | 36 | 38 | 954 | 6 | 0.30 | 6 | N-D | 100 | 42 | 71 | | | |
| 27 | 46 | 13 | 30 | | | | | | | | | | | | 100 | 24 | 62 | | | |
| 28 | 34 | 27 | 30 | | | | | | | | | | | | 100 | 74 | 87 | | | |
| 29 | 40 | 25 | 32 | | | | | | | | | | | | 100 | 22 | 61 | | | |
| 30 | 58 | 35 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 44 | 20 | 32 | | | |
| 31 | 48 | 30 | 39 | 41 | 34 | 37 | 36 | 36 | 36 | 1377 | 12 | 0.30 | 5 | N-D | 15 | 14 | 94 | 18 | 56 | |
| Month | 64 | 09 | 37 | 58 | 34 | 43 | 55 | 36 | 42 | 4299 | 6 | 2.45 | | | | | | 100 | 16 | 71 |
| Month Mean | 47 | 27 | 34 | 49 | 37 | 45 | 45 | 40 | 42 | | | | | | 96 | 46 | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|---------------------|------------------|-------------------|-----|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 39 | 22 | 30 | | | | | | | | | | | | | 100 | 58 | 79 | | |
| 2 | 32 | 18 | 20 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 3 | 30 | 15 | 22 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 4 | 35 | 17 | 26 | | | | | | | | | | | | | 100 | 79 | 90 | | |
| 5 | 27 | 13 | 20 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 6 | 34 | 10 | 22 | | | | | | | | | | | | | 100 | 52 | 76 | | |
| 7 | 28 | 12 | 20 | | | | | | | | | | | | | 100 | 54 | 77 | | |
| 8 | 27 | 17 | 22 | | | | | | | | | | | | | 76 | 30 | 53 | | |
| 9 | 36 | 16 | 26 | 40 | 32 | 36 | 38 | 34 | 36 | 1024 | 5 | 0.35 | 6 | N-D | | 62 | 18 | 40 | | |
| 10 | 38 | 21 | 30 | | | | | | | | | | | | | 50 | 26 | 38 | | |
| 11 | 37 | 24 | 30 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 12 | 30 | 13 | 22 | | | | | | | | | | | | | 100 | 46 | 73 | | |
| 13 | 25 | 17 | 21 | | | | | | | | | | | | | 100 | 51 | 76 | | |
| 14 | 33 | 19 | 26 | | | | | | | | | | | | | 100 | 67 | 84 | | |
| 15 | 20 | 03 | 12 | | | | | | | | | | | | | 100 | 57 | 78 | | |
| 16 | 19 | 03 | 11 | 32 | 29 | 30 | 34 | 32 | 34 | 1511 | 9 | 0.20 | 14 | N-D | | 100 | 75 | 88 | | |
| 17 | 21 | 02 | 12 | | | | | | | | | | | | | 100 | 90 | 95 | | |
| 18 | 12 | 05 | 08 | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 19 | 16 | 08 | 12 | | | | | | | | | | | | | 96 | 68 | 82 | | |
| 20 | 12 | 01 | 06 | | | | | | | | | | | | | 100 | 64 | 82 | | |
| 21 | 11 | -13 | -01 | | | | | | | | | | | | | 100 | 38 | 69 | | |
| 22 | 27 | -02 | 12 | | | | | | | | | | | | | 86 | 22 | 54 | | |
| 23 | 42 | 22 | 32 | 31 | 24 | 28 | 32 | 30 | 32 | 1979 | 12 | 0.60 | 14 | N-D | | 80 | 22 | 51 | | |
| 24 | 44 | 15 | 30 | | | | | | | | | | | | | 98 | 24 | 61 | | |
| 25 | 45 | 29 | 37 | | | | | | | | | | | | | 66 | 41 | 54 | | |
| 26 | 41 | 22 | 32 | | | | | | | | | | | | | 93 | 36 | 64 | | |
| 27 | 22 | 10 | 16 | | | | | | | | | | | | | 100 | N-D | N-D | | |
| 28 | 22 | 07 | 14 | | | | | | | | | | | | | 100 | 20 | 60 | | |
| 29 | 13 | 00 | 06 | | | | | | | | | | | | | 100 | 55 | 78 | | |
| 30 | 28 | 11 | 20 | 31 | 20 | 26 | 32 | 28 | 30 | 2745 | 16 | 0.00 | 13 | 3 | 18 | 24 | 56 | 26 | 41 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 45 | -13 | 20 | 40 | 20 | 30 | 38 | 28 | 33 | 7259 | 10 | 1.15 | | | | 100 | 18 | 72 | | |
| Month Mean | 28 | 12 | 20 | 34 | 26 | 30 | 34 | 31 | | | | | | | | 92 | 51 | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5 - 7" = 5%
 at 11 - 13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|---------------------|------------------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 37 | 16 | 26 | | | | | | | | | | | | | 33 | 19 | 26 | |
| 2 | 28 | 11 | 20 | | | | | | | | | | | | | 100 | 19 | 60 | |
| 3 | 26 | 11 | 18 | | | | | | | | | | | | | 100 | 58 | 79 | |
| 4 | 44 | 25 | 34 | | | | | | | | | | | | | 67 | 18 | 42 | |
| 5 | 35 | 20 | 28 | | | | | | | | | | | | | 100 | 24 | 62 | |
| 6 | 21 | 12 | 16 | | | | | | | | | | | | | 100 | 81 | 90 | |
| 7 | 22 | 12 | 17 | 29 | 21 | 25 | 30 | 28 | 28 | 2949 | 18 | 0.40 | 18 | N-D | | 100 | 80 | 90 | |
| 8 | 36 | 15 | 26 | | | | | | | | | | | | | 100 | 38 | 69 | |
| 9 | 47 | 33 | 40 | | | | | | | | | | | | | 40 | 10 | 25 | |
| 10 | 36 | 10 | 23 | | | | | | | | | | | | | 100 | 10 | 55 | |
| 11 | 36 | 28 | 32 | | | | | | | | | | | | | 18 | 06 | 12 | |
| 12 | 33 | 27 | 30 | | | | | | | | | | | | | 36 | 14 | 25 | |
| 13 | 36 | 26 | 31 | | | | | | | | | | | | | 33 | 26 | 30 | |
| 14 | 36 | 26 | 31 | 30 | 24 | 27 | 30 | 28 | 29 | 3490 | 20 | 0.10 | 13 | N-D | | 56 | 24 | 40 | |
| 15 | 41 | 27 | 34 | | | | | | | | | | | | | 100 | 45 | 72 | |
| 16 | 35 | 27 | 31 | | | | | | | | | | | | | 100 | 70 | 85 | |
| 17 | 36 | 16 | 26 | | | | | | | | | | | | | 100 | 50 | 75 | |
| 18 | 26 | 15 | 20 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 19 | 17 | 04 | 10 | | | | | | | | | | | | | 100 | 76 | 88 | |
| 20 | 27 | 14 | 20 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 21 | 37 | 20 | 28 | 30 | 20 | 26 | 30 | 26 | 28 | 2887 | 17 | 0.00 | 14 | N-D | | 87 | 37 | 62 | |
| 22 | 35 | 10 | 22 | | | | | | | | | | | | | 100 | 42 | 71 | |
| 23 | 26 | 07 | 16 | | | | | | | | | | | | | 95 | 34 | 64 | |
| 24 | 27 | 16 | 22 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 25 | 25 | 15 | 20 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 26 | 35 | 07 | 21 | | | | | | | | | | | | | 100 | 31 | 66 | |
| 27 | 17 | 02 | 10 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 28 | 23 | 16 | 20 | | | | | | | 3080 | 18 | 0.15 | 17 | N-D | | 100 | 64 | 82 | |
| 29 | 23 | 17 | 20 | | | | | | | | | | | | | 100 | 75 | 88 | |
| 30 | 20 | 02 | 11 | | | | | | | | | | | | | 100 | 76 | 88 | |
| 31 | 20 | 01 | 10 | 30 | 19 | 24 | 29 | 24 | 27 | 1013 | 14 | 0.25 | 19 | 4 | 10 | 15 | 100 | 32 | 66 |
| Month Mean | 47 | 01 | 23 | 30 | 19 | 26 | 30 | 24 | 28 | 13418 | 18 | 0.90 | | | | 100 | 06 | 63 | |
| Month Mean | 30 | 16 | 23 | 30 | 21 | 26 | 30 | 26 | | | | | | | | 86 | 41 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5 - 7" = 5%
 at 11 - 13" = 9%

Data collected for Front Range Ecology Project
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Data collected for Front Range Ecology Project
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 and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month January Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 29 | 10 | 20 | | | | | | | | | | | | | | | | |
| 2 | 20 | 07 | 14 | | | | | | | | | | | | | | | | |
| 3 | 11 | 08 | 10 | | | | | | | | | | | | | | | | |
| 4 | 12 | 04 | 08 | | | | | | | | | | | | | | | | |
| 5 | 13 | 04 | 08 | | | | | | | | | | | | | | | | |
| 6 | 13 | 01 | 07 | | | | | | | | | | | | | | | | |
| 7 | 15 | 06 | 10 | | | | | | | | | | | | | | | | |
| 8 | 16 | 10 | 13 | | | | | | | | | | | | | | | | |
| 9 | 16 | -12 | 02 | | | | | | | | | | | | | | | | |
| 10 | 17 | 09 | 13 | | | | | | | | | | | | | | | | |
| 11 | 21 | 10 | 16 | | | | | | | | | | | | | | | | |
| 12 | 21 | 12 | 16 | ↓ | | | ↓ | | | | | | | | | | | | |
| 13 | 22 | 10 | 16 | 20 | 13 | 17 | 20 | 16 | 18 | 7000 | 22 | 1.95 | 4 | | | | | | |
| 14 | 20 | 05 | 12 | | | | | | | | | | | | | | | | |
| 15 | 05 | 00 | 02 | | | | | | | | | | | | | | | | |
| 16 | 02 | -11 | -04 | | | | | | | | | | | | | | | | |
| 17 | 06 | -11 | -02 | | | | | | | | | | | | | | | | |
| 18 | 11 | 03 | 07 | ↓ | | | ↓ | | | | | | | | | | | | |
| 19 | 09 | -01 | 04 | 20 | 11 | 15 | 20 | 13 | 16 | 4033 | 28 | 1.20 | 2 | | | | | | |
| 20 | 20 | 04 | 12 | | | | | | | | | | | | | | | | |
| 21 | 09 | -04 | 02 | | | | | | | | | | | | | | | | |
| 22 | 00 | -11 | 06 | | | | | | | | | | | | | | | | |
| 23 | 06 | -01 | 02 | | | | | | | | | | | | | | | | |
| 24 | 06 | -07 | 00 | | | | | | | | | | | | | | | | |
| 25 | 02 | -08 | -03 | | | | | | | | | | | | | | | | |
| 26 | 10 | -05 | 02 | | | | | | | | | | | | | | | | |
| 27 | 17 | 07 | 09 | | | | | | | | | | | | | | | | |
| 28 | 07 | -06 | 00 | | | | | | | | | | | | | | | | |
| 29 | -05 | -09 | -07 | | | | | | | | | | | | | | | | |
| 30 | 02 | -05 | -02 | | | | | | | | | | | | | | | | |
| 31 | 07 | -05 | 01 | 16 | 10 | 13 | 16 | 12 | 14 | 5766 | 20 | 0.70 | 2 | N-D | 44 | 16 | | | |
| Month Mean | 29 | -12 | 06 | 20 | 10 | 15 | 20 | 12 | 16 | 16789 | 22 | 3.85 | | | | | | | |
| Month Mean | 12 | 00 | | 19 | 11 | | 19 | 14 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month February Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 11 | 02 | 06 | | | | | | | | | | | | | | | | |
| 2 | 10 | 03 | 06 | | | | | | | | | | | | | | | | |
| 3 | 05 | -01 | 02 | | | | | | | | | | | | | | | | |
| 4 | 09 | 00 | 04 | | | | | | | | | | | | | | | | |
| 5 | 10 | 01 | 06 | | | | | | | | | | | | | | | | |
| 6 | 14 | 08 | 11 | | | | | | | | | | | | | | | | |
| 7 | 21 | 13 | 17 | | | | | | | | | | | | | | | | |
| 8 | 21 | 13 | 17 | | | | | | | | | | | | | | | | |
| 9 | 21 | 08 | 14 | ↓ | | | ↓ | | | | | | | | | | | | |
| 10 | 18 | 07 | 12 | 17 | 10 | 13 | 17 | 12 | 14 | 4867 | 22 | 1.10 | 6 | | | | | | |
| 11 | 20 | 15 | 18 | | | | | | | | | | | | | | | | |
| 12 | 21 | 14 | 18 | | | | | | | | | | | | | | | | |
| 13 | 29 | 16 | 22 | | | | | | | | | | | | | | | | |
| 14 | 26 | 14 | 20 | | | | | | | | | | | | | | | | |
| 15 | 25 | 12 | 18 | | | | | | | | | | | | | | | | |
| 16 | 31 | 16 | 24 | 20 | 15 | 17 | 20 | 16 | 18 | 3963 | 24 | 0.30 | 4 | | | | | | |
| 17 | 27 | 11 | 19 | | | | | | | | | | | | | | | | |
| 18 | 29 | 11 | 20 | | | | | | | | | | | | | | | | |
| 19 | 22 | 11 | 16 | | | | | | | | | | | | | | | | |
| 20 | 19 | 11 | 15 | | | | | | | | | | | | | | | | |
| 21 | 17 | 13 | 15 | | | | | | | | | | | | | | | | |
| 22 | 19 | 12 | 16 | | | | | | | | | | | | | | | | |
| 23 | 24 | 15 | 20 | ↓ | | | ↓ | | | | | | | | | | | | |
| 24 | 19 | 14 | 16 | 20 | 16 | 18 | 21 | 18 | 20 | 3425 | 20 | 0.25 | 3 | | | | | | |
| 25 | 20 | 13 | 16 | | | | | | | | | | | | | | | | |
| 26 | 19 | 09 | 14 | | | | | | | | | | | | | | | | |
| 27 | 21 | 13 | 17 | ↓ | | | ↓ | | | | | | | | | | | | |
| 28 | 16 | 07 | 12 | 23 | 13 | 20 | 21 | 19 | 20 | 2981 | 25 | 0.35 | 10 | N-D | 39 | 13 | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 31 | -01 | 15 | 23 | 10 | 18 | 21 | 12 | 18 | 15236 | 23 | 2.00 | | | | | | | |
| Month Mean | 19 | 10 | | 20 | 14 | | 20 | 16 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 at 5-7" = 10%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month March Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|------------------------------|--------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | 22 | 07 | 14 | | | | | | | | | | | | | | | | | |
| 2 | 20 | 07 | 14 | | | | | | | | | | | | | | | | | |
| 3 | 16 | 02 | 09 | | | | | | | | | | | | | | | | | |
| 4 | 05 | -01 | 02 | | | | | | | | | | | | | | | | | |
| 5 | 13 | 03 | 08 | | | | | | | | | | | | | | | | | |
| 6 | 05 | 00 | 02 | | | | | | | | | | | | | | | | | |
| 7 | 18 | 04 | 11 | | | | | | | | | | | | | | | | | |
| 8 | 22 | 17 | 19 | | | | | | | | | | | | | | | | | |
| 9 | 30 | 20 | 25 | 22 | 15 | 19 | 22 | 16 | 19 | 4862 | 22 | 1.55 | 3 | | | | | | | |
| 10 | 21 | 05 | 13 | | | | | | | | | | | | | | | | | |
| 11 | 12 | -01 | 06 | | | | | | | | | | | | | | | | | |
| 12 | 21 | 11 | 16 | | | | | | | | | | | | | | | | | |
| 13 | 15 | -06 | 04 | | | | | | | | | | | | | | | | | |
| 14 | 10 | -07 | 01 | | | | | | | | | | | | | | | | | |
| 15 | 22 | 05 | 14 | | | | | | | | | | | | | | | | | |
| 16 | 31 | 17 | 24 | 20 | 13 | 17 | 21 | 16 | 19 | 4242 | 25 | 0.10 | T | | | | | | | |
| 17 | 20 | 08 | 14 | | | | | | | | | | | | | | | | | |
| 18 | 22 | 07 | 14 | | | | | | | | | | | | | | | | | |
| 19 | 28 | 09 | 18 | | | | | | | | | | | | | | | | | |
| 20 | 25 | 12 | 18 | | | | | | | | | | | | | | | | | |
| 21 | 26 | 14 | 20 | | | | | | | | | | | | | | | | | |
| 22 | 19 | -05 | 07 | | | | | | | | | | | | | | | | | |
| 23 | 03 | -07 | -02 | 23 | 15 | 19 | 22 | 17 | 20 | 2540 | 15 | 0.15 | 3 | | | | | | | |
| 24 | 09 | -08 | 00 | | | | | | | | | | | | | | | | | |
| 25 | 19 | 02 | 10 | | | | | | | | | | | | | | | | | |
| 26 | 10 | 04 | 07 | | | | | | | | | | | | | | | | | |
| 27 | 11 | -01 | 05 | | | | | | | | | | | | | | | | | |
| 28 | 22 | 09 | 22 | | | | | | | | | | | | | | | | | |
| 29 | 28 | 15 | 22 | | | | | | | | | | | | | | | | | |
| 30 | 30 | 15 | 22 | | | | | | | | | | | | | | | | | |
| 31 | 25 | 15 | 20 | 25 | 14 | 20 | 24 | 16 | 20 | 3690 | 20 | 0.50 | 6 | N-D | 45 | 17 | N-D | N-D | N-D | |
| Month Mean | 31 | -08 | 12 | 25 | 13 | 19 | 24 | 16 | 19 | 15334 | 21 | 2.30 | | | | | | | | |
| Month Mean | 19 | 06 | | 22 | 14 | | 22 | 17 | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month April Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|------------------------------|--------------------|------|--|----|----|--------------|----|----|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| 1 | 21 | 11 | 16 | | | | | | | | | | | | | | | | | |
| 2 | 12 | 01 | 06 | | | | | | | | | | | | | | | | | |
| 3 | 14 | 03 | 08 | | | | | | | | | | | | | | | | | |
| 4 | 04 | 00 | 02 | | | | | | | | | | | | | | | | | |
| 5 | 18 | 00 | 09 | | | | | | | | | | | | | | | | | |
| 6 | 20 | 00 | 10 | 25 | 20 | 22 | 24 | 20 | 22 | 3457 | 23 | 1.65 | 5 | | | | | | | |
| 7 | 10 | -04 | 03 | | | | | | | | | | | | | | | | | |
| 8 | 16 | 01 | 08 | | | | | | | | | | | | | | | | | |
| 9 | 19 | 11 | 15 | | | | | | | | | | | | | | | | | |
| 10 | 23 | 15 | 19 | | | | | | | | | | | | | | | | | |
| 11 | 20 | 17 | 18 | | | | | | | | | | | | | | | | | |
| 12 | 22 | 18 | 20 | | | | | | | | | | | | | | | | | |
| 13 | 24 | 19 | 22 | | | | | | | | | | | | | | | | | |
| 14 | 34 | 22 | 38 | 22 | 18 | 20 | 22 | 18 | 20 | 3742 | 20 | 1.55 | 15 | | | | | | | |
| 15 | 27 | 19 | 23 | | | | | | | | | | | | | | | | | |
| 16 | 26 | 16 | 21 | | | | | | | | | | | | | | | | | |
| 17 | 32 | 19 | 25 | | | | | | | | | | | | | | | | | |
| 18 | 39 | 14 | 26 | | | | | | | | | | | | | | | | | |
| 19 | 16 | 10 | 13 | | | | | | | | | | | | | | | | | |
| 20 | 25 | 13 | 19 | | | | | | | | | | | | | | | | | |
| 21 | 35 | 22 | 28 | | | | | | | | | | | | | | | | | |
| 22 | 29 | 09 | 19 | 23 | 20 | 22 | 23 | 21 | 22 | 3306 | 17 | 1.60 | 13 | | | | | | | |
| 23 | 17 | 07 | 12 | | | | | | | | | | | | | | | | | |
| 24 | 19 | 10 | 14 | | | | | | | | | | | | | | | | | |
| 25 | 17 | 03 | 10 | | | | | | | | | | | | | | | | | |
| 26 | 18 | 02 | 10 | | | | | | | | | | | | | | | | | |
| 27 | 17 | 07 | 12 | | | | | | | | | | | | | | | | | |
| 28 | 23 | 08 | 16 | | | | | | | | | | | | | | | | | |
| 29 | 33 | 18 | 26 | | | | | | | | | | | | | | | | | |
| 30 | 36 | 19 | 26 | 23 | 21 | 22 | 24 | 21 | 22 | 3432 | 18 | 1.00 | 12 | N-D | 36 | N-D | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 39 | -04 | 16 | 25 | 18 | 21 | 24 | 18 | 22 | 13937 | 19 | 4.80 | | | | | | | | |
| Month Mean | 22 | 10 | | 23 | 20 | | 23 | 20 | | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ① | Av. of Max. & Min. | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
② Rim of gauge 40 inches above ground at 5-7" = 10%

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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month May Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|-------------|------|------|--------------|------|------|--------------|------|------|-------------|--------------|----------------------|----------------------|------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 41 | 22 | 32 | | | | | | | | | | | | | | | | |
| 2 | 45 | 27 | 36 | | | | | | | | | | | | | | | | |
| 3 | 49 | 26 | 38 | | | | | | | | | | | | | | | | |
| 4 | 46 | 25 | 36 | 28 | 16 | 22 | 26 | 22 | 24 | 941 | 9 | 0.20 | 6 | | | | | | |
| 5 | 42 | 24 | 33 | | | | | | | | | | | | | | | | |
| 6 | 40 | 25 | 32 | | | | | | | | | | | | | | | | |
| 7 | 44 | 28 | 36 | | | | | | | | | | | | | | | | |
| 8 | 32 | 25 | 28 | | | | | | | | | | | | | | | | |
| 9 | 33 | 23 | 28 | | | | | | | | | | | | | | | | |
| 10 | 33 | 25 | 29 | | | | | | | | | | | | | | | | |
| 11 | 34 | 18 | 26 | 30 | 21 | 25 | 29 | 26 | 28 | 1684 | 10 | 1.85 | 18 | | | | | | |
| 12 | 28 | 16 | 22 | | | | | | | | | | | | | | | | |
| 13 | 24 | 19 | 22 | | | | | | | | | | | | | | | | |
| 14 | 33 | 20 | 27 | | | | | | | | | | | | | | | | |
| 15 | 24 | 15 | 20 | | | | | | | | | | | | | | | | |
| 16 | 24 | 14 | 19 | | | | | | | | | | | | | | | | |
| 17 | 30 | 17 | 24 | | | | | | | | | | | | | | | | |
| 18 | 31 | 22 | 26 | 30 | 22 | 26 | 29 | 28 | 28 | 2704 | 16 | 2.00 | 25 | | | | | | |
| 19 | 38 | 20 | 29 | | | | | | | | | | | | | | | | |
| 20 | 20 | 14 | 17 | | | | | | | | | | | | | | | | |
| 21 | 20 | 13 | 16 | | | | | | | | | | | | | | | | |
| 22 | 26 | 14 | 21 | | | | | | | | | | | | | | | | |
| 23 | 30 | 18 | 24 | | | | | | | | | | | | | | | | |
| 24 | 31 | 17 | 24 | | | | | | | | | | | | | | | | |
| 25 | 29 | 17 | 23 | | | | | | | | | | | | | | | | |
| 26 | 38 | 21 | 30 | 28 | 22 | 25 | 28 | 27 | 28 | 4516 | 23 | 1.05 | 20 | | | | | | |
| 27 | 45 | 26 | 36 | | | | | | | | | | | | | | | | |
| 28 | 52 | 28 | 40 | | | | | | | | | | | | | | | | |
| 29 | 48 | 30 | 39 | | | | | | | | | | | | | | | | |
| 30 | 53 | 30 | 42 | | | | | | | | | | | | | | | | |
| 31 | 34 | 26 | 30 | 30 | 22 | 26 | 30 | 27 | 28 | 983 | 8 | 0.00 | 17 | N-D | N-D | N-D | | | |
| Month Mean | 53 | 13 | 28 | 30 | 16 | 25 | 30 | 22 | 27 | 10828 | 14 | 5.10 | | | | | | | |
| Month Mean | 35 | 21 | 28 | 29 | 21 | 28 | 28 | 26 | | | | | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month June Year 1957
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|-------------|------|------|--------------|------|------|--------------|------|------|-------------|--------------|----------------------|----------------------|------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 33 | 26 | 30 | | | | | | | | | | | | | | | | |
| 2 | 55 | 31 | 43 | | | | | | | | | | | | | | | | |
| 3 | 54 | 35 | 44 | | | | | | | | | | | | | | | | |
| 4 | 55 | 35 | 45 | | | | | | | | | | | | | | | | |
| 5 | 57 | 38 | 48 | | | | | | | | | | | | | | | | |
| 6 | 49 | 36 | 42 | | | | | | | | | | | | | | | | |
| 7 | 48 | 34 | 41 | | | | | | | | | | | | | | | | |
| 8 | 55 | 39 | 47 | 32 | 24 | 28 | 32 | 29 | 30 | 2015 | 10 | 0.15 | 3 | | | | | | |
| 9 | 50 | 35 | 42 | | | | | | | | | | | | | | | | |
| 10 | 44 | 31 | 38 | | | | | | | | | | | | | | | | |
| 11 | 39 | 29 | 34 | | | | | | | | | | | | | | | | |
| 12 | 40 | 30 | 35 | | | | | | | | | | | | | | | | |
| 13 | 39 | 23 | 32 | | | | | | | | | | | | | | | | |
| 14 | 37 | 20 | 28 | 32 | 26 | 29 | 32 | 31 | 32 | 2280 | 16 | 0.80 | 3 | | | | | | |
| 15 | 36 | 25 | 30 | | | | | | | | | | | | | | | | |
| 16 | 28 | 20 | 24 | | | | | | | | | | | | | | | | |
| 17 | 30 | 20 | 25 | | | | | | | | | | | | | | | | |
| 18 | 45 | 25 | 35 | | | | | | | | | | | | | | | | |
| 19 | 50 | 36 | 43 | | | | | | | | | | | | | | | | |
| 20 | 53 | 35 | 44 | | | | | | | | | | | | | | | | |
| 21 | 35 | 25 | 30 | 37 | 32 | 34 | 32 | 27 | 30 | 3136 | 19 | 0.85 | T | | | | | | |
| 22 | 37 | 26 | 32 | | | | | | | | | | | | | | | | |
| 23 | 42 | 27 | 34 | | | | | | | | | | | | | | | | |
| 24 | 50 | 35 | 42 | | | | | | | | | | | | | | | | |
| 25 | 51 | 39 | 45 | | | | | | | | | | | | | | | | |
| 26 | 49 | 36 | 42 | | | | | | | | | | | | | | | | |
| 27 | 47 | 35 | 41 | | | | | | | | | | | | | | | | |
| 28 | 55 | 40 | 48 | | | | | | | | | | | | | | | | |
| 29 | 59 | 41 | 50 | | | | | | | | | | | | | | | | |
| 30 | 51 | 41 | 46 | 44 | 32 | 38 | 37 | 27 | 32 | 5114 | 24 | 0.40 | 0 | N-D | 29 | N-D | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 59 | 20 | 39 | 44 | 24 | 32 | 37 | 27 | 31 | 12545 | 17 | 2.20 | | | | | | | |
| Month Mean | 46 | 32 | 36 | 36 | 28 | 33 | 33 | 28 | | | | | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground at 5-7" = 10%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month July Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|-------------|------|------|--------------|------|------|--------------|------|------|-------------|--------------|----------------------|----------------------|-------------------------|------|--------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 58 | 42 | 50 | | | | | | | | | | | | | | | 76 | 32 | 54 |
| 2 | 60 | 45 | 52 | | | | | | | | | | | | | | | 52 | 29 | 40 |
| 3 | 58 | 39 | 48 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 4 | 51 | 35 | 43 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 5 | 56 | 41 | 48 | 46 | 34 | 40 | 40 | 32 | 36 | 2205 | 18 | 0.10 | 0 | | | | 50 | 34 | 42 | |
| 6 | 61 | 44 | 52 | | | | | | | | | | | | | | 64 | 35 | 50 | |
| 7 | 51 | 35 | 43 | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 8 | 47 | 37 | 42 | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 9 | 54 | 39 | 46 | | | | | | | | | | | | | | 78 | 32 | 55 | |
| 10 | 54 | 42 | 48 | | | | | | | | | | | | | | 100 | 47 | 74 | |
| 11 | 55 | 40 | 48 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 12 | 49 | 37 | 43 | 48 | 40 | 44 | 42 | 34 | 38 | 1906 | 11 | 0.05 | 0 | | | | 100 | 67 | 84 | |
| 13 | 52 | 38 | 45 | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 14 | 52 | 39 | 46 | | | | | | | | | | | | | | 90 | 44 | 67 | |
| 15 | 57 | 43 | 50 | | | | | | | | | | | | | | 60 | 30 | 45 | |
| 16 | 57 | 44 | 50 | | | | | | | | | | | | | | 86 | 38 | 62 | |
| 17 | 57 | 37 | 47 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 18 | 50 | 38 | 44 | 51 | 42 | 46 | 46 | 37 | 41 | 1310 | 9 | 0.60 | 0 | | | | 100 | 70 | 85 | |
| 19 | 48 | 38 | 43 | | | | | | | | | | | | | | 100 | 71 | 86 | |
| 20 | 47 | 36 | 46 | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 21 | 51 | 37 | 44 | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 22 | 54 | 39 | 46 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 23 | 49 | 34 | 42 | | | | | | | | | | | | | | 100 | 57 | 78 | |
| 24 | 49 | 35 | 42 | 50 | 40 | 45 | 45 | 38 | 42 | 1114 | 8 | 0.45 | 0 | | | | 100 | 56 | 78 | |
| 25 | 44 | 35 | 40 | | | | | | | | | | | | | | 100 | 68 | 84 | |
| 26 | 47 | 38 | 42 | | | | | | | | | | | | | | 100 | 68 | 84 | |
| 27 | 49 | 39 | 44 | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 28 | 59 | 39 | 49 | | | | | | | | | | | | | | 98 | 41 | 70 | |
| 29 | 53 | 42 | 48 | | | | | | | | | | | | | | 100 | 64 | 82 | |
| 30 | 56 | 41 | 48 | | | | | | | | | | | | | | 100 | 57 | 78 | |
| 31 | 55 | 43 | 49 | 53 | 42 | 48 | 46 | 38 | 42 | 1426 | 8 | 0.35 | 0 | N-D | 39 | 19 | 86 | 48 | 67 | |
| Month | 61 | 34 | 46 | 53 | 34 | 45 | 46 | 32 | 40 | 7961 | 11 | 1.55 | | | | | 100 | 29 | 71 | |
| Month Mean | 53 | 39 | | 50 | 40 | | 44 | 36 | | | | | | | | | 92 | 50 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month August Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|-------------|------|------|--------------|------|------|--------------|------|------|-------------|--------------|----------------------|----------------------|-------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 61 | 46 | 54 | | | | | | | | | | | | | | 80 | 40 | 60 |
| 2 | 58 | 42 | 50 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 3 | 59 | 41 | 50 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 4 | 55 | 41 | 48 | | | | | | | | | | | | | | 100 | 47 | 74 |
| 5 | 55 | 40 | 48 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 6 | 50 | 39 | 44 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 7 | 55 | 38 | 46 | 55 | 46 | 50 | 47 | 42 | 44 | 1834 | 11 | 0.75 | 0 | | | | 100 | 65 | 82 |
| 8 | 53 | 33 | 43 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 9 | 53 | 40 | 46 | | | | | | | | | | | | | | 99 | 56 | 78 |
| 10 | 58 | 42 | 50 | | | | | | | | | | | | | | 84 | 26 | 55 |
| 11 | 56 | 42 | 49 | | | | | | | | | | | | | | 81 | 38 | 60 |
| 12 | 53 | 39 | 46 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 13 | 54 | 39 | 46 | | | | | | | | | | | | | | 92 | 46 | 69 |
| 14 | 55 | 41 | 48 | | | | | | | | | | | | | | 70 | 45 | 58 |
| 15 | 54 | 39 | 46 | 54 | 44 | 49 | 48 | 42 | 45 | 1630 | 8 | 0.55 | 0 | | | | 100 | 60 | 80 |
| 16 | 52 | 37 | 44 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 17 | 51 | 33 | 42 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 18 | 53 | 34 | 44 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 19 | 55 | 37 | 46 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 20 | 45 | 34 | 40 | | | | | | | | | | | | | | 100 | 57 | 78 |
| 21 | 48 | 39 | 44 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 22 | 50 | 38 | 44 | | | | | | | | | | | | | | 100 | 62 | 81 |
| 23 | 50 | 37 | 44 | 53 | 43 | 48 | 48 | 42 | 45 | 2141 | 11 | 1.30 | 0 | | | | 100 | 56 | 78 |
| 24 | 54 | 39 | 46 | | | | | | | | | | | | | | 60 | 36 | 48 |
| 25 | 57 | 38 | 48 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 26 | 47 | 36 | 42 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 27 | 48 | 35 | 42 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 28 | 48 | 34 | 41 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 29 | 46 | 33 | 40 | | | | | | | | | | | | | | 100 | 66 | 83 |
| 30 | 47 | 30 | 38 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 31 | 47 | 32 | 40 | 52 | 40 | 46 | 47 | 40 | 44 | 0.55 | 13 | .55 | 0 | N-D | 24 | 21 | 100 | 60 | 80 |
| Month | 61 | 30 | 45 | 55 | 40 | 48 | 48 | 40 | 44 | 8102 | 11 | 3.15 | | | | | 100 | 26 | 73 |
| Month Mean | 52 | 38 | | 53 | 43 | | 47 | 41 | | | | | | | | | 96 | 50 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 5-7" = 10%

Data collected for Front Range Ecology Project
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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month September Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 38 | 27 | 32 | | | | | | | | | | | | | | | | |
| 2 | 44 | 30 | 37 | | | | | | | | | | | | | | | | |
| 3 | 49 | 33 | 41 | | | | | | | | | | | | | | | | |
| 4 | 47 | 35 | 41 | | | | | | | | | | | | | | | | |
| 5 | 49 | 34 | 42 | | | | | | | | | | | | | | | | |
| 6 | 46 | 32 | 39 | 47 | 38 | 42 | 44 | 36 | 40 | 2193 | 15 | 0.05 | 0 | | | | | | |
| 7 | 46 | 34 | 40 | | | | | | | | | | | | | | | | |
| 8 | 52 | 26 | 39 | | | | | | | | | | | | | | | | |
| 9 | 38 | 25 | 32 | | | | | | | | | | | | | | | | |
| 10 | 37 | 22 | 30 | | | | | | | | | | | | | | | | |
| 11 | 37 | 22 | 30 | | | | | | | | | | | | | | | | |
| 12 | 48 | 28 | 38 | | | | | | | | | | | | | | | | |
| 13 | 38 | 23 | 30 | | | | | | | | | | | | | | | | |
| 14 | 30 | 19 | 24 | 46 | 37 | 42 | 43 | 38 | 40 | 3145 | 16 | 0.55 | 4 | | | | | | |
| 15 | 44 | 27 | 36 | | | | | | | | | | | | | | | | |
| 16 | 44 | 34 | 39 | | | | | | | | | | | | | | | | |
| 17 | 47 | 33 | 40 | | | | | | | | | | | | | | | | |
| 18 | 41 | 26 | 34 | | | | | | | | | | | | | | | | |
| 19 | 37 | 25 | 31 | | | | | | | | | | | | | | | | |
| 20 | 26 | 18 | 22 | | | | | | | | | | | | | | | | |
| 21 | 22 | 15 | 18 | | | | | | | | | | | | | | | | |
| 22 | 36 | 15 | 26 | 42 | 33 | 38 | 40 | 33 | 36 | 2875 | 15 | 0.00 | 2 | | | | | | |
| 23 | 46 | 29 | 38 | | | | | | | | | | | | | | | | |
| 24 | 47 | 33 | 40 | | | | | | | | | | | | | | | | |
| 25 | 47 | 30 | 38 | | | | | | | | | | | | | | | | |
| 26 | 42 | 30 | 36 | | | | | | | | | | | | | | | | |
| 27 | 49 | 33 | 41 | | | | | | | | | | | | | | | | |
| 28 | 53 | 37 | 45 | | | | | | | | | | | | | | | | |
| 29 | 56 | 39 | 48 | | | | | | | | | | | | | | | | |
| 30 | 52 | 38 | 45 | 44 | 33 | 38 | 40 | 33 | 36 | 1750 | 9 | 0.10 | 0 | N-D | 33 | 13 | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 56 | 15 | 36 | 47 | 33 | 40 | 44 | 33 | 38 | 9963 | 14 | 0.70 | | | | | 100 | 19 | 62 |
| Month Mean | 43 | 28 | 36 | 45 | 35 | 40 | 42 | 35 | | | | | | | | | | 83 | 41 |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydograph (Hair) ④ | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month October Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|-------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 49 | 35 | 42 | | | | | | | | | | | | | | | | |
| 2 | 47 | 35 | 41 | | | | | | | | | | | | | | | | |
| 3 | 45 | 30 | 38 | | | | | | | | | | | | | | | | |
| 4 | 35 | 23 | 29 | | | | | | | | | | | | | | | | |
| 5 | 45 | 28 | 36 | 48 | 35 | 42 | 40 | 36 | 38 | 1341 | 11 | | 0 | | | | | | |
| 6 | 45 | 30 | 38 | | | | | | | | | | | | | | | | |
| 7 | 40 | 25 | 32 | | | | | | | | | | | | | | | | |
| 8 | 42 | 25 | 34 | | | | | | | | | | | | | | | | |
| 9 | 42 | 28 | 35 | | | | | | | | | | | | | | | | |
| 10 | 41 | 29 | 35 | | | | | | | | | | | | | | | | |
| 11 | 45 | 30 | 38 | | | | | | | | | | | | | | | | |
| 12 | 41 | 26 | 34 | 40 | 34 | 37 | 38 | 36 | 37 | 1778 | 11 | 0.10 | 0 | | | | | | |
| 13 | 30 | 22 | 26 | | | | | | | | | | | | | | | | |
| 14 | 24 | 21 | 22 | | | | | | | | | | | | | | | | |
| 15 | 27 | 22 | 24 | | | | | | | | | | | | | | | | |
| 16 | 32 | 21 | 26 | | | | | | | | | | | | | | | | |
| 17 | 26 | 23 | 24 | | | | | | | | | | | | | | | | |
| 18 | 33 | 23 | 28 | | | | | | | | | | | | | | | | |
| 19 | 32 | 22 | 27 | 38 | 32 | 35 | 37 | 32 | 35 | 2062 | 12 | 1.90 | 2 | | | | | | |
| 20 | 33 | 21 | 27 | | | | | | | | | | | | | | | | |
| 21 | 31 | 20 | 26 | | | | | | | | | | | | | | | | |
| 22 | 25 | 14 | 20 | | | | | | | | | | | | | | | | |
| 23 | 24 | 14 | 19 | | | | | | | | | | | | | | | | |
| 24 | 22 | 14 | 18 | | | | | | | | | | | | | | | | |
| 25 | 18 | 12 | 15 | | | | | | | | | | | | | | | | |
| 26 | 30 | 12 | 21 | 33 | 30 | 32 | 33 | 32 | 32 | 2720 | 16 | | 4 | | | | | | |
| 27 | 24 | 18 | 21 | | | | | | | | | | | | | | | | |
| 28 | 23 | 17 | 20 | | | | | | | | | | | | | | | | |
| 29 | 24 | 14 | 19 | | | | | | | | | | | | | | | | |
| 30 | 38 | 21 | 30 | | | | | | | | | | | | | | | | |
| 31 | 32 | 23 | 28 | 32 | 29 | 31 | 32 | 32 | 32 | 2863 | 24 | 0.20 | 3 | N-D | 48 | 23 | | | |
| Month Mean | 49 | 12 | 28 | 48 | 29 | 35 | 40 | 32 | 35 | 10764 | 14 | 2.20 | | | | | 100 | 28 | 66 |
| Month Mean | 34 | 22 | 30 | 38 | 32 | 36 | 36 | 34 | | | | | | | | | | 90 | 42 |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydograph (Hair) ④ | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
- ② Rim of gauge 40 inches above ground at 5-7" = 10%

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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month November Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 23 | 13 | 18 | | | | | | | | | | | | | | | | |
| 2 | 16 | 10 | 13 | | | | | | | | | | | | | | | | |
| 3 | 28 | 11 | 20 | | | | | | | | | | | | | | | | |
| 4 | 22 | 14 | 18 | | | | | | | | | | | | | | | | |
| 5 | 19 | 09 | 14 | | | | | | | | | | | | | | | | |
| 6 | 23 | 09 | 16 | | | | | | | | | | | | | | | | |
| 7 | 11 | 07 | 09 | | | | | | | | | | | | | | | | |
| 8 | 10 | 05 | 08 | | | | | | | | | | | | | | | | |
| 9 | 19 | 09 | 14 | 30 | 23 | 25 | 32 | 28 | 30 | 2837 | 13 | 0.40 | 3 | | | | | | |
| 10 | 21 | 13 | 17 | | | | | | | | | | | | | | | | |
| 11 | 19 | 11 | 15 | | | | | | | | | | | | | | | | |
| 12 | 13 | 07 | 10 | | | | | | | | | | | | | | | | |
| 13 | 12 | 06 | 09 | | | | | | | | | | | | | | | | |
| 14 | 17 | 07 | 12 | | | | | | | | | | | | | | | | |
| 15 | 07 | 00 | 04 | | | | | | | | | | | | | | | | |
| 16 | 08 | -01 | 04 | 24 | 20 | 22 | 28 | 24 | 26 | 3667 | 27 | 0.55 | 4 | | | | | | |
| 17 | 05 | -04 | 00 | | | | | | | | | | | | | | | | |
| 18 | -01 | -07 | -04 | | | | | | | | | | | | | | | | |
| 19 | 02 | -03 | 00 | | | | | | | | | | | | | | | | |
| 20 | -03 | -09 | -06 | | | | | | | | | | | | | | | | |
| 21 | 00 | -14 | -07 | | | | | | | | | | | | | | | | |
| 22 | 20 | -06 | 07 | | | | | | | | | | | | | | | | |
| 23 | 27 | 17 | 22 | 22 | 10 | 16 | 24 | 15 | 20 | 4300 | 25 | 0.50 | 2 | | | | | | |
| 24 | 25 | 18 | 22 | | | | | | | | | | | | | | | | |
| 25 | 26 | 19 | 22 | | | | | | | | | | | | | | | | |
| 26 | 24 | 03 | 14 | | | | | | | | | | | | | | | | |
| 27 | 03 | -05 | -01 | | | | | | | | | | | | | | | | |
| 28 | 10 | -06 | 02 | | | | | | | | | | | | | | | | |
| 29 | -03 | -12 | -08 | | | | | | | | | | | | | | | | |
| 30 | 11 | -05 | 03 | 22 | 10 | 16 | 24 | 14 | 19 | 4893 | 30 | 0.00 | T | N-D | 38 | 36 | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 28 | -14 | 09 | 30 | 10 | 20 | 32 | 14 | 24 | 15697 | 22 | 1.45 | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4% at 5-7" = 10%

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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month December Year 1957

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 19 | 09 | 14 | | | | | | | | | | | | | | | | |
| 2 | 14 | -01 | 06 | | | | | | | | | | | | | | | | |
| 3 | 11 | -01 | 05 | | | | | | | | | | | | | | | | |
| 4 | 28 | 11 | 20 | | | | | | | | | | | | | | | | |
| 5 | 23 | 11 | 17 | | | | | | | | | | | | | | | | |
| 6 | 11 | 01 | 06 | | | | | | | | | | | | | | | | |
| 7 | 12 | -01 | 06 | | | | | | | | | | | | | | | | |
| 8 | 23 | 04 | 14 | 18 | 11 | 14 | 20 | 14 | 17 | 6572 | 33 | 0.45 | 0 | | | | | | |
| 9 | 29 | 17 | 23 | | | | | | | | | | | | | | | | |
| 10 | 22 | 08 | 15 | | | | | | | | | | | | | | | | |
| 11 | 22 | 15 | 18 | | | | | | | | | | | | | | | | |
| 12 | 23 | 14 | 18 | | | | | | | | | | | | | | | | |
| 13 | 20 | 14 | 17 | | | | | | | | | | | | | | | | |
| 14 | 22 | 15 | 18 | 20 | 16 | 18 | 21 | 16 | 19 | 4368 | 32 | 0.20 | 0 | | | | | | |
| 15 | 27 | 17 | 22 | | | | | | | | | | | | | | | | |
| 16 | 21 | 17 | 19 | | | | | | | | | | | | | | | | |
| 17 | 20 | 03 | 12 | | | | | | | | | | | | | | | | |
| 18 | 10 | 01 | 06 | | | | | | | | | | | | | | | | |
| 19 | 04 | -09 | -02 | | | | | | | | | | | | | | | | |
| 20 | 15 | 02 | 08 | | | | | | | | | | | | | | | | |
| 21 | 21 | 13 | 17 | 22 | 14 | 18 | 22 | 16 | 19 | 5342 | 32 | 0.70 | 3 | | | | | | |
| 22 | 18 | -03 | 08 | | | | | | | | | | | | | | | | |
| 23 | 13 | -04 | 04 | | | | | | | | | | | | | | | | |
| 24 | 12 | 03 | 08 | | | | | | | | | | | | | | | | |
| 25 | 17 | 04 | 10 | | | | | | | | | | | | | | | | |
| 26 | 19 | -09 | 05 | | | | | | | | | | | | | | | | |
| 27 | 06 | -11 | -02 | | | | | | | | | | | | | | | | |
| 28 | 11 | 05 | 08 | | | | | | | 4850 | 29 | 0.00 | N-D | | | | | | |
| 29 | 11 | 04 | 08 | | | | | | | | | | | | | | | | |
| 30 | 08 | -12 | -02 | | | | | | | | | | | | | | | | |
| 31 | 04 | -13 | -04 | 18 | 08 | 13 | 20 | 12 | 16 | 1845 | 26 | 0.70 | 2 | N-D | 32 | 18 | | | |
| Month Mean | 29 | -13 | 10 | 22 | 08 | 16 | 22 | 12 | 18 | 22978 | 31 | 2.05 | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4% at 5-7" = 10%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month January Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|----------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-------------------|----------------------|------------------------|-------------------------------------|------------------|------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 50 | 24 | 37 | | | | | | | | | | | | | | | 39 | 14 | 26 |
| 2 | 47 | 26 | 36 | | | | | | | | | | | | | | | 33 | 13 | 23 |
| 3 | 45 | 22 | 34 | | | | | | | | | | | | | | | 38 | 22 | 30 |
| 4 | 45 | 22 | 34 | 28 | 18 | 23 | 29 | 26 | 28 | 611 | 6 | 0.00 | 0 | | | | | 37 | 26 | 32 |
| 5 | 53 | 26 | 40 | | | | | | | | | | | | | | | 41 | 24 | 32 |
| 6 | 48 | 25 | 36 | | | | | | | | | | | | | | | 74 | 40 | 57 |
| 7 | 52 | 27 | 40 | | | | | | | | | | | | | | | 73 | 36 | 54 |
| 8 | 59 | 32 | 46 | | | | | | | | | | | | | | | 48 | 23 | 36 |
| 9 | 52 | 32 | 42 | | | | | | | | | | | | | | | 36 | 27 | 32 |
| 10 | 57 | 30 | 44 | | | | | | | | | | | | | | | 37 | 23 | 30 |
| 11 | 42 | 26 | 34 | 30 | 19 | 24 | 30 | 26 | 28 | 918 | 6 | 0.00 | 0 | | | | | 52 | 29 | 40 |
| 12 | 42 | 21 | 32 | | | | | | | | | | | | | | | 86 | 48 | 67 |
| 13 | 38 | 22 | 30 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 14 | 39 | 17 | 28 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 15 | 45 | 27 | 36 | | | | | | | | | | | | | | | 61 | 37 | 49 |
| 16 | 52 | 26 | 39 | | | | | | | | | | | | | | | 78 | 30 | 54 |
| 17 | 51 | 25 | 38 | | | | | | | | | | | | | | | 78 | 30 | 54 |
| 18 | 38 | 20 | 29 | 29 | 20 | 25 | 30 | 26 | 28 | 928 | 5 | 0.00 | 0 | | | | | 100 | 29 | 64 |
| 19 | 26 | 14 | 20 | | | | | | | | | | | | | | | 100 | 97 | 98 |
| 20 | 34 | 05 | 20 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 21 | 43 | 17 | 30 | | | | | | | | | | | | | | | 67 | 21 | 44 |
| 22 | 35 | 10 | 22 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 23 | 41 | 10 | 26 | | | | | | | | | | | | | | | 70 | 20 | 45 |
| 24 | 42 | 26 | 34 | | | | | | | | | | | | | | | 98 | 53 | 76 |
| 25 | 48 | 27 | 38 | 31 | 31 | 31 | 32 | 30 | 31 | 1107 | 7 | 0.90 | 6 | | | | | 81 | 41 | 61 |
| 26 | 44 | 22 | 33 | | | | | | | | | | | | | | | 81 | 43 | 62 |
| 27 | 38 | 21 | 30 | | | | | | | | | | | | | | | 100 | 64 | 82 |
| 28 | 43 | 18 | 30 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 29 | 40 | 29 | 34 | | | | | | | | | | | | | | | 73 | 55 | 64 |
| 30 | 42 | 23 | 32 | | | | | | | | | | | | | | | 100 | 43 | 72 |
| 31 | 36 | 23 | 30 | 34 | 30 | 32 | 34 | 30 | 32 | 1242 | 9 | 0.00 | 4 | | | | | 77 | 44 | 60 |
| Month | 59 | 05 | 33 | 34 | 18 | 27 | 34 | 26 | 30 | 4806 | 6 | 0.90 | | | | | | 100 | 13 | 55 |
| Month Mean | 44 | 22 | | 30 | 24 | | 31 | 28 | | | | | | | | | | 73 | 36 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge (2) | Snow Stake | Oven Drying Method (3) | Hygrograph (Hair) (1) | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month February Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|----------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-------------------|----------------------|------------------------|-------------------------------------|------------------|------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 39 | 23 | 31 | | | | | | | | | | | | | | | 62 | 33 | 48 |
| 2 | 46 | 28 | 37 | | | | | | | | | | | | | | | 46 | 16 | 31 |
| 3 | 54 | 35 | 44 | | | | | | | | | | | | | | | 55 | 21 | 38 |
| 4 | 53 | 33 | 43 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 5 | 42 | 29 | 36 | | | | | | | | | | | | | | | 100 | 74 | 87 |
| 6 | 33 | 23 | 28 | | | | | | | | | | | | | | | 100 | 55 | 78 |
| 7 | 46 | 21 | 34 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 8 | 38 | 18 | 28 | 32 | 30 | 31 | 32 | 30 | 30 | 1551 | 8 | 0.00 | 2 | | | | | 100 | 75 | 88 |
| 9 | 40 | 17 | 28 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 10 | 38 | 24 | 31 | | | | | | | | | | | | | | | 100 | 46 | 73 |
| 11 | 35 | 12 | 24 | | | | | | | | | | | | | | | 100 | 95 | 98 |
| 12 | 36 | 05 | 20 | | | | | | | | | | | | | | | 100 | 60 | 80 |
| 13 | 48 | 22 | 35 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 14 | 40 | 15 | 28 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 15 | 43 | 11 | 27 | 32 | 30 | 31 | 32 | 31 | 32 | 596 | 4 | 0.20 | T | | | | | 100 | 41 | 70 |
| 16 | 49 | 31 | 40 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 17 | 53 | 38 | 46 | | | | | | | | | | | | | | | 54 | 30 | 42 |
| 18 | 55 | 36 | 46 | | | | | | | | | | | | | | | 54 | 24 | 39 |
| 19 | 61 | 40 | 50 | | | | | | | | | | | | | | | 48 | 16 | 32 |
| 20 | 63 | 41 | 52 | | | | | | | | | | | | | | | 42 | 20 | 31 |
| 21 | 57 | 36 | 46 | | | | | | | | | | | | | | | 73 | 37 | 50 |
| 22 | 64 | 36 | 50 | 32 | N-D | N-D | 32 | 32 | 32 | 1332 | 8 | 0.10 | T | | | | | 76 | 27 | 52 |
| 23 | 65 | 40 | 52 | | | | | | | | | | | | | | | 52 | 23 | 38 |
| 24 | 57 | 35 | 46 | | | | | | | | | | | | | | | 79 | 50 | 64 |
| 25 | 54 | 33 | 44 | | | | | | | | | | | | | | | 70 | 46 | 58 |
| 26 | 40 | 23 | 32 | | | | | | | | | | | | | | | 62 | 36 | 49 |
| 27 | 33 | 21 | 27 | | | | | | | | | | | | | | | 98 | 40 | 69 |
| 28 | 24 | 14 | 19 | 39 | 32 | 36 | 34 | 31 | 33 | 1067 | 8 | 0.00 | T | | | | | 98 | 96 | 98 |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 65 | 05 | 36 | 39 | 30 | 32 | 34 | 30 | 32 | 4546 | 7 | 0.30 | | | | | | 100 | 16 | 62 |
| Month Mean | 47 | 27 | | 34 | 31 | | 32 | 31 | | | | | | | | | | 81 | 43 | |
| Key | Thermograph (Bourdon Tube) | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge (2) | Snow Stake | Oven Drying Method (3) | Hygrograph (Hair) (1) | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month March Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 30 | 11 | 20 | | | | | | | | | | | | | | | 100 | 73 | 86 |
| 2 | 35 | 13 | 24 | | | | | | | | | | | | | | | 100 | 52 | 76 |
| 3 | 27 | 12 | 20 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 4 | 38 | 10 | 24 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 5 | 44 | 12 | 28 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 6 | 47 | 22 | 34 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 7 | 33 | 20 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 100 | 100 | |
| 8 | 50 | 21 | 27 | 33 | 32 | 32 | 33 | 32 | 33 | 601 | 3 | 0.90 | 5 | | | | 100 | 36 | 68 | |
| 9 | 32 | 15 | 23 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 10 | 23 | 12 | 17 | | | | | | | | | | | | | | | 100 | 90 | 95 |
| 11 | 20 | 06 | 13 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 12 | 24 | 08 | 16 | | | | | | | | | | | | | | | 100 | 85 | 92 |
| 13 | 23 | 03 | 13 | | | | | | | | | | | | | | | 100 | 74 | 87 |
| 14 | 30 | 04 | 17 | | | | | | | | | | | | | | | 100 | 74 | 87 |
| 15 | 41 | 16 | 28 | 33 | 32 | 33 | 34 | 32 | 33 | 336 | 2 | 0.50 | 6 | | | | 100 | 58 | 79 | |
| 16 | 25 | 10 | 18 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 17 | 38 | 05 | 21 | | | | | | | | | | | | | | | 100 | 49 | 74 |
| 18 | 35 | 22 | 28 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 19 | 39 | 24 | 32 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 20 | 45 | 25 | 35 | | | | | | | | | | | | | | | 85 | 26 | 56 |
| 21 | 58 | 35 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 27 | 64 | |
| 22 | 50 | 31 | 40 | 33 | 33 | 33 | 33 | 32 | 32 | 764 | 4 | 0.70 | 3 | | | | 100 | 56 | 78 | |
| 23 | 36 | 31 | 34 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 24 | 36 | 29 | 32 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 25 | 38 | 26 | 32 | | | | | | | | | | | | | | | 100 | 93 | 96 |
| 26 | 43 | 24 | 34 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 27 | 46 | 21 | 34 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 28 | 30 | 24 | 27 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 29 | 37 | 24 | 30 | | | | | | | | | | | | | | | 100 | 95 | 98 |
| 30 | 51 | 27 | 39 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 21 | 60 | |
| 31 | 52 | 30 | 41 | 34 | 32 | 33 | 34 | 32 | 33 | 683 | 3 | 0.95 | 0 | 15 | 14 | | 100 | 26 | 63 | |
| Month | 58 | 03 | 28 | 34 | 32 | 33 | 34 | 32 | 33 | 2384 | 3 | 3.05 | | | | | 100 | 21 | 81 | |
| Month Mean | 37 | 18 | | 33 | 33 | | 34 | 32 | | | | | | | | | 99 | 63 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month April Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------------------|------------------|-------------------|------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 55 | 28 | 42 | | | | | | | | | | | | | | | 72 | 20 | 46 |
| 2 | 51 | 32 | 42 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 3 | 56 | 32 | 44 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 4 | 39 | 30 | 34 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 5 | 42 | 29 | 36 | | | | | | | | | | | | | | | 52 | 30 | 41 |
| 6 | 52 | 27 | 40 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 7 | 51 | 25 | 38 | 43 | 33 | 38 | 38 | 33 | 36 | 1531 | 9 | 0.00 | 0 | | | | 100 | 50 | 75 | |
| 8 | 43 | 25 | 34 | | | | | | | | | | | | | | | 100 | 87 | 94 |
| 9 | 38 | 24 | 31 | | | | | | | | | | | | | | | 100 | 94 | 97 |
| 10 | 39 | 24 | 32 | | | | | | | | | | | | | | | 100 | 76 | 88 |
| 11 | 40 | 20 | 30 | | | | | | | | | | | | | | | 100 | 74 | 87 |
| 12 | 44 | 22 | 33 | 44 | 34 | 39 | 40 | 34 | 37 | 317 | 3 | 1.20 | 4 | | | | 100 | 60 | 80 | |
| 13 | 47 | 23 | 35 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 14 | 61 | 37 | 49 | | | | | | | | | | | | | | | 40 | 15 | 28 |
| 15 | 69 | 36 | 52 | | | | | | | | | | | | | | | 44 | 16 | 30 |
| 16 | 72 | 46 | 59 | | | | | | | | | | | | | | | 30 | 13 | 22 |
| 17 | 66 | 43 | 54 | | | | | | | | | | | | | | | 69 | 21 | 45 |
| 18 | 61 | 42 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 70 | 38 | 54 | |
| 19 | 62 | 37 | 50 | 52 | 34 | 43 | 46 | 34 | 40 | 1205 | 7 | 0.00 | 0 | | | | 100 | N-D | N-D | |
| 20 | 60 | 40 | 50 | | | | | | | | | | | | | | | N-D | N-D | N-D |
| 21 | 55 | 32 | 44 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 22 | 65 | 32 | 48 | | | | | | | | | | | | | | | 100 | 14 | 57 |
| 23 | 47 | 19 | 33 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 24 | 31 | 18 | 24 | | | | | | | | | | | | | | | 100 | 84 | 92 |
| 25 | 37 | 24 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 70 | 85 | |
| 26 | 36 | 27 | 32 | 52 | 36 | 44 | 46 | 37 | 42 | 1073 | 6 | 1.40 | 5 | | | | 100 | 88 | 94 | |
| 27 | 49 | 24 | 36 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 28 | 38 | 26 | 32 | | | | | | | | | | | | | | | 100 | 64 | 82 |
| 29 | 38 | 23 | 30 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 70 | 85 | |
| 30 | 50 | 25 | 38 | 39 | 35 | 37 | 38 | 36 | 37 | 376 | 4 | 0.50 | 2 | N-D | N-D | | 98 | 34 | 66 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 72 | 18 | 39 | 52 | 33 | 40 | 46 | 33 | 38 | 4502 | 6 | 3.10 | | | | | 100 | 13 | 67 | |
| Month Mean | 50 | 29 | | 46 | 34 | | 42 | 35 | | | | | | | | | 89 | 46 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month May Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|------------------------------|------------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------|--------|------|-------------------|------|-----|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | | |
| | Max. | Min. | Mean | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 61 | 34 | 48 | | | | | | | | | | | | | | | 84 | 29 | 56 |
| 2 | 60 | 40 | 50 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 62 | 36 | 49 |
| 3 | 67 | 40 | 54 | 46 | 35 | 40 | 44 | 36 | 40 | 435 | 6 | 0.05 | 0 | | | | 74 | 26 | 50 | |
| 4 | 73 | 39 | 56 | | | | | | | | | | | | | | 75 | 20 | 48 | |
| 5 | 71 | 41 | 56 | | | | | | | | | | | | | | 60 | 28 | 44 | |
| 6 | 74 | 44 | 59 | | | | | | | | | | | | | | 60 | 28 | 44 | |
| 7 | 71 | 43 | 57 | | | | | | | | | | | | | | 100 | 27 | 64 | |
| 8 | 45 | 37 | 41 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 54 | 36 | 45 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 10 | 69 | 45 | 57 | | | | | | | | | | | | | | 65 | 24 | 44 | |
| 11 | 72 | 45 | 58 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 59 | 30 | 44 | |
| 12 | 74 | 47 | 60 | 57 | 43 | 50 | 52 | 42 | 47 | 1160 | 5 | 1.25 | 0 | | | | 48 | 21 | 34 | |
| 13 | 69 | 43 | 56 | | | | | | | | | | | | | | 100 | 34 | 67 | |
| 14 | 45 | 38 | 42 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 15 | 44 | 35 | 40 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 16 | 65 | 39 | 52 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 23 | 62 | |
| 17 | 69 | 47 | 58 | 60 | 47 | 53 | 54 | 47 | 50 | 553 | 4 | 1.30 | 0 | | | | 100 | 22 | 61 | |
| 18 | 66 | 43 | 54 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 19 | 73 | 46 | 60 | | | | | | | | | | | | | | 90 | 30 | 60 | |
| 20 | 76 | 49 | 62 | | | | | | | | | | | | | | 88 | 30 | 59 | |
| 21 | 81 | 54 | 68 | | | | | | | | | | | | | | 52 | 21 | 36 | |
| 22 | 67 | 47 | 57 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 23 | 78 | 45 | 62 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 26 | 63 | |
| 24 | 72 | 48 | 60 | 64 | 51 | 58 | 57 | 50 | 54 | 897 | 6 | 0.30 | 0 | | | | 100 | 42 | 71 | |
| 25 | 82 | 48 | 65 | | | | | | | | | | | | | | 90 | 20 | 55 | |
| 26 | 82 | 56 | 69 | | | | | | | | | | | | | | 48 | 22 | 35 | |
| 27 | 78 | 52 | 65 | | | | | | | | | | | | | | 88 | 23 | 56 | |
| 28 | 85 | 48 | 66 | | | | | | | | | | | | | | 86 | 16 | 51 | |
| 29 | 83 | 60 | 72 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 40 | 21 | 30 | |
| 30 | 84 | 59 | 72 | | | | | | | | | | | | | | 40 | 18 | 29 | |
| 31 | 77 | 55 | 66 | 68 | 55 | 62 | 61 | 54 | 58 | 1439 | 8 | 0.80 | 0 | 11 | 14 | | 93 | 29 | 61 | |
| Month | 85 | 34 | 58 | 68 | 35 | 53 | 61 | 36 | 50 | 4484 | 6 | 3.70 | | | | | 100 | 16 | 58 | |
| Month Mean | 70 | 45 | 59 | 46 | | | 54 | 46 | | | | | | | | | 81 | 35 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month June Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------|--------|------|-------------------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | Max. | Min. | Mean | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 77 | 48 | 62 | | | | | | | | | | | | | | 93 | 40 | 66 |
| 2 | 82 | 57 | 70 | | | | | | | | | | | | | | 46 | 24 | 35 |
| 3 | 89 | 56 | 72 | | | | | | | | | | | | | | 42 | 14 | 28 |
| 4 | 76 | 52 | 64 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 5 | 59 | 49 | 54 | | | | | | | | | | | | | | 100 | 76 | 88 |
| 6 | 76 | 49 | 62 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 7 | 80 | 49 | 64 | | | | | | | | | | | | | | 100 | 32 | 66 |
| 8 | 76 | 58 | 67 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 96 | 20 | 58 |
| 9 | 83 | 52 | 68 | 72 | 56 | 64 | 64 | 57 | 60 | 1254 | 6 | 1.70 | 0 | | | | 34 | 15 | 24 |
| 10 | 76 | 52 | 64 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 11 | 74 | 45 | 60 | | | | | | | | | | | | | | 84 | 30 | 57 |
| 12 | 75 | 54 | 64 | | | | | | | | | | | | | | 76 | 20 | 48 |
| 13 | 70 | 46 | 58 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 14 | 83 | 46 | 64 | | | | | | | | | | | | | | 100 | 12 | 56 |
| 15 | 80 | 47 | 64 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 16 | 73 | 48 | 60 | 74 | 58 | 66 | 66 | 58 | 62 | 880 | 5 | 0.09 | 0 | | | | 100 | 43 | 72 |
| 17 | 74 | 47 | 60 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 18 | 80 | 51 | 66 | | | | | | | | | | | | | | 92 | 29 | 60 |
| 19 | 74 | 46 | 60 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 20 | 59 | 49 | 54 | | | | | | | | | | | | | | 100 | 74 | 87 |
| 21 | 59 | 48 | 54 | | | | | | | | | | | | | | 100 | 75 | 88 |
| 22 | 70 | 42 | 56 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 43 | 72 |
| 23 | 78 | 52 | 65 | 73 | 56 | 65 | 66 | 58 | 62 | 623 | 4 | 0.28 | 0 | | | | 81 | 31 | 56 |
| 24 | 83 | 42 | 62 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 25 | 46 | 35 | 40 | | | | | | | | | | | | | | 100 | 91 | 96 |
| 26 | 64 | 40 | 52 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 27 | 83 | 49 | 66 | | | | | | | | | | | | | | 85 | 26 | 56 |
| 28 | 91 | 60 | 76 | | | | | | | | | | | | | | 39 | 10 | 24 |
| 29 | 88 | 58 | 73 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 39 | 18 | 28 |
| 30 | 92 | 63 | 78 | 73 | 52 | 63 | 66 | 55 | 60 | 885 | 5 | 1.17 | 0 | 8 | 7 | | 38 | 16 | 27 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 92 | 35 | 63 | 74 | 52 | 64 | 66 | 55 | 61 | 3642 | 5 | 3.24 | | | | | 100 | 12 | 60 |
| Month Mean | 76 | 50 | 63 | 73 | 56 | 65 | 65 | 57 | 61 | | | | | | | | 85 | 35 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 5-7" = 4% at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month July Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|-----------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|----|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | | |
| 1 | 80 | 57 | 68 | | | | | | | | | | | | | | | 62 | 24 | 43 | |
| 2 | 82 | 53 | 68 | | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 3 | 88 | 50 | 69 | | | | | | | | | | | | | | | | 100 | 15 | 58 |
| 4 | 73 | 48 | 60 | | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 5 | 56 | 46 | 51 | | | | | | | | | | | | | | | | 100 | 86 | 93 |
| 6 | 70 | 45 | 58 | | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 7 | 83 | 48 | 66 | 75 | 57 | 66 | 68 | 59 | 64 | 804 | 5 | 0.30 | 0 | | | | | | 80 | 20 | 50 |
| 8 | 88 | 55 | 72 | | | | | | | | | | | | | | | | 75 | 18 | 46 |
| 9 | 80 | 55 | 68 | | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 10 | 71 | 54 | 62 | | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 11 | 79 | 51 | 65 | | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 12 | 86 | 57 | 72 | | | | | | | | | | | | | | | | 47 | 14 | 30 |
| 13 | 91 | 65 | 78 | | | | | | | | | | | | | | | | 27 | 10 | 18 |
| 14 | 74 | 50 | 62 | 78 | 59 | 68 | 69 | 60 | 64 | 1096 | 6 | 0.01 | 0 | | | | | | 100 | 18 | 59 |
| 15 | 70 | 48 | 59 | | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 16 | 76 | 51 | 64 | | | | | | | | | | | | | | | | 100 | 47 | 74 |
| 17 | 83 | 53 | 68 | | | | | | | | | | | | | | | | 95 | 24 | 60 |
| 18 | 76 | 56 | 66 | | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 19 | 77 | 54 | 66 | | | | | | | | | | | | | | | | 83 | 34 | 58 |
| 20 | 78 | 53 | 66 | | | | | | | | | | | | | | | | 78 | 27 | 52 |
| 21 | 76 | 51 | 64 | 74 | 60 | 67 | 68 | 62 | 65 | 683 | 4 | 0.50 | 0 | | | | | | 100 | 40 | 70 |
| 22 | 76 | 51 | 64 | | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 23 | 91 | 56 | 74 | | | | | | | | | | | | | | | | 51 | 11 | 31 |
| 24 | 77 | 55 | 66 | | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 25 | 82 | 53 | 68 | | | | | | | | | | | | | | | | 100 | 19 | 60 |
| 26 | 83 | 52 | 68 | | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 27 | 64 | 46 | 55 | | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 28 | 82 | 47 | 64 | 76 | 59 | 68 | 68 | 62 | 65 | 951 | 6 | 0.72 | 0 | | | | | | 98 | 28 | 63 |
| 29 | 91 | 59 | 75 | | | | | | | | | | | | | | | | 50 | 18 | 34 |
| 30 | 79 | 55 | 67 | | | | | | | | | | | | | | | | 88 | 30 | 59 |
| 31 | 86 | 55 | 70 | 75 | 63 | 69 | 68 | 61 | 64 | 486 | 7 | 0.00 | 0 | 5 | 5 | | | | 72 | 18 | 45 |
| Month Mean | 91 | 45 | 66 | 78 | 57 | 68 | 69 | 59 | 64 | 4020 | 5 | 1.53 | | | | | | | 100 | 10 | 60 |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av of Max & Min | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month August Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | | |
|------------|------------------------------|-----------------|--|---------------|------|------|--------------|------|-------------------------------|-----------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|-----|----|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | | | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | | | |
| 1 | 85 | 57 | 71 | | | | | | | | | | | | | | | | 48 | 24 | 36 | |
| 2 | 90 | 57 | 74 | | | | | | | | | | | | | | | | | 54 | 19 | 36 |
| 3 | 91 | 62 | 76 | | | | | | | | | | | | | | | | | 42 | 26 | 34 |
| 4 | 90 | 60 | 75 | 77 | 65 | 72 | 70 | 64 | 67 | 616 | 6 | 0.00 | 0 | | | | | | | 100 | 24 | 62 |
| 5 | 90 | 58 | 74 | | | | | | | | | | | | | | | | | 78 | 20 | 49 |
| 6 | 89 | 62 | 76 | | | | | | | | | | | | | | | | | 56 | 23 | 40 |
| 7 | 93 | 60 | 76 | | | | | | | | | | | | | | | | | 57 | 12 | 34 |
| 8 | 95 | 63 | 79 | | | | | | | | | | | | | | | | | 30 | 10 | 20 |
| 9 | 94 | 65 | 80 | | | | | | | | | | | | | | | | | 38 | 18 | 28 |
| 10 | 87 | 60 | 74 | | | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 11 | 85 | 57 | 71 | 79 | 66 | 71 | 71 | 66 | 68 | 1094 | 6 | 0.07 | 0 | | | | | | | 100 | 37 | 68 |
| 12 | 87 | 59 | 73 | | | | | | | | | | | | | | | | | 79 | 23 | 51 |
| 13 | 90 | 60 | 75 | | | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 14 | 90 | 62 | 76 | | | | | | | | | | | | | | | | | 92 | 18 | 55 |
| 15 | 86 | 57 | 72 | | | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 16 | 81 | 55 | 68 | | | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 17 | 85 | 57 | 71 | | | | | | | | | | | | | | | | | 71 | 22 | 46 |
| 18 | 83 | 56 | 70 | 75 | 63 | 69 | 68 | 64 | 66 | 1001 | 6 | 0.49 | 0 | | | | | | | 100 | 32 | 66 |
| 19 | 79 | 54 | 66 | | | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 20 | 75 | 54 | 64 | | | | | | | | | | | | | | | | | 93 | 42 | 68 |
| 21 | 73 | 53 | 63 | | | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 22 | 71 | 52 | 62 | | | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 23 | 60 | 47 | 54 | | | | | | | | | | | | | | | | | 100 | 68 | 84 |
| 24 | 67 | 48 | 58 | | | | | | | | | | | | | | | | | 100 | 44 | 72 |
| 25 | 78 | 55 | 67 | 71 | 57 | 64 | 67 | 60 | 64 | N-D | N-D | 2.47 | 0 | | | | | | | 61 | 26 | 44 |
| 26 | 88 | 54 | 71 | | | | | | | | | | | | | | | | | 60 | 09 | 34 |
| 27 | 85 | 60 | 72 | | | | | | | | | | | | | | | | | 92 | 21 | 56 |
| 28 | 85 | 61 | 73 | | | | | | | | | | | | | | | | | 61 | 22 | 42 |
| 29 | 78 | 60 | 69 | | | | | | | | | | | | | | | | | 58 | 28 | 43 |
| 30 | 71 | 51 | 61 | | | | | | | | | | | | | | | | | 99 | 33 | 66 |
| 31 | 82 | 49 | 66 | 70 | 58 | 64 | 65 | 62 | 64 | N-D | N-D | 0.05 | 0 | 9 | 8 | | | | | 76 | 25 | 50 |
| Month Mean | 95 | 47 | 70 | 79 | 57 | 68 | 71 | 60 | 66 | 4478 | 6 | 3.08 | | | | | | | | 100 | 09 | 54 |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av of Max & Min | | | | | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month September Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 88 | 58 | 73 | | | | | | | | | | | | | | 32 | 09 | 20 |
| 2 | 87 | 61 | 74 | | | | | | | | | | | | | | 31 | 14 | 22 |
| 3 | 72 | 50 | 61 | | | | | | | | | | | | | | 92 | 29 | 60 |
| 4 | 79 | 47 | 63 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 5 | 79 | 51 | 65 | | | | | | | | | | | | | | 95 | 35 | 65 |
| 6 | 82 | 51 | 66 | | | | | | | | | | | | | | 70 | 19 | 44 |
| 7 | 82 | 55 | 68 | | | | | | | | | | | | | | 65 | 27 | 46 |
| 8 | 82 | 59 | 70 | 74 | 61 | 68 | 67 | 62 | 64 | 871 | 4 | 0.00 | 0 | | | | 100 | 34 | 67 |
| 9 | 82 | 52 | 67 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 10 | 80 | 51 | 66 | | | | | | | | | | | | | | 90 | 35 | 62 |
| 11 | 85 | 55 | 70 | | | | | | | | | | | | | | 63 | 26 | 44 |
| 12 | 88 | 57 | 72 | | | | | | | | | | | | | | 57 | 17 | 37 |
| 13 | 76 | 48 | 62 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 14 | 66 | 46 | 56 | | | | | | | | | | | | | | 61 | 15 | 38 |
| 15 | 59 | 36 | 48 | 73 | 58 | 66 | 66 | 60 | 63 | 820 | 5 | 0.21 | 0 | | | | 100 | 43 | 72 |
| 16 | 62 | 34 | 48 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 17 | 79 | 41 | 60 | | | | | | | | | | | | | | 60 | 10 | 35 |
| 18 | 67 | 48 | 58 | | | | | | | | | | | | | | 94 | 18 | 56 |
| 19 | 78 | 47 | 62 | | | | | | | | | | | | | | 65 | 10 | 38 |
| 20 | 67 | 41 | 54 | 66 | 51 | 58 | 60 | 56 | 58 | 489 | 4 | 0.38 | 0 | | | | 100 | 22 | 61 |
| 21 | 76 | 39 | 58 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 22 | 85 | 58 | 72 | | | | | | | | | | | | | | 24 | 10 | 17 |
| 23 | 80 | 57 | 68 | | | | | | | | | | | | | | 41 | 16 | 28 |
| 24 | 64 | 34 | 49 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 25 | 63 | 30 | 46 | | | | | | | | | | | | | | 100 | 22 | 61 |
| 26 | 60 | 35 | 48 | | | | | | | | | | | | | | 98 | 30 | 64 |
| 27 | 65 | 39 | 52 | | | | | | | | | | | | | | 94 | 30 | 62 |
| 28 | 76 | 47 | 62 | | | | | | | | | | | | | | 43 | 16 | 30 |
| 29 | 73 | 29 | 51 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 30 | 39 | 28 | 34 | 67 | 50 | 58 | 62 | 54 | 58 | 872 | 4 | 0.45 | T | 5 | 6 | | 100 | 87 | 94 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 88 | 28 | 60 | 74 | 50 | 62 | 67 | 54 | 61 | 3052 | 4 | 1.04 | | | | | 100 | 09 | 53 |
| Month Mean | 74 | 46 | | 70 | 55 | | 64 | 58 | | | | | | | | | 79 | 27 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Station No. A-1 Altitude 7,200 ft. Exposure Ridgetop Month October Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 68 | 30 | 49 | | | | | | | | | | | | | | 100 | 12 | 56 |
| 2 | 59 | 35 | 47 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 3 | 72 | 45 | 58 | | | | | | | | | | | | | | 34 | 15 | 24 |
| 4 | 77 | 50 | 64 | 58 | 46 | 52 | 55 | 51 | 53 | 474 | 5 | 0.19 | T | | | | 27 | 12 | 20 |
| 5 | 77 | 50 | 64 | | | | | | | | | | | | | | 27 | 13 | 20 |
| 6 | 79 | 55 | 67 | | | | | | | | | | | | | | 26 | 12 | 19 |
| 7 | 73 | 50 | 62 | | | | | | | | | | | | | | 30 | 12 | 21 |
| 8 | 73 | 52 | 62 | | | | | | | | | | | | | | 24 | 15 | 20 |
| 9 | 56 | 31 | 44 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 10 | 65 | 30 | 48 | | | | | | | | | | | | | | 100 | 25 | 62 |
| 11 | 72 | 43 | 58 | 63 | 49 | 56 | 58 | 52 | 55 | 1125 | 7 | 0.00 | 0 | | | | 51 | 21 | 36 |
| 12 | 77 | 50 | 64 | | | | | | | | | | | | | | 36 | 17 | 26 |
| 13 | 74 | 51 | 62 | | | | | | | | | | | | | | 37 | 20 | 28 |
| 14 | 77 | 50 | 64 | | | | | | | | | | | | | | 32 | 14 | 23 |
| 15 | 78 | 50 | 64 | | | | | | | | | | | | | | 24 | 06 | 15 |
| 16 | 69 | 42 | 58 | | | | | | | | | | | | | | 45 | 18 | 32 |
| 17 | 66 | 38 | 52 | | | | | | | | | | | | | | 47 | 23 | 35 |
| 18 | 82 | 50 | 66 | 61 | 49 | 55 | 57 | 52 | 54 | 1115 | 6 | 0.00 | 0 | | | | 23 | 06 | 14 |
| 19 | 79 | 52 | 66 | | | | | | | | | | | | | | 20 | 09 | 14 |
| 20 | 58 | 30 | 44 | | | | | | | | | | | | | | 100 | 20 | 60 |
| 21 | 56 | 28 | 42 | | | | | | | | | | | | | | 52 | 24 | 38 |
| 22 | 63 | 31 | 47 | | | | | | | | | | | | | | 51 | 11 | 31 |
| 23 | 68 | 36 | 52 | | | | | | | | | | | | | | 21 | 06 | 14 |
| 24 | 64 | 36 | 50 | | | | | | | | | | | | | | 28 | 14 | 21 |
| 25 | 45 | 29 | 37 | 61 | 45 | 53 | 56 | 48 | 52 | 1152 | 7 | 0.00 | 0 | | | | 100 | 28 | 64 |
| 26 | 52 | 32 | 42 | | | | | | | | | | | | | | 100 | 50 | 75 |
| 27 | 36 | 30 | 33 | | | | | | | | | | | | | | 100 | 88 | 94 |
| 28 | 35 | 28 | 32 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 29 | 34 | 19 | 26 | | | | | | | | | | | | | | 100 | 79 | 90 |
| 30 | 43 | 18 | 30 | | | | | | | | | | | | | | 100 | 67 | 84 |
| 31 | 55 | 30 | 42 | 50 | 39 | 44 | 50 | 42 | 46 | 374 | 3 | 0.80 | 3 | 4 | 3 | | 72 | 22 | 47 |
| Month | 82 | 18 | 51 | 63 | 39 | 52 | 58 | 42 | 52 | 4240 | 6 | 0.99 | | | | | 100 | 06 | 42 |
| Month Mean | 64 | 39 | | 59 | 46 | | 55 | 49 | | | | | | | | | 58 | 26 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Av. of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 4%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month November Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------|------------------|-------------------|------|------|----|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 55 | 34 | 44 | | | | | | | | | | | | | | | | | |
| 2 | 57 | 31 | 44 | | | | | | | | | | | | | | | | | |
| 3 | 57 | 34 | 46 | | | | | | | | | | | | | | | | | |
| 4 | 57 | 27 | 42 | | | | | | | | | | | | | | | | | |
| 5 | 45 | 25 | 35 | | | | | | | | | | | | | | | | | |
| 6 | 51 | 25 | 38 | | | | | | | | | | | | | | | | | |
| 7 | 50 | 26 | 38 | | | | | | | | | | | | | | | | | |
| 8 | 54 | 34 | 44 | 44 | 38 | 41 | 44 | 42 | 42 | 1503 | 8 | 0.10 | T | | | | 56 | 14 | 35 | |
| 9 | 59 | 44 | 52 | | | | | | | | | | | | | | | 54 | 35 | 44 |
| 10 | 69 | 40 | 54 | | | | | | | | | | | | | | | 90 | 14 | 52 |
| 11 | 40 | 28 | 34 | | | | | | | | | | | | | | | 100 | 80 | 90 |
| 12 | 59 | 30 | 44 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 13 | 62 | 38 | 50 | | | | | | | | | | | | | | | 53 | 10 | 32 |
| 14 | 60 | 30 | 45 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 15 | 41 | 23 | 32 | 46 | 38 | 42 | 44 | 41 | 43 | 1186 | 7 | 0.10 | 0 | | | | 100 | 52 | 76 | |
| 16 | 28 | 11 | 20 | | | | | | | | | | | | | | | 100 | 87 | 94 |
| 17 | 23 | 10 | 16 | | | | | | | | | | | | | | | 100 | 39 | 70 |
| 18 | 38 | 16 | 27 | | | | | | | | | | | | | | | 43 | 16 | 30 |
| 19 | 53 | 30 | 42 | | | | | | | | | | | | | | | 44 | 15 | 30 |
| 20 | 59 | 40 | 50 | | | | | | | | | | | | | | | 40 | 25 | 32 |
| 21 | 48 | 34 | 41 | | | | | | | | | | | | | | | 56 | 23 | 40 |
| 22 | 61 | 34 | 48 | 42 | 36 | 39 | 42 | 38 | 40 | 1011 | 6 | 0.40 | T | | | | 55 | 19 | 37 | |
| 23 | 56 | 33 | 44 | | | | | | | | | | | | | | | 64 | 20 | 42 |
| 24 | 58 | 39 | 48 | | | | | | | | | | | | | | | 30 | 14 | 22 |
| 25 | 47 | 14 | 30 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 26 | 23 | 07 | 15 | | | | | | | | | | | | | | | 100 | 59 | 80 |
| 27 | 20 | 02 | 11 | | | | | | | | | | | | | | | 100 | 88 | 94 |
| 28 | 48 | 06 | 27 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 29 | 59 | 36 | 48 | | | | | | | | | | | | | | | 26 | 13 | 20 |
| 30 | 65 | 34 | 50 | 39 | 34 | 36 | 40 | 34 | 37 | 1179 | 6 | 0.60 | 3 | N-D | N-D | | 32 | 06 | 19 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 69 | 02 | 39 | 46 | 34 | 40 | 44 | 34 | 40 | 4879 | 7 | 1.20 | | | | | 100 | 06 | 51 | |
| Month Mean | 50 | 27 | | 43 | 37 | | 42 | 39 | | | | | | | | | | 72 | 30 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
② Rim of gauge 40 inches above ground

- ③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. A-1 Altitude 7,200 ft Exposure Ridgetop Month December Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|---------------------|-----------------------|-------------------------|------------------|-------------------|------|------|----|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 57 | 30 | 44 | | | | | | | | | | | | | | | | | |
| 2 | 54 | 39 | 46 | | | | | | | | | | | | | | | | | |
| 3 | 56 | 38 | 47 | | | | | | | | | | | | | | | | | |
| 4 | 42 | 22 | 32 | | | | | | | | | | | | | | | | | |
| 5 | 36 | 11 | 24 | | | | | | | | | | | | | | | | | |
| 6 | 47 | 10 | 28 | 35 | 34 | 34 | 36 | 36 | 36 | 1236 | 8 | 0.20 | 2 | | | | 100 | 22 | 61 | |
| 7 | 48 | 35 | 42 | | | | | | | | | | | | | | | 100 | 18 | 59 |
| 8 | 40 | 19 | 30 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 9 | 37 | 23 | 30 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 10 | 43 | 26 | 34 | | | | | | | | | | | | | | | 88 | 28 | 58 |
| 11 | 49 | 22 | 36 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 12 | 27 | 17 | 22 | | | | | | | | | | | | | | | 100 | 98 | 99 |
| 13 | 36 | 12 | 24 | 34 | 34 | 34 | 36 | 36 | 36 | 1298 | 8 | 0.50 | 5 | | | | 100 | 36 | 68 | |
| 14 | 40 | 09 | 24 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 15 | 57 | 31 | 44 | | | | | | | | | | | | | | | 32 | 10 | 21 |
| 16 | 49 | 27 | 38 | | | | | | | | | | | | | | | 74 | 15 | 44 |
| 17 | 49 | 27 | 38 | | | | | | | | | | | | | | | 70 | 32 | 51 |
| 18 | 53 | 36 | 44 | | | | | | | | | | | | | | | 42 | 26 | 34 |
| 19 | 43 | 24 | 34 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 20 | 53 | 35 | 44 | | | | | | | | | | | | | | | 36 | 16 | 26 |
| 21 | 57 | 37 | 47 | | | | | | | | | | | | | | | 27 | 16 | 22 |
| 22 | 48 | 28 | 38 | 34 | 32 | 33 | 36 | 34 | 35 | 1531 | 7 | 0.00 | 3 | | | | 100 | 17 | 58 | |
| 23 | 31 | 24 | 28 | | | | | | | | | | | | | | | 100 | 97 | 98 |
| 24 | 44 | 24 | 34 | | | | | | | | | | | | | | | 98 | 26 | 62 |
| 25 | 47 | 25 | 36 | | | | | | | | | | | | | | | 46 | 18 | 32 |
| 26 | 46 | 27 | 36 | | | | | | | | | | | | | | | 45 | 09 | 27 |
| 27 | 52 | 34 | 43 | | | | | | | | | | | | | | | 38 | 08 | 23 |
| 28 | 34 | 20 | 27 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 29 | 29 | 10 | 20 | | | | | | | | | | | | | | | 100 | 64 | 82 |
| 30 | 37 | 09 | 23 | | | | | | | | | | | | | | | 100 | 17 | 58 |
| 31 | 44 | 18 | 31 | 33 | 31 | 32 | 34 | 33 | 34 | 1080 | 5 | 0.70 | 7 | N-D | N-D | | 100 | 22 | 61 | |
| Month | 57 | 09 | 34 | 35 | 31 | 33 | 36 | 33 | 35 | 5145 | 7 | 1.40 | | | | | 100 | 08 | 56 | |
| Month Mean | 45 | 24 | | 34 | 33 | | 36 | 35 | | | | | | | | | | 80 | 32 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ④ | Av. of Max & Min | | | | | |

- ① Instruments located in standard Weather Bureau Shelter
② Rim of gauge 40 inches above ground

- ③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month January Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|--------|------|-------------------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 41 | 22 | 32 | | | | | | | | | | | | | | 36 | 12 | 24 |
| 2 | 44 | 19 | 32 | | | | | | | | | | | | | | 30 | 13 | 22 |
| 3 | 40 | 16 | 28 | | | | | | | | | | | | | | 38 | 20 | 29 |
| 4 | 43 | 17 | 30 | 26 | 17 | 21 | 25 | 20 | 22 | 545 | 6 | 0.00 | 0 | | | | 37 | 22 | 30 |
| 5 | 47 | 21 | 34 | | | | | | | | | | | | | | 43 | 23 | 33 |
| 6 | 42 | 20 | 31 | | | | | | | | | | | | | | 77 | 42 | 60 |
| 7 | 48 | 24 | 36 | | | | | | | | | | | | | | 68 | 31 | 50 |
| 8 | 54 | 27 | 40 | | | | | | | | | | | | | | 50 | 20 | 35 |
| 9 | 47 | 25 | 36 | | | | | | | | | | | | | | 37 | 26 | 32 |
| 10 | 52 | 26 | 39 | | | | | | | | | | | | | | 37 | 22 | 30 |
| 11 | 35 | 19 | 27 | 24 | 16 | 20 | 25 | 20 | 22 | 618 | 4 | 0.00 | 0 | | | | 54 | 29 | 42 |
| 12 | 37 | 15 | 26 | | | | | | | | | | | | | | 100 | 44 | 72 |
| 13 | 34 | 17 | 26 | | | | | | | | | | | | | | 100 | 29 | 65 |
| 14 | 31 | 10 | 20 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 15 | 41 | 20 | 30 | | | | | | | | | | | | | | 58 | 32 | 45 |
| 16 | 45 | 20 | 32 | | | | | | | | | | | | | | 84 | 27 | 56 |
| 17 | 49 | 21 | 35 | | | | | | | | | | | | | | 75 | 26 | 50 |
| 18 | 33 | 15 | 24 | 24 | 18 | 21 | 24 | 20 | 22 | 827 | 5 | 0.10 | 0 | | | | 100 | 25 | 62 |
| 19 | 18 | 05 | 12 | | | | | | | | | | | | | | 100 | 99 | 100 |
| 20 | 29 | -02 | 14 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 21 | 43 | 09 | 26 | | | | | | | | | | | | | | 60 | 26 | 43 |
| 22 | 32 | 01 | 16 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 23 | 38 | 01 | 20 | | | | | | | | | | | | | | 79 | 23 | 51 |
| 24 | 32 | 19 | 26 | | | | | | | | | | | | | | 100 | 64 | 82 |
| 25 | 38 | 20 | 29 | 25 | 22 | 23 | 26 | 22 | 24 | 1079 | 6 | 0.70 | 6 | | | | 84 | 38 | 61 |
| 26 | 41 | 16 | 28 | | | | | | | | | | | | | | 78 | 38 | 58 |
| 27 | 31 | 16 | 24 | | | | | | | | | | | | | | 100 | 69 | 84 |
| 28 | 37 | 13 | 25 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 29 | 37 | 24 | 31 | | | | | | | | | | | | | | 87 | 54 | 70 |
| 30 | 34 | 15 | 24 | | | | | | | | | | | | | | 100 | 48 | 74 |
| 31 | 27 | 15 | 21 | 28 | 24 | 26 | 26 | 24 | 25 | 1494 | 11 | 0.00 | 4 | 14 | 21 | | 90 | 44 | 67 |
| Month | 54 | -02 | 28 | 28 | 16 | 22 | 26 | 20 | 23 | 4562 | 6 | 0.80 | | | | | 100 | 12 | 55 |
| Month Mean | 39 | 17 | | 25 | 19 | | 25 | 21 | | | | | | | | | 74 | 35 | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft Exposure Ridgetop Month February Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|--------|------|-------------------|------|----|--|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean | | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 29 | 16 | 22 | | | | | | | | | | | | | | 67 | 36 | 52 | |
| 2 | 45 | 20 | 32 | | | | | | | | | | | | | | 38 | 16 | 27 | |
| 3 | 49 | 27 | 38 | | | | | | | | | | | | | | 56 | 20 | 38 | |
| 4 | 47 | 29 | 38 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 5 | 38 | 22 | 30 | | | | | | | | | | | | | | 100 | 56 | 78 | |
| 6 | 34 | 17 | 26 | | | | | | | | | | | | | | 100 | 44 | 72 | |
| 7 | 43 | 18 | 30 | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 8 | 41 | 22 | 32 | 26 | 24 | 25 | 28 | 24 | 26 | 1969 | 10 | 0.10 | 2 | | | | 100 | 52 | 76 | |
| 9 | 40 | 19 | 30 | | | | | | | | | | | | | | 100 | 52 | 76 | |
| 10 | 37 | 19 | 28 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 11 | 26 | 06 | 16 | | | | | | | | | | | | | | 100 | 94 | 97 | |
| 12 | 32 | 04 | 18 | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 13 | 39 | 14 | 26 | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 14 | 33 | 13 | 23 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 15 | 38 | 17 | 28 | 29 | 24 | 26 | 28 | 25 | 26 | 761 | 4 | 0.25 | 5 | | | | 90 | 47 | 68 | |
| 16 | 40 | 26 | 33 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 17 | 40 | 30 | 35 | | | | | | | | | | | | | | 64 | 36 | 50 | |
| 18 | 52 | 31 | 42 | | | | | | | | | | | | | | 60 | 28 | 44 | |
| 19 | 58 | 34 | 46 | | | | | | | | | | | | | | 54 | 20 | 37 | |
| 20 | 58 | 36 | 47 | | | | | | | | | | | | | | 41 | 27 | 34 | |
| 21 | 51 | 31 | 41 | | | | | | | | | | | | | | 82 | 38 | 60 | |
| 22 | 61 | 32 | 46 | 32 | 25 | 29 | 30 | 26 | 28 | 1432 | 9 | 0.10 | 2 | | | | 80 | 25 | 52 | |
| 23 | 55 | 34 | 44 | | | | | | | | | | | | | | 54 | 28 | 41 | |
| 24 | 50 | 28 | 39 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 25 | 46 | 26 | 36 | | | | | | | | | | | | | | 74 | 47 | 60 | |
| 26 | 31 | 15 | 23 | | | | | | | | | | | | | | 65 | 44 | 54 | |
| 27 | 22 | 14 | 18 | | | | | | | | | | | | | | 90 | 50 | 70 | |
| 28 | 18 | 08 | 13 | 30 | 22 | 26 | 30 | 25 | 28 | 1355 | 9 | 0.00 | T | 17 | 10 | | 100 | 74 | 87 | |
| 29 | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 61 | 04 | 31 | 32 | 22 | 27 | 30 | 24 | 27 | 5517 | 8 | 0.45 | | | | | 100 | 16 | 63 | |
| Month Mean | 41 | 22 | | 29 | 24 | | 29 | 25 | | | | | | | | | 83 | 43 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month March Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|----------------------|--|---------------|----|----|--------------|----|-------------------------------|-----------------|------------------|----------------------|-----------------------|-------------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 26 | 06 | 16 | | | | | | | | | | | | | 100 | 74 | 87 |
| 2 | 31 | 08 | 20 | | | | | | | | | | | | | 100 | 60 | 80 |
| 3 | 23 | 06 | 14 | | | | | | | | | | | | | 100 | 87 | 94 |
| 4 | 36 | 08 | 22 | | | | | | | | | | | | | 100 | 35 | 68 |
| 5 | 41 | 05 | 23 | | | | | | | | | | | | | 100 | 34 | 67 |
| 6 | 45 | 18 | 32 | | | | | | | | | | | | | 100 | 30 | 65 |
| 7 | 33 | 19 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 78 | 89 |
| 8 | 48 | 20 | 34 | 28 | 22 | 25 | 28 | 25 | 26 | 597 | 3 | 0.85 | 10 | | | 100 | 25 | 62 |
| 9 | 25 | 08 | 16 | | | | | | | | | | | | | 100 | 88 | 94 |
| 10 | 21 | 06 | 14 | | | | | | | | | | | | | 100 | 75 | 88 |
| 11 | 19 | -02 | 08 | | | | | | | | | | | | | 100 | 74 | 87 |
| 12 | 22 | 03 | 12 | | | | | | | | | | | | | 100 | 68 | 84 |
| 13 | 23 | -02 | 10 | | | | | | | | | | | | | 100 | 62 | 81 |
| 14 | 34 | 07 | 20 | | | | | | | | | | | | | 100 | 52 | 76 |
| 15 | 38 | 13 | 26 | 28 | 26 | 28 | 29 | 28 | 28 | 332 | 2 | 0.50 | 10 | | | 100 | 42 | 71 |
| 16 | 25 | 00 | 12 | | | | | | | | | | | | | 100 | 92 | 96 |
| 17 | 37 | -01 | 18 | | | | | | | | | | | | | 100 | 54 | 77 |
| 18 | 36 | 16 | 26 | | | | | | | | | | | | | 100 | 30 | 65 |
| 19 | 41 | 13 | 27 | | | | | | | | | | | | | 100 | 32 | 66 |
| 20 | 53 | 22 | 38 | | | | | | | | | | | | 61 | 23 | 42 | |
| 21 | 50 | 29 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 35 | 68 |
| 22 | 47 | 27 | 37 | 31 | 28 | 29 | 31 | 28 | 30 | 898 | 5 | 0.65 | 12 | | | 100 | 52 | 76 |
| 23 | 36 | 26 | 31 | | | | | | | | | | | | | 100 | 96 | 98 |
| 24 | 45 | 25 | 35 | | | | | | | | | | | | | 100 | 56 | 78 |
| 25 | 45 | 20 | 32 | | | | | | | | | | | | | 100 | 54 | 77 |
| 26 | 42 | 20 | 31 | | | | | | | | | | | | | 100 | N-D | N-D |
| 27 | 46 | 16 | 31 | | | | | | | | | | | | | 100 | 24 | 62 |
| 28 | 29 | 19 | 24 | | | | | | | | | | | | | 100 | 98 | 99 |
| 29 | 38 | 17 | 28 | | | | | | | | | | | | | 100 | 70 | 85 |
| 30 | 52 | 21 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 23 | 62 |
| 31 | 48 | 23 | 36 | 31 | 30 | 30 | 32 | 30 | 31 | 751 | 4 | 1.00 | 12 | 14 | 13 | 100 | 30 | 65 |
| Month Mean | 53 | -02 | 25 | 31 | 27 | 28 | 32 | 25 | 29 | 2578 | 4 | 3.00 | | | | 100 | 23 | 77 |
| Key | Thermograph (Bourdon Tube) ① | Average of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Average of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4%; at 11-13" = 4%
 ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month April Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|----------------------|--|---------------|----|----|--------------|----|-------------------------------|-----------------|------------------|----------------------|-----------------------|-------------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 47 | 20 | 34 | | | | | | | | | | | | 68 | 21 | 44 | |
| 2 | 46 | 27 | 36 | | | | | | | | | | | | 100 | 40 | 70 | |
| 3 | 51 | 25 | 38 | | | | | | | | | | | | 100 | 30 | 65 | |
| 4 | 34 | 21 | 28 | | | | | | | | | | | | 100 | 38 | 69 | |
| 5 | 33 | 20 | 26 | | | | | | | | | | | | 58 | 41 | 50 | |
| 6 | 45 | 21 | 33 | | | | | | | | | | | | 100 | 30 | 65 | |
| 7 | 45 | 19 | 32 | 32 | 30 | 31 | 32 | 31 | 32 | 1838 | 11 | 0.15 | 10 | | | 100 | 46 | 73 |
| 8 | 36 | 20 | 28 | | | | | | | | | | | | | 100 | 88 | 94 |
| 9 | 34 | 19 | 26 | | | | | | | | | | | | | 100 | 80 | 90 |
| 10 | 35 | 18 | 26 | | | | | | | | | | | | | 100 | 44 | 72 |
| 11 | 36 | 16 | 26 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | 100 | 66 | 83 |
| 12 | 42 | 17 | 30 | 32 | 30 | 31 | 32 | 30 | 31 | 380 | 3 | 1.05 | 18 | | | 100 | 55 | 78 |
| 13 | 50 | 18 | 34 | | | | | | | | | | | | | 100 | 29 | 64 |
| 14 | 55 | 32 | 44 | | | | | | | | | | | | 46 | 19 | 32 | |
| 15 | 59 | 31 | 45 | | | | | | | | | | | | 40 | 22 | 31 | |
| 16 | 64 | 41 | 52 | | | | | | | | | | | | 31 | 19 | 25 | |
| 17 | 58 | 37 | 48 | | | | | | | | | | | | 83 | 26 | 54 | |
| 18 | 56 | 38 | 47 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | 76 | 45 | 60 | |
| 19 | 51 | 32 | 42 | 44 | 31 | 38 | 32 | 32 | 32 | 1446 | 9 | 0.00 | 3 | | | 100 | 36 | 68 |
| 20 | 51 | 34 | 42 | | | | | | | | | | | | | 100 | 40 | 70 |
| 21 | 47 | 27 | 37 | | | | | | | | | | | | | 100 | 31 | 66 |
| 22 | 55 | 27 | 41 | | | | | | | | | | | | | 100 | 16 | 58 |
| 23 | 41 | 13 | 27 | | | | | | | | | | | | | 100 | 34 | 67 |
| 24 | 28 | 12 | 20 | | | | | | | | | | | | | 100 | 71 | 86 |
| 25 | 32 | 18 | 25 | | | | | | | | | | | | | 100 | 88 | 94 |
| 26 | 37 | 19 | 28 | 44 | 32 | 38 | 35 | 32 | 34 | 1263 | 8 | 1.40 | 8 | | | 100 | 78 | 89 |
| 27 | 46 | 22 | 34 | | | | | | | | | | | | | 100 | 30 | 65 |
| 28 | 37 | 20 | 28 | | | | | | | | | | | | | 100 | 62 | 81 |
| 29 | 34 | 18 | 26 | | | | | | | | | | | | | 100 | 74 | 87 |
| 30 | 51 | 22 | 36 | 32 | 32 | 32 | 32 | 32 | 32 | 469 | 5 | 0.35 | 7 | N-D | N-D | 100 | 38 | 69 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month Mean | 64 | 12 | 34 | 44 | 30 | 34 | 35 | 30 | 32 | 5396 | 8 | 2.95 | | | | 100 | 16 | 67 |
| Key | Thermograph (Bourdon Tube) ① | Average of Max & Min | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygrograph (Hair) ① | Average of Max & Min | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 5-7" = 4%; at 11-13" = 4%
 ② Rim of gauge 40 inches above ground

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month May Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|-----------------|------|--|----------|----------|-------------------------------|------------|---------------------|-----------------------|-------------------------------------|--------------------|-----------------|-------------------|-------|------|------|------|
| | Max. | Min. | Mean | 5-7 Max. | 5-7 Min. | 5-7 Mean | 11-13 Max. | 11-13 Min. | | | 11-13 Mean | Total Miles | Av. Vel. mph | 5-7 | 11-13 | Max. | Min. | Mean |
| 1 | 55 | 30 | 42 | | | | | | | | | | | | 100 | 30 | 65 | |
| 2 | 55 | 34 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 92 | 36 | 64 | |
| 3 | 59 | 35 | 47 | 36 | 32 | 34 | 34 | 32 | 33 | 342 | 5 | 0.15 | T | | 100 | 32 | 66 | |
| 4 | 63 | 35 | 49 | | | | | | | | | | | | 100 | 23 | 62 | |
| 5 | 66 | 39 | 52 | | | | | | | | | | | | 72 | 24 | 48 | |
| 6 | 70 | 39 | 54 | | | | | | | | | | | | 70 | 25 | 48 | |
| 7 | 63 | 38 | 50 | | | | | | | | | | | | 100 | 32 | 66 | |
| 8 | 41 | 31 | 36 | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 50 | 31 | 40 | | | | | | | | | | | | 100 | 44 | 72 | |
| 10 | 62 | 37 | 50 | | | | | | | | | | | | 89 | 28 | 58 | |
| 11 | 66 | 43 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 74 | 29 | 52 | |
| 12 | 71 | 41 | 56 | 50 | 33 | 42 | 45 | 33 | 39 | 1001 | 5 | 1.25 | 0 | | 58 | 24 | 41 | |
| 13 | 60 | 38 | 49 | | | | | | | | | | | | 100 | 44 | 72 | |
| 14 | 39 | 32 | 36 | | | | | | | | | | | | 100 | 100 | 100 | |
| 15 | 42 | 30 | 36 | | | | | | | | | | | | 100 | 100 | 100 | |
| 16 | 56 | 32 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 100 | 30 | 65 | |
| 17 | 63 | 40 | 52 | 53 | 37 | 45 | 48 | 39 | 44 | 597 | 5 | 1.15 | 0 | | 100 | 28 | 64 | |
| 18 | 58 | 37 | 48 | | | | | | | | | | | | 100 | 65 | 82 | |
| 19 | 67 | 43 | 55 | | | | | | | | | | | | 100 | 31 | 66 | |
| 20 | 70 | 47 | 58 | | | | | | | | | | | | 90 | 28 | 59 | |
| 21 | 75 | 48 | 62 | | | | | | | | | | | | 56 | 23 | 40 | |
| 22 | 65 | 40 | 52 | | | | | | | | | | | | 100 | 50 | 75 | |
| 23 | 70 | 40 | 55 | | | | | | | | | | | | 100 | 30 | 65 | |
| 24 | 67 | 43 | 55 | 58 | 43 | 50 | 52 | 43 | 48 | 825 | 5 | 1.85 | 0 | | 100 | 47 | 74 | |
| 25 | 71 | 44 | 58 | | | | | | | | | | | | 100 | 23 | 62 | |
| 26 | 74 | 50 | 62 | | | | | | | | | | | | 45 | 21 | 33 | |
| 27 | 71 | 46 | 58 | | | | | | | | | | | | 100 | 24 | 62 | |
| 28 | 76 | 46 | 61 | | | | | | | | | | | | 100 | 16 | 58 | |
| 29 | 77 | 55 | 66 | | | | | | | | | | | | 44 | 22 | 33 | |
| 30 | 75 | 52 | 64 | | | | | | | | | | | | 43 | 20 | 32 | |
| 31 | 70 | 48 | 59 | 63 | 48 | 56 | 57 | 48 | 53 | 1340 | 8 | 0.75 | 0 | 12 | 13 | 100 | 30 | 65 |
| Month | 77 | 30 | 52 | 63 | 32 | 45 | 57 | 32 | 43 | 4105 | 6 | 5.15 | | | | 100 | 16 | 63 |
| Month Mean | 63 | 40 | 52 | 52 | 39 | 47 | 47 | 39 | 47 | | | | | | 88 | 37 | | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month June Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | Wind | | Precip Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" 11-13" | | | Relative Humidity | | | | |
|------------|------------------------------|-----------------|------|--|----------|----------|-------------------------------|------------|---------------------|-----------------------|-------------------------------------|--------------------|-----------------|-------------------|-------|------|------|------|
| | Max. | Min. | Mean | 5-7 Max. | 5-7 Min. | 5-7 Mean | 11-13 Max. | 11-13 Min. | | | 11-13 Mean | Total Miles | Av. Vel. mph | 5-7 | 11-13 | Max. | Min. | Mean |
| 1 | 71 | 43 | 57 | | | | | | | | | | | | 100 | 46 | 73 | |
| 2 | 76 | 51 | 64 | | | | | | | | | | | | 40 | 24 | 32 | |
| 3 | 83 | 50 | 66 | | | | | | | | | | | | 36 | 14 | 25 | |
| 4 | 72 | 46 | 59 | | | | | | | | | | | | 100 | 24 | 62 | |
| 5 | 52 | 44 | 48 | | | | | | | | | | | | 100 | 87 | 94 | |
| 6 | 73 | 45 | 59 | | | | | | | | | | | | 100 | 30 | 65 | |
| 7 | 73 | 50 | 62 | | | | | | | | | | | | 100 | 30 | 65 | |
| 8 | 70 | 54 | 62 | | | | | | | | | | | | 97 | 23 | 60 | |
| 9 | 73 | 48 | 60 | 70 | 51 | 60 | 61 | 53 | 57 | 1160 | 5 | 1.51 | 0 | | 34 | 20 | 27 | |
| 10 | 71 | 45 | 58 | | | | | | | | | | | | 86 | 29 | 58 | |
| 11 | 67 | 40 | 54 | | | | | | | | | | | | 100 | 34 | 67 | |
| 12 | 70 | 50 | 60 | | | | | | | | | | | | 60 | 22 | 41 | |
| 13 | 60 | 38 | 49 | | | | | | | | | | | | 100 | 64 | 82 | |
| 14 | 76 | 42 | 59 | | | | | | | | | | | | 100 | 11 | 56 | |
| 15 | 77 | 43 | 60 | | | | | | | | | | | | 100 | 16 | 58 | |
| 16 | 67 | 43 | 55 | 71 | 52 | 62 | 63 | 54 | 58 | 889 | 5 | 0.00 | 0 | | 100 | 51 | 76 | |
| 17 | 70 | 41 | 56 | | | | | | | | | | | | 100 | 40 | 70 | |
| 18 | 75 | 46 | 60 | | | | | | | | | | | | 100 | 26 | 63 | |
| 19 | 69 | 41 | 55 | | | | | | | | | | | | 100 | 51 | 76 | |
| 20 | 52 | 44 | 48 | | | | | | | | | | | | 100 | 85 | 92 | |
| 21 | 58 | 43 | 50 | | | | | | | | | | | | 100 | 50 | 75 | |
| 22 | 70 | 38 | 54 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 100 | 28 | 64 | |
| 23 | 72 | 47 | 60 | 70 | 53 | 62 | 63 | 54 | 59 | 729 | 4 | 0.17 | 0 | | 98 | 40 | 69 | |
| 24 | 77 | 37 | 57 | | | | | | | | | | | | 100 | 29 | 64 | |
| 25 | 41 | 31 | 36 | | | | | | | | | | | | 100 | 100 | 100 | |
| 26 | 61 | 35 | 48 | | | | | | | | | | | | 100 | 62 | 81 | |
| 27 | 78 | 45 | 62 | | | | | | | | | | | | 100 | 16 | 58 | |
| 28 | 83 | 56 | 70 | | | | | | | | | | | | 42 | 15 | 28 | |
| 29 | 83 | 55 | 69 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | 43 | 19 | 31 | |
| 30 | 82 | 57 | 70 | 68 | 48 | 58 | 63 | 51 | 57 | 815 | 5 | 1.07 | 0 | 9 | 9 | 40 | 19 | 30 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 83 | 31 | 58 | 71 | 48 | 60 | 63 | 51 | 58 | 3593 | 5 | 2.75 | | | 100 | 11 | 61 | |
| Month Mean | 70 | 45 | 58 | 70 | 51 | 62 | 62 | 53 | 62 | | | | | | 86 | 37 | | |
| Key | Thermograph (Bourdon Tube) ① | Av of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter

③ Permanent wilting percentage:

② Rim of gauge 40 inches above ground

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission, and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month July Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 76 | 51 | 64 | | | | | | | | | | | | | | | 68 | 24 | 46 |
| 2 | 77 | 46 | 62 | | | | | | | | | | | | | | | 100 | 33 | 66 |
| 3 | 77 | 46 | 62 | | | | | | | | | | | | | | | 100 | 17 | 58 |
| 4 | 67 | 41 | 54 | | | | | | | | | | | | | | | 100 | 52 | 76 |
| 5 | 49 | 40 | 44 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 6 | 63 | 38 | 50 | | | | | | | | | | | | | | | 100 | 57 | 78 |
| 7 | 75 | 43 | 59 | 73 | 51 | 62 | 66 | 54 | 60 | 710 | 4 | 0.38 | 0 | | | | 100 | 25 | 62 | |
| 8 | 81 | 52 | 66 | | | | | | | | | | | | | | | 93 | 21 | 57 |
| 9 | 76 | 50 | 63 | | | | | | | | | | | | | | | 100 | 45 | 72 |
| 10 | 86 | 51 | 68 | | | | | | | | | | | | | | | 100 | 12 | 56 |
| 11 | 74 | 45 | 60 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 12 | 80 | 55 | 68 | | | | | | | | | | | | | | | 47 | 18 | 32 |
| 13 | 83 | 59 | 71 | | | | | | | | | | | | | | | 31 | 13 | 22 |
| 14 | 73 | 44 | 58 | 74 | 54 | 64 | 67 | 55 | 61 | 1188 | 7 | 0.00 | 0 | | | | 100 | 20 | 60 | |
| 15 | 63 | 43 | 53 | | | | | | | | | | | | | | | 100 | 69 | 84 |
| 16 | 76 | 47 | 62 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 17 | 79 | 50 | 64 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 18 | 70 | 50 | 60 | | | | | | | | | | | | | | | 100 | 55 | 78 |
| 19 | 75 | 50 | 62 | | | | | | | | | | | | | | | 100 | 20 | 60 |
| 20 | 73 | 47 | 60 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 21 | 68 | 45 | 56 | 71 | 55 | 63 | 65 | 58 | 61 | 675 | 4 | 1.24 | 0 | | | | 100 | 52 | 76 | |
| 22 | 69 | 45 | 57 | | | | | | | | | | | | | | | 100 | 41 | 70 |
| 23 | 83 | 53 | 68 | | | | | | | | | | | | | | | 78 | 16 | 47 |
| 24 | 71 | 49 | 60 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 25 | 73 | 48 | 60 | | | | | | | | | | | | | | | 100 | 26 | 63 |
| 26 | 74 | 46 | 60 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 27 | 58 | 40 | 49 | | | | | | | | | | | | | | | 100 | 75 | 88 |
| 28 | 76 | 43 | 60 | 72 | 54 | 63 | 65 | 57 | 61 | 934 | 6 | 0.68 | 0 | | | | 100 | 33 | 66 | |
| 29 | 85 | 56 | 70 | | | | | | | | | | | | | | | 57 | 20 | 38 |
| 30 | 75 | 48 | 62 | | | | | | | | | | | | | | | 100 | 31 | 66 |
| 31 | 75 | 48 | 62 | 74 | 58 | 66 | 66 | 57 | 61 | 480 | 7 | 0.00 | 0 | | | | 74 | 26 | 50 | |
| Month | 86 | 38 | 60 | 74 | 51 | 64 | 67 | 54 | 61 | 3987 | 5 | 2.30 | | | | | 100 | 12 | 63 | |
| Month Mean | 74 | 47 | | 73 | 54 | | 66 | 56 | | | | | | | | | 92 | 35 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month August Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. 5-7" II-13" | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------------------|------|------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | | Max. | Min. | Mean | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 78 | 52 | 65 | | | | | | | | | | | | | | | 52 | 30 | 41 |
| 2 | 83 | 53 | 68 | | | | | | | | | | | | | | | 57 | 24 | 40 |
| 3 | 84 | 57 | 70 | | | | | | | | | | | | | | | 46 | 29 | 38 |
| 4 | 83 | 53 | 68 | 74 | 60 | 67 | 67 | 61 | 64 | 439 | 5 | 0.00 | 0 | | | | 100 | 31 | 66 | |
| 5 | 82 | 55 | 68 | | | | | | | | | | | | | | | 68 | 25 | 46 |
| 6 | 81 | 56 | 68 | | | | | | | | | | | | | | | 66 | 26 | 46 |
| 7 | 86 | 57 | 72 | | | | | | | | | | | | | | | 65 | 14 | 40 |
| 8 | 87 | 59 | 73 | | | | | | | | | | | | | | | 34 | 17 | 26 |
| 9 | 87 | 59 | 73 | | | | | | | | | | | | | | | 38 | 24 | 31 |
| 10 | 79 | 54 | 66 | | | | | | | | | | | | | | | 100 | 38 | 69 |
| 11 | 80 | 51 | 66 | 79 | 60 | 70 | 69 | 62 | 66 | 782 | 5 | 0.27 | 0 | | | | 100 | 40 | 70 | |
| 12 | 82 | 54 | 68 | | | | | | | | | | | | | | | 100 | 30 | 65 |
| 13 | 85 | 54 | 70 | | | | | | | | | | | | | | | 100 | 29 | 64 |
| 14 | 83 | 59 | 71 | | | | | | | | | | | | | | | 57 | 25 | 41 |
| 15 | 85 | 52 | 68 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 16 | 73 | 50 | 62 | | | | | | | | | | | | | | | 100 | 40 | 70 |
| 17 | 78 | 51 | 64 | | | | | | | | | | | | | | | 82 | 35 | 58 |
| 18 | 73 | 52 | 62 | 70 | 58 | 64 | 66 | 61 | 64 | 693 | 4 | 0.61 | 0 | | | | 100 | 41 | 70 | |
| 19 | 70 | 50 | 60 | | | | | | | | | | | | | | | 100 | 54 | 77 |
| 20 | 68 | 50 | 59 | | | | | | | | | | | | | | | 100 | 49 | 74 |
| 21 | 71 | 48 | 60 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 22 | 66 | 47 | 56 | | | | | | | | | | | | | | | 100 | 50 | 75 |
| 23 | 51 | 42 | 46 | | | | | | | | | | | | | | | 100 | 71 | 86 |
| 24 | 63 | 41 | 52 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 25 | 70 | 50 | 60 | 71 | 52 | 62 | 64 | 54 | 59 | 734 | 4 | 1.73 | 0 | | | | 67 | 35 | 51 | |
| 26 | 79 | 50 | 64 | | | | | | | | | | | | | | | 67 | 16 | 42 |
| 27 | 76 | 56 | 66 | | | | | | | | | | | | | | | 49 | 28 | 38 |
| 28 | 77 | 53 | 65 | | | | | | | | | | | | | | | 83 | 30 | 56 |
| 29 | 74 | 52 | 63 | | | | | | | | | | | | | | | 78 | 33 | 56 |
| 30 | 71 | 46 | 58 | | | | | | | | | | | | | | | 90 | 33 | 62 |
| 31 | 78 | 45 | 62 | 69 | 57 | 63 | 63 | 55 | 59 | 894 | 6 | 0.35 | 0 | | | | 84 | 30 | 57 | |
| Month | 87 | 41 | 64 | 79 | 52 | 65 | 69 | 54 | 62 | 3542 | 5 | 2.96 | | | | | 100 | 14 | 57 | |
| Month Mean | 77 | 52 | | 73 | 57 | | 66 | 59 | | | | | | | | | 80 | 34 | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 4%
at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month September Year 1958

UNIVERSITY OF COLORADO -- INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------|-------|--------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 7-11" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 80 | 53 | 66 | | | | | | | | | | | | | | | 39 | 17 | 28 |
| 2 | 79 | 54 | 66 | | | | | | | | | | | | | | | 36 | 22 | 29 |
| 3 | 74 | 48 | 61 | | | | | | | | | | | | | | | 98 | 32 | 65 |
| 4 | 77 | 42 | 60 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 5 | 70 | 46 | 58 | | | | | | | | | | | | | | | 100 | 37 | 68 |
| 6 | 75 | 48 | 62 | | | | | | | | | | | | | | | 64 | 25 | 44 |
| 7 | 74 | 48 | 61 | | | | | | | | | | | | | | | 76 | 32 | 54 |
| 8 | 77 | 51 | 64 | 70 | 56 | 63 | 65 | 58 | 62 | 976 | 5 | 0.07 | 0 | | | | 100 | 34 | 67 | |
| 9 | 70 | 47 | 58 | | | | | | | | | | | | | | | 100 | 42 | 71 |
| 10 | 74 | 47 | 60 | | | | | | | | | | | | | | | 100 | 34 | 67 |
| 11 | 78 | 51 | 64 | | | | | | | | | | | | | | | 63 | 28 | 46 |
| 12 | 82 | 52 | 67 | | | | | | | | | | | | | | | 72 | 22 | 47 |
| 13 | 63 | 41 | 52 | | | | | | | | | | | | | | | 100 | 53 | 76 |
| 14 | 60 | 37 | 48 | | | | | | | | | | | | | | | 93 | 23 | 58 |
| 15 | 54 | 30 | 42 | 68 | 52 | 60 | 62 | 56 | 59 | 879 | 5 | 0.37 | 0 | | | | 100 | 51 | 76 | |
| 16 | 55 | 28 | 42 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 17 | 73 | 40 | 56 | | | | | | | | | | | | | | | 52 | 18 | 35 |
| 18 | 62 | 41 | 52 | | | | | | | | | | | | | | | 100 | 25 | 62 |
| 19 | 72 | 41 | 56 | | | | | | | | | | | | | | | 76 | 16 | 46 |
| 20 | 65 | 36 | 50 | 60 | 44 | 52 | 56 | 50 | 53 | 495 | 4 | 0.40 | 0 | | | | 48 | 31 | 40 | |
| 21 | 74 | 36 | 55 | | | | | | | | | | | | | | | 52 | 22 | 37 |
| 22 | 77 | 50 | 64 | | | | | | | | | | | | | | | 32 | 19 | 26 |
| 23 | 74 | 50 | 62 | | | | | | | | | | | | | | | 53 | 24 | 38 |
| 24 | 56 | 30 | 43 | | | | | | | | | | | | | | | 100 | 52 | 76 |
| 25 | 62 | 26 | 44 | | | | | | | | | | | | | | | 100 | 27 | 64 |
| 26 | 56 | 30 | 43 | | | | | | | | | | | | | | | 100 | 36 | 68 |
| 27 | 63 | 33 | 48 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 28 | 72 | 43 | 58 | | | | | | | | | | | | | | | 100 | 18 | 59 |
| 29 | 66 | 25 | 46 | | | | | | | | | | | | | | | 100 | 28 | 64 |
| 30 | 32 | 23 | 28 | 62 | 48 | 55 | 58 | 48 | 53 | 1106 | 5 | 0.45 | 2 | 5 | 7 | | 100 | 100 | 100 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 82 | 23 | 53 | 70 | 44 | 57 | 65 | 48 | 57 | 3456 | 5 | 1.29 | | | | | 100 | 16 | 57 | |
| Month Mean | 66 | 40 | | 65 | 50 | | 60 | 53 | | | | | | | | | 82 | 32 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 4%
 - at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month October Year 1958

UNIVERSITY OF COLORADO -- INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|--------------|------|------|---------------|------|------|--------------|------|------|-------------|--------------|----------------------|-----------------------|-------------------------|-------|--------|-------------------|------|------|-----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 5-7" | 7-11" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 59 | 25 | 42 | | | | | | | | | | | | | | | 100 | 22 | 61 |
| 2 | 54 | 30 | 42 | | | | | | | | | | | | | | | 100 | 35 | 68 |
| 3 | 67 | 39 | 53 | | | | | | | | | | | | | | | 40 | 22 | 31 |
| 4 | 72 | 46 | 59 | 50 | 40 | 45 | 49 | 44 | 46 | 346 | 4 | 0.20 | 0 | | | | 31 | 17 | 24 | |
| 5 | 71 | 46 | 58 | | | | | | | | | | | | | | | 30 | 18 | 24 |
| 6 | 70 | 47 | 58 | | | | | | | | | | | | | | | 30 | 17 | 24 |
| 7 | 67 | 43 | 55 | | | | | | | | | | | | | | | 35 | 18 | 26 |
| 8 | 61 | 42 | 52 | | | | | | | | | | | | | | | 34 | 22 | 28 |
| 9 | 48 | 28 | 38 | | | | | | | | | | | | | | | 100 | 32 | 66 |
| 10 | 57 | 35 | 46 | | | | | | | | | | | | | | | 56 | 36 | 46 |
| 11 | 66 | 39 | 52 | 53 | 41 | 47 | 51 | 45 | 48 | 1188 | 7 | 0.00 | 0 | | | | 54 | 26 | 40 | |
| 12 | 70 | 46 | 58 | | | | | | | | | | | | | | | 40 | 23 | 32 |
| 13 | 67 | 46 | 56 | | | | | | | | | | | | | | | 39 | 26 | 32 |
| 14 | 71 | 45 | 58 | | | | | | | | | | | | | | | 35 | 19 | 27 |
| 15 | 74 | 44 | 59 | | | | | | | | | | | | | | | 29 | 11 | 20 |
| 16 | 63 | 38 | 50 | | | | | | | | | | | | | | | 50 | 23 | 36 |
| 17 | 62 | 36 | 49 | | | | | | | | | | | | | | | 49 | 26 | 38 |
| 18 | 78 | 46 | 62 | 50 | 40 | 45 | 48 | 44 | 46 | 699 | 4 | 0.10 | 0 | | | | 26 | 11 | 18 | |
| 19 | 73 | 48 | 60 | | | | | | | | | | | | | | | 24 | 15 | 20 |
| 20 | 50 | 25 | 38 | | | | | | | | | | | | | | | 100 | 24 | 62 |
| 21 | 52 | 23 | 38 | | | | | | | | | | | | | | | 63 | 27 | 45 |
| 22 | 55 | 23 | 39 | | | | | | | | | | | | | | | 64 | 15 | 40 |
| 23 | 66 | 33 | 50 | | | | | | | | | | | | | | | 23 | 10 | 16 |
| 24 | 61 | 33 | 47 | | | | | | | | | | | | | | | 29 | 19 | 24 |
| 25 | 42 | 23 | 32 | 51 | 35 | 43 | 48 | 39 | 44 | 1240 | 8 | 0.00 | 0 | | | | 100 | 29 | 64 | |
| 26 | 47 | 25 | 36 | | | | | | | | | | | | | | | 100 | 60 | 80 |
| 27 | 42 | 26 | 34 | | | | | | | | | | | | | | | 100 | 66 | 83 |
| 28 | 30 | 23 | 26 | | | | | | | | | | | | | | | 100 | 100 | 100 |
| 29 | 27 | 13 | 20 | | | | | | | | | | | | | | | 100 | 96 | 98 |
| 30 | 44 | 14 | 29 | | | | | | | | | | | | | | | 100 | 48 | 74 |
| 31 | 49 | 23 | 36 | 39 | 35 | 37 | 40 | 38 | 39 | 291 | 2 | 0.80 | | | | | 100 | 25 | 62 | |
| Month | 78 | 13 | 46 | 53 | 35 | 43 | 51 | 38 | 45 | 3764 | 5 | 1.10 | | | | | 100 | 10 | 46 | |
| Month Mean | 58 | 34 | | 49 | 38 | | 47 | 42 | | | | | | | | | 61 | 30 | | |

- ① Instruments located in standard Weather Bureau Shelter
- ② Rim of gauge 40 inches above ground
- ③ Permanent wilting percentage:
 - at 5-7" = 4%
 - at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month November Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | N-D | N-D | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | |
| 1 | 52 | 27 | 40 | | | | | | | | | | | | 41 | 21 | 31 | |
| 2 | 52 | 26 | 39 | | | | | | | | | | | | 39 | 25 | 32 | |
| 3 | 49 | 28 | 38 | | | | | | | | | | | | 47 | 30 | 38 | |
| 4 | 50 | 33 | 42 | | | | | | | | | | | | 55 | 30 | 42 | |
| 5 | 44 | 21 | 32 | | | | | | | | | | | | 100 | 48 | 74 | |
| 6 | 44 | 21 | 32 | | | | | | | | | | | | 100 | 32 | 66 | |
| 7 | 41 | 27 | 34 | | | | | | | | | | | | 100 | 33 | 66 | |
| 8 | 46 | 27 | 36 | 36 | 32 | 34 | 38 | 36 | 37 | 1733 | 9 | 0.30 | 2 | | 86 | 25 | 56 | |
| 9 | 59 | 38 | 48 | | | | | | | | | | | | 65 | 31 | 48 | |
| 10 | 62 | 38 | 50 | | | | | | | | | | | | 60 | 21 | 40 | |
| 11 | 39 | 24 | 32 | | | | | | | | | | | | 100 | 45 | 72 | |
| 12 | 54 | 39 | 46 | | | | | | | | | | | | 67 | 28 | 48 | |
| 13 | 54 | 33 | 44 | | | | | | | | | | | | 64 | 15 | 40 | |
| 14 | 54 | 29 | 42 | | | | | | | | | | | | 61 | 27 | 44 | |
| 15 | 48 | 22 | 35 | 34 | 33 | 34 | 37 | 35 | 36 | 1398 | 8 | 0.10 | 0 | | 100 | 30 | 65 | |
| 16 | 23 | 04 | 14 | | | | | | | | | | | | 100 | 87 | 94 | |
| 17 | 25 | 04 | 14 | | | | | | | | | | | | 100 | 42 | 71 | |
| 18 | 33 | 10 | 22 | | | | | | | | | | | | 54 | 20 | 37 | |
| 19 | 48 | 25 | 36 | | | | | | | | | | | | 51 | 20 | 36 | |
| 20 | 55 | 31 | 43 | | | | | | | | | | | | 55 | 27 | 41 | |
| 21 | 44 | 29 | 36 | | | | | | | | | | | | 66 | 27 | 46 | |
| 22 | 56 | 30 | 43 | 34 | 32 | 33 | 36 | 33 | 34 | 1311 | 8 | 0.45 | 3 | | 66 | 18 | 42 | |
| 23 | 48 | 32 | 40 | | | | | | | | | | | | 44 | 25 | 34 | |
| 24 | 54 | 34 | 44 | | | | | | | | | | | | 33 | 20 | 26 | |
| 25 | 39 | 08 | 24 | | | | | | | | | | | | 100 | 30 | 65 | |
| 26 | 40 | 01 | 20 | | | | | | | | | | | | 100 | 27 | 64 | |
| 27 | 28 | -02 | 13 | | | | | | | | | | | | 100 | 80 | 90 | |
| 28 | 39 | 06 | 27 | | | | | | | | | | | | 89 | 29 | 59 | |
| 29 | 55 | 31 | 43 | | | | | | | | | | | | 34 | 18 | 26 | |
| 30 | 60 | 28 | 44 | 33 | 31 | 32 | 33 | 30 | 32 | 1382 | 7 | 0.45 | 8 | N-D | N-D | 31 | 12 | 22 |
| 31 | | | | | | | | | | | | | | | | | | |
| Month | 62 | -02 | 35 | 36 | 31 | 33 | 38 | 30 | 35 | 5824 | 8 | 1.30 | | | 100 | 12 | 51 | |
| Month Mean | 46 | 23 | | 34 | 32 | | 36 | 33 | | | | | | | 70 | 31 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. B-1 Altitude 8,500 ft. Exposure Ridgetop Month December Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, In. Total Depth | Soil Moisture % Dry Wt. | | Relative Humidity | | |
|------------|------------------------------|------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|-----------------------|-------------------------|------------------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | N-D | N-D | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | |
| 1 | 34 | 23 | 38 | | | | | | | | | | | | 44 | 20 | 32 | |
| 2 | 45 | 31 | 38 | | | | | | | | | | | | 38 | 20 | 29 | |
| 3 | 46 | 30 | 38 | | | | | | | | | | | | 100 | 38 | 69 | |
| 4 | 34 | 16 | 25 | | | | | | | | | | | | 100 | 38 | 69 | |
| 5 | 35 | 05 | 20 | | | | | | | | | | | | 100 | 30 | 65 | |
| 6 | 42 | 11 | 26 | 33 | 31 | 32 | 32 | 30 | 30 | 1993 | 13 | 0.60 | 0 | | 100 | 29 | 64 | |
| 7 | 42 | 28 | 35 | | | | | | | | | | | | 100 | 28 | 64 | |
| 8 | 35 | 28 | 32 | | | | | | | | | | | | 100 | 56 | 78 | |
| 9 | 38 | 19 | 28 | | | | | | | | | | | | 100 | 48 | 74 | |
| 10 | 34 | 24 | 29 | | | | | | | | | | | | 82 | 41 | 62 | |
| 11 | 39 | 17 | 28 | | | | | | | | | | | | 100 | 58 | 79 | |
| 12 | 30 | 11 | 20 | | | | | | | | | | | | 100 | 74 | 87 | |
| 13 | 24 | 05 | 14 | 32 | 31 | 31 | 33 | 32 | 32 | 2084 | 13 | 0.75 | 13 | | 100 | 43 | 72 | |
| 14 | 32 | 04 | 18 | | | | | | | | | | | | 100 | 23 | 62 | |
| 15 | 50 | 25 | 38 | | | | | | | | | | | | 38 | 17 | 28 | |
| 16 | 43 | 27 | 35 | | | | | | | | | | | | 48 | 22 | 35 | |
| 17 | 40 | 29 | 34 | | | | | | | | | | | | 46 | 34 | 40 | |
| 18 | 45 | 31 | 38 | | | | | | | | | | | | 41 | 25 | 33 | |
| 19 | 35 | 20 | 28 | | | | | | | | | | | | 100 | 33 | 66 | |
| 20 | 49 | 29 | 39 | | | | | | | | | | | | 52 | 19 | 36 | |
| 21 | 54 | 31 | 42 | | | | | | | | | | | | 38 | 14 | 26 | |
| 22 | 43 | 21 | 32 | 32 | 29 | 30 | 33 | 31 | 32 | 2186 | 10 | 0.00 | 12 | | 100 | 16 | 58 | |
| 23 | 29 | 18 | 24 | | | | | | | | | | | | 100 | 94 | 97 | |
| 24 | 36 | 18 | 27 | | | | | | | | | | | | 100 | 36 | 68 | |
| 25 | 42 | 19 | 31 | | | | | | | | | | | | 59 | 14 | 36 | |
| 26 | 38 | 19 | 28 | | | | | | | | | | | | 53 | 21 | 37 | |
| 27 | 43 | 26 | 34 | | | | | | | | | | | | 48 | 20 | 34 | |
| 28 | 27 | 13 | 20 | | | | | | | | | | | | 100 | 48 | 74 | |
| 29 | 19 | 02 | 10 | | | | | | | | | | | | 100 | 86 | 93 | |
| 30 | 29 | 02 | 16 | | | | | | | | | | | | 100 | 26 | 63 | |
| 31 | 32 | 12 | 22 | 30 | 27 | 28 | 32 | 29 | 30 | 1143 | 5 | 0.60 | 18 | N-D | N-D | 100 | 35 | 68 |
| Month | 54 | 02 | 29 | 33 | 27 | 31 | 33 | 29 | 31 | 7406 | 10 | 1.95 | | | 100 | 14 | 58 | |
| Month Mean | 38 | 19 | | 32 | 30 | | 32 | 30 | | | | | | | 80 | 36 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven Drying Method ③ | Hygograph (Hair) ① | Av. of Max & Min | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 4%

at 11-13" = 4%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month January Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|-----------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" 11-13" | % Dry Wt. | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 30 | 12 | 21 | | | | | | | | | | | | | | 51 | 20 | 36 |
| 2 | 38 | 05 | 22 | | | | | | | | | | | | | | 60 | 18 | 39 |
| 3 | 35 | 01 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 64 | 22 | 43 | |
| 4 | 37 | -01 | 18 | 27 | 18 | 22 | 26 | 23 | 25 | 859 | 9 | 0.15 | 17 | N-D | | 93 | 27 | 60 | |
| 5 | 40 | 00 | 20 | | | | | | | | | | | | | 62 | 27 | 44 | |
| 6 | 35 | 17 | 26 | | | | | | | | | | | | | 87 | 50 | 68 | |
| 7 | 36 | 15 | 26 | | | | | | | | | | | | | 71 | 40 | 56 | |
| 8 | 40 | 12 | 26 | | | | | | | | | | | | | 74 | 30 | 52 | |
| 9 | 39 | 16 | 28 | | | | | | | | | | | | | 49 | 23 | 36 | |
| 10 | 42 | 24 | 33 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 45 | 16 | 31 | |
| 11 | 25 | 13 | 19 | 29 | 18 | 25 | 28 | 22 | 25 | 1703 | 10 | 0.00 | 16 | N-D | | 79 | 32 | 56 | |
| 12 | 27 | 05 | 16 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 13 | 24 | 10 | 17 | | | | | | | | | | | | | 100 | 23 | 62 | |
| 14 | 22 | 09 | 16 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 15 | 31 | 18 | 24 | | | | | | | | | | | | | 91 | 25 | 58 | |
| 16 | 34 | 20 | 27 | | | | | | | | | | | | | 80 | 26 | 53 | |
| 17 | 44 | 06 | 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 19 | 60 | |
| 18 | 29 | 11 | 20 | 28 | 20 | 24 | 28 | 24 | 26 | 1724 | 10 | 0.00 | 16 | N-D | | 100 | 40 | 70 | |
| 19 | 13 | -02 | 06 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 20 | 18 | -12 | 03 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 21 | 30 | 03 | 16 | | | | | | | | | | | | | 66 | 16 | 41 | |
| 22 | 24 | -06 | 09 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 23 | 25 | -06 | 10 | | | | | | | | | | | | | 100 | 24 | 62 | |
| 24 | 25 | 13 | 19 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 94 | 97 | |
| 25 | 22 | 13 | 18 | 27 | 22 | 24 | 27 | 24 | 26 | 1886 | 11 | 0.70 | 24 | N-D | | 100 | 78 | 89 | |
| 26 | 26 | 01 | 14 | | | | | | | | | | | | | 100 | 56 | 78 | |
| 27 | 23 | 00 | 12 | | | | | | | | | | | | | 100 | 87 | 94 | |
| 28 | 20 | 11 | 16 | | | | | | | | | | | | | 100 | 52 | 76 | |
| 29 | 24 | 17 | 20 | | | | | | | | | | | | | 100 | 94 | 97 | |
| 30 | 29 | 08 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 60 | 80 | |
| 31 | 12 | 08 | 10 | 27 | 20 | 24 | 26 | 25 | 26 | 2202 | 14 | 0.70 | 32 | N-D | 20 | 21 | 100 | 88 | 94 |
| Month | 44 | -12 | 18 | 29 | 18 | 27 | 28 | 22 | 25 | 8374 | 11 | 1.55 | | | | 100 | 16 | 64 | |
| Month Mean | 29 | 08 | 18 | 28 | 24 | 27 | 27 | 24 | 26 | | | | | | | 86 | 42 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month February Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|-----------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total | Water Cont. | 5-7" 11-13" | % Dry Wt. | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | |
| 1 | 18 | 08 | 13 | | | | | | | | | | | | | 100 | 60 | 80 | |
| 2 | 33 | 12 | 22 | | | | | | | | | | | | | 64 | 18 | 41 | |
| 3 | 40 | 23 | 31 | | | | | | | | | | | | | 78 | 25 | 52 | |
| 4 | 36 | 20 | 28 | | | | | | | | | | | | | 100 | 61 | 80 | |
| 5 | 32 | 11 | 22 | | | | | | | | | | | | | 100 | 69 | 84 | |
| 6 | 22 | 13 | 18 | | | | | | | | | | | | | 100 | 70 | 85 | |
| 7 | 27 | 13 | 20 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 59 | 80 | |
| 8 | 39 | 18 | 28 | 30 | 18 | 24 | 28 | 24 | 26 | 1807 | 10 | 0.40 | 28 | N-D | | 100 | 47 | 74 | |
| 9 | 30 | 15 | 22 | | | | | | | | | | | | | 100 | 57 | 78 | |
| 10 | 25 | 12 | 18 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 11 | 23 | 06 | 14 | | | | | | | | | | | | | 100 | 52 | 76 | |
| 12 | 23 | 08 | 16 | | | | | | | | | | | | | 100 | 37 | 68 | |
| 13 | 25 | 11 | 18 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 14 | 17 | 11 | 14 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 76 | 88 | |
| 15 | 24 | 12 | 18 | 30 | 21 | 25 | 28 | 25 | 26 | 1363 | 8 | 0.40 | 34 | N-D | | 100 | 95 | 98 | |
| 16 | 27 | 23 | 25 | | | | | | | | | | | | | 100 | 88 | 94 | |
| 17 | 35 | 23 | 29 | | | | | | | | | | | | | 100 | 54 | 77 | |
| 18 | 42 | 27 | 34 | | | | | | | | | | | | | 71 | 28 | 50 | |
| 19 | 46 | 27 | 36 | | | | | | | | | | | | | 32 | 18 | 25 | |
| 20 | 47 | 24 | 36 | | | | | | | | | | | | | 80 | 29 | 54 | |
| 21 | 46 | 19 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 36 | 68 | |
| 22 | 48 | 22 | 35 | 32 | 23 | 27 | 30 | 25 | 28 | 1801 | 11 | 0.50 | 32 | N-D | | 93 | 24 | 58 | |
| 23 | 44 | 29 | 36 | | | | | | | | | | | | | 68 | 36 | 52 | |
| 24 | 41 | 21 | 31 | | | | | | | | | | | | | 100 | 60 | 80 | |
| 25 | 36 | 18 | 27 | | | | | | | | | | | | | 100 | 59 | 80 | |
| 26 | 18 | 07 | 12 | | | | | | | | | | | | | 100 | 62 | 81 | |
| 27 | 11 | 05 | 08 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 83 | 92 | |
| 28 | 12 | 03 | 08 | 32 | N-D | N-D | 31 | 25 | 28 | 2002 | 15 | 0.00 | 30 | 8 | 44 | 14 | 100 | 76 | 88 |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 48 | 03 | 23 | 32 | 18 | 26 | 31 | 24 | 27 | 6973 | 11 | 1.30 | | | | 100 | 18 | 73 | |
| Month Mean | 31 | 16 | 23 | 30 | 20 | 29 | 29 | 25 | 26 | | | | | | | 92 | 54 | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month March Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|--------|-----|-------------------|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 19 | -01 | 09 | | | | | | | | | | | | | | 100 | 73 | 86 | |
| 2 | 24 | 03 | 14 | | | | | | | | | | | | | | 100 | 54 | 77 | |
| 3 | 16 | 02 | 09 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 4 | 25 | 03 | 14 | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 5 | 29 | 02 | 16 | | | | | | | | | | | | | | 100 | 22 | 61 | |
| 6 | 37 | 01 | 19 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 7 | 31 | 12 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 88 | 94 | | |
| 8 | 34 | 16 | 25 | 28 | 18 | 23 | 28 | 24 | 26 | 952 | 5 | 1.00 | 37 | N-D | | 100 | 32 | 66 | | |
| 9 | 21 | -01 | 10 | | | | | | | | | | | | | 100 | 91 | 96 | | |
| 10 | 15 | -07 | 04 | | | | | | | | | | | | | 100 | 86 | 93 | | |
| 11 | 24 | -10 | 07 | | | | | | | | | | | | | 100 | 63 | 82 | | |
| 12 | 16 | -06 | 05 | | | | | | | | | | | | | 100 | 88 | 94 | | |
| 13 | 25 | -05 | 10 | | | | | | | | | | | | | 100 | 72 | 86 | | |
| 14 | 25 | -01 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 42 | 71 | | |
| 15 | 27 | 12 | 20 | 28 | 26 | 27 | 28 | 26 | 27 | 592 | 4 | 0.10 | 39 | N-D | | 100 | 54 | 77 | | |
| 16 | 21 | 03 | 12 | | | | | | | | | | | | | 100 | 92 | 96 | | |
| 17 | 29 | 08 | 18 | | | | | | | | | | | | | 100 | 49 | 74 | | |
| 18 | 20 | 11 | 16 | | | | | | | | | | | | | 100 | 48 | 74 | | |
| 19 | 26 | 09 | 18 | | | | | | | | | | | | | 100 | 42 | 71 | | |
| 20 | 39 | 17 | 28 | | | | | | | | | | | | | 72 | 22 | 47 | | |
| 21 | 38 | 24 | 31 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 31 | 66 | | |
| 22 | 37 | 22 | 30 | 29 | 26 | 28 | 29 | 27 | 28 | 1538 | 10 | 0.80 | 43 | N-D | | 100 | 52 | 76 | | |
| 23 | 25 | 20 | 22 | | | | | | | | | | | | | 100 | 100 | 100 | | |
| 24 | 35 | 11 | 23 | | | | | | | | | | | | | 100 | 57 | 78 | | |
| 25 | 34 | 10 | 22 | | | | | | | | | | | | | 100 | 48 | 74 | | |
| 26 | 23 | 13 | 18 | | | | | | | | | | | | | 100 | 36 | 68 | | |
| 27 | 32 | 07 | 20 | | | | | | | | | | | | | 100 | 20 | 60 | | |
| 28 | 26 | 14 | 20 | | | | | | | | | | | | | 100 | 96 | 98 | | |
| 29 | 32 | 16 | 24 | | | | | | | | | | | | | 100 | 49 | 74 | | |
| 30 | 37 | 20 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 80 | 33 | 56 | | |
| 31 | 38 | 10 | 24 | 30 | 28 | 29 | 30 | 28 | 29 | 1390 | 6 | 1.65 | 48 | 13 | 19 | 15 | 100 | 38 | 69 | |
| Month | 39 | -10 | 18 | 30 | 18 | 26 | 30 | 24 | 27 | 4472 | 6 | 3.55 | | | | 100 | 20 | 77 | | |
| Month Mean | 28 | 08 | | 28 | 24 | | 28 | 26 | | | | | | | | 98 | 56 | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 5%

at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month April Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|--------|-----|-------------------|------|--|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | | |
| 1 | 34 | 14 | 24 | | | | | | | | | | | | | | 82 | 23 | 52 | |
| 2 | 36 | 14 | 25 | | | | | | | | | | | | | | 100 | 38 | 69 | |
| 3 | 40 | 20 | 30 | | | | | | | | | | | | | | 90 | 26 | 58 | |
| 4 | 21 | 11 | 16 | | | | | | | | | | | | | | 100 | 51 | 76 | |
| 5 | 20 | 10 | 15 | | | | | | | | | | | | | | 100 | 71 | 86 | |
| 6 | 36 | 14 | 25 | | | | | | | | | | | | | | 100 | 25 | 62 | |
| 7 | 39 | 11 | 25 | 30 | 26 | 28 | 30 | 27 | 28 | 2300 | 13 | 0.40 | 48 | N-D | | 100 | 40 | 70 | | |
| 8 | 30 | 15 | 22 | | | | | | | | | | | | | | 100 | 80 | 90 | |
| 9 | 25 | 14 | 20 | | | | | | | | | | | | | | 100 | 91 | 96 | |
| 10 | 29 | 07 | 18 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 11 | 27 | -01 | 13 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 75 | 88 | | |
| 12 | 27 | 07 | 17 | 30 | 28 | 29 | 30 | 28 | 29 | 422 | 4 | 0.90 | 59 | N-D | | 100 | 76 | 88 | | |
| 13 | 40 | 02 | 21 | | | | | | | | | | | | | | 100 | 41 | 70 | |
| 14 | 43 | 28 | 36 | | | | | | | | | | | | | | 50 | 20 | 35 | |
| 15 | 48 | 29 | 38 | | | | | | | | | | | | | | 45 | 22 | 34 | |
| 16 | 53 | 26 | 40 | | | | | | | | | | | | | | 51 | 19 | 35 | |
| 17 | 49 | 28 | 38 | | | | | | | | | | | | | | 100 | 26 | 63 | |
| 18 | 41 | 30 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 46 | 73 | | |
| 19 | 38 | 28 | 33 | 32 | 29 | 30 | 32 | 28 | 30 | 1581 | 10 | 0.40 | 42 | N-D | | 100 | 46 | 73 | | |
| 20 | 39 | 26 | 32 | | | | | | | | | | | | | | 100 | 48 | 74 | |
| 21 | 34 | 25 | 30 | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 22 | 45 | 22 | 34 | | | | | | | | | | | | | | 100 | 18 | 59 | |
| 23 | 24 | 00 | 12 | | | | | | | | | | | | | | 100 | 45 | 78 | |
| 24 | 20 | 03 | 12 | | | | | | | | | | | | | | 100 | 92 | 96 | |
| 25 | 30 | 11 | 20 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 88 | 94 | | |
| 26 | 35 | 05 | 20 | 32 | 32 | 32 | 32 | 32 | 32 | 1484 | 9 | 1.50 | 53 | N-D | | 100 | 79 | 90 | | |
| 27 | 37 | 16 | 26 | | | | | | | | | | | | | | 100 | 32 | 66 | |
| 28 | 26 | 15 | 20 | | | | | | | | | | | | | | 100 | 49 | 74 | |
| 29 | 29 | 08 | 18 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 82 | 91 | | |
| 30 | 40 | 08 | 24 | 32 | 32 | 32 | 32 | 32 | 32 | 569 | 6 | 0.55 | 54 | 16 | 20 | 20 | 100 | 32 | 66 | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| Month | 53 | -01 | 25 | 32 | 26 | 30 | 32 | 27 | 30 | 6356 | 9 | 3.75 | | | | 100 | 18 | 71 | | |
| Month Mean | 34 | 15 | | 31 | 30 | | 31 | 29 | | | | | | | | 94 | 49 | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:

at 5-7" = 5%

at 11-13" = 9%

Data collected for Front Range Ecology Project
Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
and University of Colorado

Data collected for Front Range Ecology Project
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and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month May Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|-----|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" II-13" | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | % Dry Wt. | | | | |
| 1 | 45 | 17 | 31 | | | | | | | | | | | | | 100 | 29 | 64 | |
| 2 | 44 | 30 | 37 | | | | | | | | | | | | | 100 | 39 | 70 | |
| 3 | 48 | 27 | 38 | 32 | 32 | 32 | 32 | 32 | 32 | 421 | 6 | 0.15 | 45 | N-D | | 100 | 32 | 66 | |
| 4 | 50 | 27 | 38 | | | | | | | | | | | | | 82 | 47 | 64 | |
| 5 | 52 | 27 | 40 | | | | | | | | | | | | | 100 | 20 | 60 | |
| 6 | 55 | 28 | 42 | | | | | | | | | | | | | 98 | 26 | 62 | |
| 7 | 53 | 31 | 42 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 8 | 34 | 27 | 30 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 9 | 42 | 25 | 34 | | | | | | | | | | | | | 100 | 51 | 76 | |
| 10 | 53 | 34 | 44 | | | | | | | | | | | | | 100 | 24 | 62 | |
| 11 | 54 | 28 | 41 | | | | | | | | | | | | | 94 | 23 | 58 | |
| 12 | 53 | 35 | 44 | 47 | 32 | 40 | 36 | 32 | 34 | 1083 | 5 | 0.70 | 25 | N-D | | 84 | 24 | 54 | |
| 13 | 46 | 28 | 37 | | | | | | | | | | | | | 100 | 47 | 74 | |
| 14 | 38 | 27 | 32 | | | | | | | | | | | | | 100 | 100 | 100 | |
| 15 | 40 | 24 | 32 | | | | | | | | | | | | | 100 | 82 | 91 | |
| 16 | 45 | 28 | 36 | | | | | | | | | | | | | 100 | 33 | 66 | |
| 17 | 52 | 33 | 42 | 46 | 32 | 39 | 37 | 32 | 34 | 573 | 5 | 1.40 | 25 | N-D | | 100 | 34 | 67 | |
| 18 | 51 | 29 | 40 | | | | | | | | | | | | | 100 | 53 | 76 | |
| 19 | 57 | 29 | 43 | | | | | | | | | | | | | 100 | 22 | 61 | |
| 20 | 60 | 34 | 47 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 21 | 61 | 41 | 51 | | | | | | | | | | | | | 61 | 31 | 46 | |
| 22 | 54 | 33 | 44 | | | | | | | | | | | | | 100 | 44 | 72 | |
| 23 | 57 | 35 | 46 | | | | | | | | | | | | | 100 | 40 | 70 | |
| 24 | 60 | 38 | 49 | 52 | N-D | N-D | 42 | 33 | 37 | 1028 | 6 | 0.60 | 12 | N-D | | 100 | 37 | 68 | |
| 25 | 60 | 35 | 48 | | | | | | | | | | | | | 98 | 25 | 62 | |
| 26 | 62 | 33 | 48 | | | | | | | | | | | | | 100 | 25 | 62 | |
| 27 | 60 | 35 | 48 | | | | | | | | | | | | | 100 | 30 | 65 | |
| 28 | 66 | 36 | 51 | | | | | | | | | | | | | 100 | 16 | 58 | |
| 29 | 64 | 36 | 50 | | | | | | | | | | | | | 93 | 26 | 60 | |
| 30 | 62 | 40 | 51 | | | | | | | | | | | | | 76 | 22 | 49 | |
| 31 | 56 | 40 | 48 | 57 | 42 | 49 | 46 | 40 | 42 | 1084 | 6 | 0.00 | 0 | N-D | 14 | 16 | 90 | 40 | 65 |
| Month Mean | 66 | 17 | 42 | 57 | 32 | 40 | 46 | 32 | 36 | 4189 | 6 | 2.85 | | | | 100 | 16 | 67 | |
| Month Mean | 53 | 31 | | 47 | 34 | | 38 | 34 | | | | | | | | 96 | 38 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month June Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|--------------|-------------|---------------|-----|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | 5-7" II-13" | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | % Dry Wt. | | | | |
| 1 | 62 | 35 | 48 | | | | | | | | | | | | | 100 | 36 | 68 | |
| 2 | 66 | 35 | 50 | | | | | | | | | | | | | 84 | 29 | 56 | |
| 3 | 68 | 37 | 52 | | | | | | | | | | | | | 68 | 18 | 43 | |
| 4 | 65 | 43 | 54 | | | | | | | | | | | | | 100 | 28 | 64 | |
| 5 | 51 | 40 | 46 | | | | | | | | | | | | | | | | |
| 6 | 62 | 40 | 51 | | | | | | | | | | | | | 100 | 64 | 82 | |
| 7 | 65 | 42 | 54 | | | | | | | | | | | | | 100 | 37 | 68 | |
| 8 | 63 | 41 | 52 | | | | | | | | | | | | | 100 | 25 | 62 | |
| 9 | 60 | 40 | 50 | 63 | 42 | 53 | 52 | 42 | 47 | 1487 | 7 | 0.50 | 0 | N-D | | 42 | 21 | 32 | |
| 10 | 59 | 34 | 46 | | | | | | | | | | | | | 100 | 26 | 63 | |
| 11 | 60 | 30 | 45 | | | | | | | | | | | | | 100 | 22 | 61 | |
| 12 | 62 | 35 | 48 | | | | | | | | | | | | | 52 | 18 | 35 | |
| 13 | 55 | 33 | 44 | | | | | | | | | | | | | 100 | 52 | 76 | |
| 14 | 62 | 36 | 49 | | | | | | | | | | | | | 100 | 14 | 57 | |
| 15 | 64 | 36 | 50 | | | | | | | | | | | | | 100 | 13 | 56 | |
| 16 | 58 | 32 | 45 | 68 | 46 | 57 | 56 | 48 | 52 | 767 | 5 | 0.00 | 0 | N-D | | 100 | 49 | 74 | |
| 17 | 65 | 33 | 49 | | | | | | | | | | | | | 100 | 18 | 59 | |
| 18 | 63 | 41 | 52 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 19 | 61 | 36 | 48 | | | | | | | | | | | | | 100 | 46 | 73 | |
| 20 | 52 | 37 | 44 | | | | | | | | | | | | | 100 | 92 | 96 | |
| 21 | 63 | 35 | 49 | | | | | | | | | | | | | 100 | 23 | 62 | |
| 22 | 61 | 33 | 47 | | | | | | | | | | | | | 100 | 29 | 64 | |
| 23 | 66 | 41 | 54 | 68 | 47 | 58 | 56 | 50 | 54 | 903 | 5 | 0.25 | 0 | N-D | | 100 | 42 | 71 | |
| 24 | 65 | 33 | 49 | | | | | | | | | | | | | 100 | 34 | 67 | |
| 25 | 39 | 29 | 34 | | | | | | | | | | | | | 100 | 96 | 98 | |
| 26 | 52 | 30 | 41 | | | | | | | | | | | | | 100 | 82 | 91 | |
| 27 | 70 | 34 | 52 | | | | | | | | | | | | | 100 | 12 | 56 | |
| 28 | 72 | 41 | 56 | | | | | | | | | | | | | 83 | 13 | 48 | |
| 29 | 72 | 39 | 56 | | | | | | | | | | | | | 97 | 17 | 57 | |
| 30 | 71 | 44 | 58 | 70 | 42 | 56 | 58 | 48 | 52 | 858 | 5 | 1.20 | 0 | N-D | 13 | 13 | 68 | 19 | 44 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 72 | 29 | 49 | 70 | 42 | 56 | 58 | 42 | 51 | 4015 | 6 | 1.95 | | | | 100 | 12 | 62 | |
| Month Mean | 62 | 36 | | 67 | 44 | | 55 | 47 | | | | | | | | 90 | 34 | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 at 5-7" = 5%
 ② Rim of gauge 40 inches above ground at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
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Data collected for Front Range Ecology Project
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Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month July Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH

SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|--|------|---------------|-----|------|--------------|-------------------------------|-----------------|-------------|-------------|----------------------|---------------------|------------------|----------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 56 | 37 | 52 | | | | | | | | | | | | | 100 | 37 | 68 | | |
| 2 | 65 | 33 | 49 | | | | | | | | | | | | | 100 | 41 | 70 | | |
| 3 | 64 | 38 | 51 | | | | | | | | | | | | | 100 | 33 | 66 | | |
| 4 | 57 | 33 | 45 | | | | | | | | | | | | | 100 | 44 | 72 | | |
| 5 | 48 | 33 | 40 | | | | | | | | | | | | | 100 | 63 | 82 | | |
| 6 | 53 | 30 | 42 | | | | | | | | | | | | | 100 | 60 | 80 | | |
| 7 | 63 | 34 | 48 | 72 | 46 | 59 | 60 | 51 | 56 | 721 | 4 | 0.32 | 0 | N-D | | 100 | 27 | 64 | | |
| 8 | 68 | 42 | 55 | | | | | | | | | | | | | 100 | 29 | 64 | | |
| 9 | 72 | 36 | 54 | | | | | | | | | | | | | 100 | 22 | 61 | | |
| 10 | 73 | 45 | 59 | | | | | | | | | | | | | 100 | 16 | 58 | | |
| 11 | 65 | 44 | 54 | | | | | | | | | | | | | 100 | 34 | 67 | | |
| 12 | 72 | 42 | 57 | | | | | | | | | | | | | 88 | 23 | 56 | | |
| 13 | 70 | 47 | 58 | | | | | | | | | | | | | 44 | 19 | 32 | | |
| 14 | 67 | 41 | 54 | 72 | 50 | 61 | 62 | 52 | 57 | 1191 | 7 | 0.08 | 0 | N-D | | 100 | 30 | 65 | | |
| 15 | 62 | 40 | 51 | | | | | | | | | | | | | 100 | 38 | 62 | | |
| 16 | 66 | 40 | 53 | | | | | | | | | | | | | 100 | 32 | 66 | | |
| 17 | 67 | 41 | 54 | | | | | | | | | | | | | 100 | 29 | 64 | | |
| 18 | 63 | 42 | 52 | | | | | | | | | | | | | 100 | 59 | 80 | | |
| 19 | 64 | 42 | 53 | | | | | | | | | | | | | 100 | 29 | 64 | | |
| 20 | 64 | 38 | 51 | | | | | | | | | | | | | 100 | 31 | 66 | | |
| 21 | 59 | 36 | 48 | 69 | 52 | 60 | 60 | 55 | 58 | 779 | 5 | 0.53 | 0 | N-D | | 100 | 42 | 71 | | |
| 22 | 66 | 36 | 51 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 23 | 71 | 36 | 54 | | | | | | | | | | | | | 100 | 24 | 62 | | |
| 24 | 61 | 45 | 53 | | | | | | | | | | | | | 100 | 51 | 76 | | |
| 25 | 60 | 42 | 51 | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 26 | 63 | 39 | 51 | | | | | | | | | | | | | 100 | 36 | 68 | | |
| 27 | 54 | 34 | 44 | | | | | | | | | | | | | 100 | 52 | 76 | | |
| 28 | 68 | 33 | 50 | 71 | 49 | 60 | 60 | 54 | 57 | 848 | 5 | 0.44 | 0 | N-D | | 100 | 25 | 62 | | |
| 29 | 71 | 42 | 56 | | | | | | | | | | | | | 100 | 25 | 62 | | |
| 30 | 62 | 42 | 52 | | | | | | | | | | | | | 100 | 47 | 74 | | |
| 31 | 64 | 39 | 52 | 72 | 53 | 62 | 61 | 57 | 59 | 462 | 6 | 0.05 | 0 | N-D | 5 | 12 | 100 | 39 | 70 | |
| Month Mean | 73 | 30 | 52 | 72 | 46 | 61 | 62 | 51 | 57 | 4001 | 5 | 1.42 | | | | | | 100 | 16 | 67 |
| Key | Thermograph (Bourdon Tube) ① | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month August Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH

SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, Inches | | Soil Moisture | | | Relative Humidity | | |
|------------|------------------------------|--|------|---------------|-----|------|--------------|-------------------------------|-----------------|-------------|-------------|----------------------|---------------------|------------------|----------------|------------------|-----|-------------------|------|----|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" | % Dry Wt. 11-13" | Max | Min | Mean | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | |
| 1 | 68 | 39 | 54 | | | | | | | | | | | | | 100 | 35 | 68 | | |
| 2 | 69 | 41 | 55 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 3 | 75 | 37 | 56 | | | | | | | | | | | | | 100 | 28 | 64 | | |
| 4 | 71 | 43 | 57 | 74 | 55 | 64 | 62 | 58 | 60 | 447 | 5 | 0.00 | 0 | N-D | | 100 | 37 | 68 | | |
| 5 | 72 | 41 | 56 | | | | | | | | | | | | | 100 | 21 | 60 | | |
| 6 | 73 | 44 | 58 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 7 | 73 | 38 | 56 | | | | | | | | | | | | | 100 | 22 | 61 | | |
| 8 | 75 | 36 | 56 | | | | | | | | | | | | | 84 | 26 | 55 | | |
| 9 | 76 | 41 | 58 | | | | | | | | | | | | | 97 | 33 | 65 | | |
| 10 | 68 | 43 | 56 | | | | | | | | | | | | | 100 | 58 | 79 | | |
| 11 | 67 | 39 | 53 | 76 | 53 | 64 | 64 | 59 | 62 | 840 | 5 | 0.24 | 0 | N-D | | 100 | 53 | 76 | | |
| 12 | 67 | 41 | 54 | | | | | | | | | | | | | 100 | 48 | 74 | | |
| 13 | 73 | 42 | 58 | | | | | | | | | | | | | 100 | 30 | 65 | | |
| 14 | 72 | 46 | 59 | | | | | | | | | | | | | 86 | 37 | 62 | | |
| 15 | 71 | 40 | 56 | | | | | | | | | | | | | 100 | 41 | 70 | | |
| 16 | 63 | 43 | 53 | | | | | | | | | | | | | 100 | 45 | 72 | | |
| 17 | 64 | 37 | 50 | | | | | | | | | | | | | 100 | 43 | 72 | | |
| 18 | 65 | 44 | 54 | 69 | 52 | 60 | 61 | 56 | 58 | 837 | 5 | 1.17 | 0 | N-D | | 100 | 53 | 76 | | |
| 19 | 60 | 39 | 50 | | | | | | | | | | | | | 100 | 74 | 87 | | |
| 20 | 62 | 37 | 50 | | | | | | | | | | | | | 100 | 41 | 70 | | |
| 21 | 62 | 43 | 52 | | | | | | | | | | | | | 100 | 42 | 71 | | |
| 22 | 55 | 43 | 49 | | | | | | | | | | | | | 100 | 53 | 76 | | |
| 23 | 49 | 33 | 41 | | | | | | | | | | | | | 100 | 91 | 96 | | |
| 24 | 55 | 33 | 44 | | | | | | | | | | | | | 100 | 51 | 76 | | |
| 25 | 63 | 39 | 51 | 69 | 42 | 55 | 59 | 51 | 55 | 737 | 4 | 0.66 | 0 | N-D | | 100 | 35 | 68 | | |
| 26 | 67 | 36 | 52 | | | | | | | | | | | | | 100 | 22 | 61 | | |
| 27 | 66 | 45 | 56 | | | | | | | | | | | | | 100 | 41 | 70 | | |
| 28 | 65 | 45 | 55 | | | | | | | | | | | | | 100 | 40 | 70 | | |
| 29 | 63 | 46 | 54 | | | | | | | | | | | | | 100 | 42 | 71 | | |
| 30 | 62 | 33 | 48 | | | | | | | | | | | | | 100 | 36 | 68 | | |
| 31 | 67 | 34 | 50 | 70 | 50 | 60 | 55 | 52 | 54 | 895 | 6 | 0.09 | 0 | N-D | 11 | 14 | 100 | 23 | 62 | |
| Month Mean | 76 | 33 | 53 | 76 | 42 | 61 | 64 | 51 | 58 | 3756 | 5 | 2.16 | | | | | | 100 | 21 | 70 |
| Key | Thermograph (Bourdon Tube) ① | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 5-7" = 5%
at 11-13" = 9%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month September Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 68 | 33 | 50 | | | | | | | | | | | | | | 86 | 17 | 52 |
| 2 | 70 | 35 | 52 | | | | | | | | | | | | | | 87 | 24 | 56 |
| 3 | 66 | 37 | 52 | | | | | | | | | | | | | | 100 | 38 | 69 |
| 4 | 64 | 36 | 50 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 5 | 62 | 35 | 48 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 6 | 65 | 32 | 48 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 7 | 66 | 36 | 51 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 34 | 67 | |
| 8 | 66 | 48 | 57 | 71 | 50 | 60 | 60 | 52 | 56 | 972 | 5 | 0.13 | 0 | N-D | | 83 | 43 | 63 | |
| 9 | 62 | 37 | 50 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 10 | 67 | 37 | 52 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 11 | 68 | 36 | 52 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 12 | 72 | 39 | 56 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 13 | 61 | 38 | 50 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 14 | 52 | 32 | 42 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 15 | 50 | 25 | 38 | 66 | 47 | 56 | 58 | 50 | 54 | 995 | 6 | 0.12 | 0 | N-D | | 100 | 52 | 76 | |
| 16 | 48 | 25 | 36 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 17 | 62 | 36 | 49 | | | | | | | | | | | | | | 53 | 14 | 34 |
| 18 | 55 | 38 | 46 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 19 | 58 | 38 | 48 | | | | | | | | | | | | | | 78 | 22 | 50 |
| 20 | 58 | 31 | 44 | 61 | 40 | 50 | 53 | N-D | N-D | 758 | 6 | 0.20 | 0 | N-D | | 100 | 28 | 64 | |
| 21 | 67 | 37 | 52 | | | | | | | | | | | | | | 48 | 12 | 30 |
| 22 | 68 | 37 | 52 | | | | | | | | | | | | | | 39 | 20 | 30 |
| 23 | 63 | 44 | 54 | | | | | | | | | | | | | | 66 | 28 | 47 |
| 24 | 53 | 29 | 41 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 25 | 55 | 26 | 40 | | | | | | | | | | | | | | 100 | 06 | 53 |
| 26 | 51 | 27 | 39 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 27 | 57 | 27 | 42 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 28 | 60 | 37 | 48 | | | | | | | | | | | | | | 67 | 20 | 44 |
| 29 | 55 | 22 | 38 | 64 | 43 | 53 | 55 | 48 | 52 | 1519 | 6 | 0.50 | 2 | N-D | 9 | 8 | 100 | 40 | 70 |
| 30 | 28 | 19 | 24 | | | | | | | | | | | | | | 100 | 73 | 86 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 72 | 19 | 47 | 71 | 40 | 55 | 60 | 48 | 54 | 4244 | 6 | 0.95 | | | | | 100 | 06 | 61 |
| Month Mean | 60 | 34 | | 65 | 45 | | 56 | 50 | | | | | | | | | 90 | 32 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month October Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow Inches | | Soil Moisture | | Relative Humidity | | |
|------------|--------------|-----|------|---------------|-----|------|--------------|-----|------|-------------|--------------|----------------------|-------------|-------------|---------------|--------|-------------------|-----|------|
| | Max | Min | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. | | Max | Min | Mean |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | 5-7" | 11-13" | | | |
| 1 | 51 | 22 | 36 | | | | | | | | | | | | | | 100 | 24 | 62 |
| 2 | 49 | 25 | 37 | | | | | | | | | | | | | | 100 | 27 | 64 |
| 3 | 60 | 33 | 46 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 43 | 17 | 30 |
| 4 | 61 | 33 | 47 | 54 | 38 | 46 | 48 | 44 | 46 | 474 | 5 | 0.18 | T | N-D | | 50 | 13 | 32 | |
| 5 | 63 | 34 | 48 | | | | | | | | | | | | | | 56 | 17 | 36 |
| 6 | 59 | 40 | 50 | | | | | | | | | | | | | | 35 | 20 | 28 |
| 7 | 57 | 36 | 46 | | | | | | | | | | | | | | 40 | 20 | 30 |
| 8 | 53 | 40 | 46 | | | | | | | | | | | | | | 39 | 27 | 33 |
| 9 | 47 | 34 | 40 | | | | | | | | | | | | | | 58 | 34 | 46 |
| 10 | 53 | 28 | 40 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 82 | 32 | 57 |
| 11 | 57 | 29 | 43 | 57 | 38 | 46 | 49 | 44 | 46 | 1670 | 10 | 0.00 | 0 | N-D | | 86 | 32 | 59 | |
| 12 | 60 | 30 | 45 | | | | | | | | | | | | | | 77 | 27 | 52 |
| 13 | 58 | 34 | 46 | | | | | | | | | | | | | | 60 | 31 | 46 |
| 14 | 61 | 26 | 44 | | | | | | | | | | | | | | 75 | 20 | 48 |
| 15 | 63 | 26 | 44 | | | | | | | | | | | | | | 53 | 11 | 32 |
| 16 | 52 | 28 | 40 | | | | | | | | | | | | | | 52 | 27 | 40 |
| 17 | 55 | 27 | 41 | | | | | | | | | | | | | | 48 | 21 | 34 |
| 18 | 64 | 43 | 54 | 56 | 40 | 48 | 47 | 44 | 46 | 994 | 6 | 0.10 | 0 | N-D | | 23 | 12 | 18 | |
| 19 | 61 | 45 | 53 | | | | | | | | | | | | | | 29 | 16 | 22 |
| 20 | 45 | 16 | 30 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 21 | 37 | 16 | 26 | | | | | | | | | | | | | | 78 | 39 | 58 |
| 22 | 44 | 20 | 32 | | | | | | | | | | | | | | 69 | 12 | 40 |
| 23 | 50 | 21 | 36 | | | | | | | | | | | | | | 37 | 07 | 22 |
| 24 | 51 | 20 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 47 | 24 | 36 |
| 25 | 40 | 22 | 31 | 51 | 33 | 42 | 49 | 40 | 44 | 1956 | 12 | 0.00 | T | N-D | | 100 | 45 | 72 | |
| 26 | 40 | 24 | 32 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 27 | 40 | 20 | 30 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 28 | 39 | 18 | 28 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 29 | 21 | 07 | 14 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 30 | 39 | 04 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | 100 | 51 | 76 |
| 31 | 36 | 13 | 24 | 43 | 34 | 39 | 41 | 38 | 40 | 529 | 4 | 0.80 | 6 | N-D | 6 | 9 | 100 | 27 | 64 |
| Month Mean | 64 | 04 | 38 | 57 | 33 | 44 | 49 | 38 | 44 | 5623 | 8 | 1.08 | | | | | 100 | 07 | 49 |
| Month Mean | 50 | 26 | | 52 | 37 | | 47 | 42 | | | | | | | | | 69 | 29 | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month November Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-----------------------|------------------|-------------------|------|----|----|--|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | |
| 1 | 44 | 15 | 30 | | | | | | | | | | | | | | | 85 | 13 | 49 | |
| 2 | 49 | 11 | 30 | | | | | | | | | | | | | | | 100 | 21 | 60 | |
| 3 | 35 | 26 | 30 | | | | | | | | | | | | | | | 62 | 32 | 47 | |
| 4 | 41 | 26 | 34 | | | | | | | | | | | | | | | 78 | 39 | 58 | |
| 5 | 34 | 22 | 28 | | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 6 | 33 | 21 | 27 | | | | | | | | | | | | | | | 90 | 42 | 66 | |
| 7 | 34 | 20 | 27 | | | | | | | | | | | | | | | 100 | 46 | 73 | |
| 8 | 35 | 21 | 28 | 36 | 32 | 34 | 38 | 35 | 36 | 2996 | 15 | 0.60 | 9 | N-D | | | | 100 | 34 | 67 | |
| 9 | 47 | 31 | 39 | | | | | | | | | | | | | | | 100 | 40 | 70 | |
| 10 | 48 | 32 | 40 | | | | | | | | | | | | | | | 58 | 27 | 42 | |
| 11 | 46 | 27 | 36 | | | | | | | | | | | | | | | 100 | 45 | 72 | |
| 12 | 44 | 25 | 34 | | | | | | | | | | | | | | | 100 | 50 | 75 | |
| 13 | 42 | 28 | 35 | | | | | | | | | | | | | | | 88 | 24 | 56 | |
| 14 | 43 | 25 | 34 | | | | | | | | | | | | | | | 67 | 39 | 53 | |
| 15 | 44 | 22 | 33 | 38 | 32 | 34 | 36 | 35 | 36 | 1784 | 11 | 0.20 | 7 | N-D | | | | 100 | 16 | 58 | |
| 16 | 23 | 01 | 12 | | | | | | | | | | | | | | | 100 | 92 | 96 | |
| 17 | 12 | 00 | 06 | | | | | | | | | | | | | | | 100 | 58 | 79 | |
| 18 | 20 | 00 | 10 | | | | | | | | | | | | | | | 82 | 16 | 49 | |
| 19 | 35 | 17 | 26 | | | | | | | | | | | | | | | 75 | 27 | 51 | |
| 20 | 46 | 25 | 36 | | | | | | | | | | | | | | | 66 | 20 | 43 | |
| 21 | 39 | 21 | 30 | | | | | | | | | | | | | | | 90 | 27 | 58 | |
| 22 | 45 | 23 | 34 | 34 | 24 | 29 | 35 | 31 | 33 | 2218 | 14 | 0.40 | 9 | N-D | | | | 66 | 22 | 44 | |
| 23 | 39 | 28 | 34 | | | | | | | | | | | | | | | 51 | 28 | 40 | |
| 24 | 41 | 28 | 34 | | | | | | | | | | | | | | | 40 | 24 | 32 | |
| 25 | 34 | 26 | 30 | | | | | | | | | | | | | | | 58 | 36 | 47 | |
| 26 | 31 | 23 | 27 | | | | | | | | | | | | | | | 100 | 36 | 68 | |
| 27 | 24 | -01 | 12 | | | | | | | | | | | | | | | 100 | 55 | 78 | |
| 28 | 34 | 05 | 20 | | | | | | | | | | | | | | | 66 | 24 | 45 | |
| 29 | 44 | 31 | 38 | | | | | | | | | | | | | | | 28 | 10 | 19 | |
| 30 | 47 | 21 | 34 | 32 | 28 | 30 | 33 | 32 | 32 | 2815 | 14 | 0.60 | 14 | N-D | 10 | 12 | | 48 | 05 | 26 | |
| 31 | | | | | | | | | | | | | | | | | | | | | |
| Month Mean | 49 | -01 | 29 | 38 | 24 | 32 | 38 | 31 | 34 | 9813 | 14 | 1.80 | | | | | | 100 | 05 | 57 | |
| Month Mean | 38 | 20 | | 35 | 29 | | 36 | 33 | | | | | | | | | | 80 | 33 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Station No. C-1 Altitude 10,000 ft. Exposure Ridgetop Month December Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, inches | | Soil Moisture | | Relative Humidity | | | | |
|------------|------------------------------|------------------|------|--|-----|------|--------------|-----|------|-------------------------------|-----------------|----------------------|--------------|----------------------|-----------------------|------------------|-------------------|------|-----|-----|--|
| | Max | Min | Mean | 5-7 inches | | | 11-13 inches | | | Total Miles | Av. Vel. mph | | Total Depth | Water Cont. | % Dry Wt. 5-7" 11-13" | Max | Min | Mean | | | |
| | | | | Max | Min | Mean | Max | Min | Mean | | | | | | | | | | | | |
| 1 | 47 | 17 | 32 | | | | | | | | | | | | | | | 64 | 16 | 40 | |
| 2 | 35 | 26 | 30 | | | | | | | | | | | | | | | 51 | 18 | 34 | |
| 3 | 38 | 26 | 32 | | | | | | | | | | | | | | | 100 | 51 | 76 | |
| 4 | 30 | 16 | 23 | | | | | | | | | | | | | | | 100 | 57 | 78 | |
| 5 | 32 | 22 | 27 | | | | | | | | | | | | | | | 61 | 34 | 48 | |
| 6 | 35 | 23 | 29 | 32 | 30 | 30 | 33 | 32 | 32 | 2460 | 18 | 0.50 | 16 | N-D | | | | 100 | 34 | 67 | |
| 7 | 34 | 24 | 29 | | | | | | | | | | | | | | | 100 | 28 | 64 | |
| 8 | 26 | 24 | 25 | | | | | | | | | | | | | | | 100 | 75 | 88 | |
| 9 | 26 | 21 | 24 | | | | | | | | | | | | | | | 100 | 88 | 94 | |
| 10 | 23 | 18 | 20 | | | | | | | | | | | | | | | 100 | 74 | 87 | |
| 11 | 30 | 18 | 24 | | | | | | | | | | | | | | | 100 | 84 | 92 | |
| 12 | 29 | 05 | 17 | | | | | | | | | | | | | | | N-D | N-D | N-D | |
| 13 | 13 | 05 | 09 | 32 | 28 | 30 | 32 | 31 | 32 | 2389 | 14 | 2.30 | 36 | N-D | | | | | | | |
| 14 | 22 | 08 | 15 | | | | | | | | | | | | | | | | | | |
| 15 | 35 | 19 | 27 | | | | | | | | | | | | | | | | | | |
| 16 | 35 | 26 | 30 | | | | | | | | | | | | | | | | | | |
| 17 | 33 | 25 | 29 | | | | | | | | | | | | | | | | | | |
| 18 | 38 | 25 | 32 | | | | | | | | | | | | | | | | | | |
| 19 | 34 | 24 | 29 | | | | | | | | | | | | | | | | | | |
| 20 | 39 | 25 | 32 | | | | | | | | | | | | | | | | | | |
| 21 | 44 | 27 | 36 | | | | | | | | | | | | | | | | | | |
| 22 | 39 | 19 | 29 | 31 | 25 | 28 | 32 | 25 | 28 | 3220 | 15 | 0.05 | 23 | N-D | | | | N-D | N-D | N-D | |
| 23 | 24 | 17 | 20 | | | | | | | | | | | | | | | 100 | 75 | 88 | |
| 24 | 27 | 17 | 22 | | | | | | | | | | | | | | | 100 | 53 | 76 | |
| 25 | 34 | 16 | 25 | | | | | | | | | | | | | | | 87 | 13 | 50 | |
| 26 | 27 | 12 | 20 | | | | | | | | | | | | | | | 89 | 14 | 52 | |
| 27 | 34 | 20 | 27 | | | | | | | | | | | | | | | 65 | 13 | 39 | |
| 28 | 23 | 08 | 16 | | | | | | | | | | | | | | | 100 | 62 | 81 | |
| 29 | 14 | -12 | 01 | | | | | | | | | | | | | | | 100 | 91 | 96 | |
| 30 | 24 | -11 | 06 | | | | | | | | | | | | | | | 100 | 35 | 68 | |
| 31 | 25 | 06 | 16 | 31 | 24 | 27 | 32 | 28 | 30 | 1807 | 8 | 0.75 | 39 | 8 | 16 | 20 | | 100 | 41 | 70 | |
| Month Mean | 47 | -12 | 24 | 32 | 24 | 29 | 33 | 25 | 31 | 9876 | 13 | 3.60 | | | | | | 100 | 13 | 69 | |
| Month Mean | 31 | 17 | | 31 | 27 | | 32 | 29 | | | | | | | | | | 91 | 46 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max & Min | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Utah Tube | Oven-Drying Method ③ | Hygrograph (Hair) ④ | Av. of Max & Min | | | | | |

① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage:
 ② Rim of gauge 40 inches above ground at 5-7" = 5%
 at 11-13" = 9%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month January Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|---|------|------|--|------|------|--------------|------|------|-------------------------------|--------------|----------------------|----------------------|-------------------------|------|--------|--|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 14 | 02 | 08 | | | | | | | | | | | | | | | | |
| 2 | 21 | 10 | 16 | | | | | | | | | | | | | | | | |
| 3 | 18 | 06 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 4 | 23 | 07 | 15 | 16 | 06 | 11 | 16 | 11 | 14 | 1667 | 18 | 0.15 | T | | | | | | |
| 5 | 23 | 11 | 17 | | | | | | | | | | | | | | | | |
| 6 | 20 | 09 | 14 | | | | | | | | | | | | | | | | |
| 7 | 23 | 09 | 16 | | | | | | | | | | | | | | | | |
| 8 | 26 | 13 | 20 | | | | | | | | | | | | | | | | |
| 9 | 23 | 10 | 16 | | | | | | | | | | | | | | | | |
| 10 | 29 | 11 | 20 | | | | | | | | | | | | | | | | |
| 11 | 11 | 00 | 06 | 20 | 09 | 14 | 20 | 12 | 16 | 2936 | 17 | 0.00 | T | | | | | | |
| 12 | 15 | -01 | 07 | | | | | | | | | | | | | | | | |
| 13 | 12 | 01 | 06 | | | | | | | | | | | | | | | | |
| 14 | 07 | -02 | 02 | | | | | | | | | | | | | | | | |
| 15 | 19 | 04 | 12 | | | | | | | | | | | | | | | | |
| 16 | 19 | 11 | 15 | | | | | | | | | | | | | | | | |
| 17 | 27 | 15 | 21 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 18 | 20 | 02 | 11 | 18 | 11 | 15 | 18 | 13 | 16 | 3596 | 21 | 0.15 | T | | | | | | |
| 19 | 06 | -08 | -01 | | | | | | | | | | | | | | | | |
| 20 | -02 | -09 | -06 | | | | | | | | | | | | | | | | |
| 21 | 14 | -03 | 06 | | | | | | | | | | | | | | | | |
| 22 | 04 | -13 | -04 | | | | | | | | | | | | | | | | |
| 23 | 14 | -13 | 00 | | | | | | | | | | | | | | | | |
| 24 | 14 | 02 | 08 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 25 | 08 | 03 | 06 | 17 | 08 | 12 | 18 | 10 | 14 | 3065 | 18 | 0.30 | 0 | | | | | | |
| 26 | 08 | 01 | 04 | | | | | | | | | | | | | | | | |
| 27 | 13 | 01 | 07 | | | | | | | | | | | | | | | | |
| 28 | 08 | -01 | 04 | | | | | | | | | | | | | | | | |
| 29 | 13 | 07 | 10 | | | | | | | | | | | | | | | | |
| 30 | 13 | -02 | 06 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 31 | 01 | -02 | 00 | 16 | 11 | 13 | 16 | 13 | 14 | 3539 | 24 | 0.90 | T | N-D | 29 | N-D | | | |
| Month | 29 | -13 | 09 | 20 | 06 | 13 | 20 | 10 | 15 | 14803 | 20 | 1.50 | | | | | | | |
| Month Mean | 15 | 03 | | 17 | 09 | | 18 | 12 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① Av. of Max. & Min. | | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | | | Hydrograph (Hair) ④ Av. of Max. & Min. | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month February Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|---|------|------|--|------|------|--------------|------|------|-------------------------------|--------------|----------------------|----------------------|-------------------------|------|--------|--|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 03 | -02 | 00 | | | | | | | | | | | | | | | | |
| 2 | 17 | 01 | 09 | | | | | | | | | | | | | | | | |
| 3 | 20 | 14 | 17 | | | | | | | | | | | | | | | | |
| 4 | 17 | 13 | 15 | | | | | | | | | | | | | | | | |
| 5 | 16 | 06 | 11 | | | | | | | | | | | | | | | | |
| 6 | 07 | 03 | 05 | | | | | | | | | | | | | | | | |
| 7 | 12 | 04 | 08 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 8 | 14 | 09 | 11 | 17 | 08 | 13 | 17 | 11 | 14 | 5170 | 28 | 0.35 | 2 | | | | | | |
| 9 | 12 | 04 | 08 | | | | | | | | | | | | | | | | |
| 10 | 09 | 03 | 06 | | | | | | | | | | | | | | | | |
| 11 | 06 | 00 | 03 | | | | | | | | | | | | | | | | |
| 12 | 10 | -03 | 04 | | | | | | | | | | | | | | | | |
| 13 | 09 | 04 | 06 | | | | | | | | | | | | | | | | |
| 14 | 04 | 01 | 02 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 15 | 14 | 02 | 08 | 12 | 12 | 12 | 17 | 12 | 14 | 4509 | 27 | 0.60 | T | | | | | | |
| 16 | 16 | 12 | 14 | | | | | | | | | | | | | | | | |
| 17 | 18 | 12 | 15 | | | | | | | | | | | | | | | | |
| 18 | 24 | 16 | 20 | | | | | | | | | | | | | | | | |
| 19 | 30 | 19 | 24 | | | | | | | | | | | | | | | | |
| 20 | 31 | 23 | 27 | | | | | | | | | | | | | | | | |
| 21 | 34 | 22 | 28 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 22 | 33 | 22 | 28 | 24 | 12 | 18 | 23 | 12 | 18 | 3931 | 23 | 0.90 | T | | | | | | |
| 23 | 30 | 20 | 25 | | | | | | | | | | | | | | | | |
| 24 | 29 | 18 | 24 | | | | | | | | | | | | | | | | |
| 25 | 20 | 05 | 12 | | | | | | | | | | | | | | | | |
| 26 | 03 | -04 | 00 | | | | | | | | | | | | | | | | |
| 27 | -02 | -06 | -04 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| 28 | -03 | -06 | -04 | 26 | 12 | 19 | 24 | 14 | 19 | 3585 | 25 | 0.10 | 2 | N-D | 42 | 27 | | | |
| 29 | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 34 | -06 | 12 | 26 | 08 | 15 | 24 | 11 | 16 | 17195 | 26 | 1.95 | | | | | | | |
| Month Mean | 16 | 17 | | 20 | 11 | | 20 | 12 | | | | | | | | | | | |
| Key | Thermograph (Bourdon Tube) ① Av. of Max. & Min. | | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | | | Hydrograph (Hair) ④ Av. of Max. & Min. | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 at 5-7" = 10%

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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month March Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|----|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean | |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | | |
| 1 | 10 | -07 | 02 | | | | | | | | | | | | | | 89 | 71 | 80 | |
| 2 | 05 | -05 | 00 | | | | | | | | | | | | | | | 91 | 78 | 84 |
| 3 | 07 | -02 | 02 | | | | | | | | | | | | | | | 94 | 77 | 86 |
| 4 | 05 | -03 | 01 | | | | | | | | | | | | | | | 93 | 69 | 81 |
| 5 | 09 | -05 | 02 | | | | | | | | | | | | | | | 91 | 33 | 62 |
| 6 | 24 | 06 | 15 | | | | | | | | | | | | | | | 97 | 31 | 64 |
| 7 | 16 | 09 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 99 | 79 | 89 | |
| 8 | 14 | 07 | 10 | 18 | 11 | 14 | 18 | 11 | 14 | 2943 | 15 | 0.35 | 2 | | | | 100 | 63 | 82 | |
| 9 | 11 | -04 | 04 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 10 | 12 | -06 | 03 | | | | | | | | | | | | | | 100 | 77 | 88 | |
| 11 | 12 | -01 | 06 | | | | | | | | | | | | | | 100 | 61 | 80 | |
| 12 | 18 | 00 | 09 | | | | | | | | | | | | | | 100 | 73 | 86 | |
| 13 | 07 | 01 | 04 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 85 | 92 | |
| 14 | 06 | 01 | 02 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 99 | 77 | 88 | |
| 15 | 13 | 02 | 08 | 18 | 14 | 16 | 18 | 14 | 16 | 1854 | 11 | 0.35 | 4 | | | | 97 | 91 | 94 | |
| 16 | 14 | 02 | 08 | | | | | | | | | | | | | | 100 | 95 | 98 | |
| 17 | 10 | 00 | 05 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 18 | 09 | 01 | 05 | | | | | | | | | | | | | | 100 | 73 | 86 | |
| 19 | 09 | 01 | 05 | | | | | | | | | | | | | | 98 | 69 | 83 | |
| 20 | 21 | 07 | 14 | | | | | | | | | | | | | | 99 | 25 | 62 | |
| 21 | 22 | 16 | 19 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 37 | 68 | |
| 22 | 23 | 14 | 18 | 18 | 14 | 16 | 18 | 14 | 16 | 3855 | 23 | 0.80 | 3 | | | | 100 | 75 | 88 | |
| 23 | 26 | 12 | 19 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 24 | 21 | 12 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 25 | 18 | 11 | 14 | | | | | | | | | | | | | | 100 | 91 | 96 | |
| 26 | 11 | 03 | 07 | | | | | | | | | | | | | | 100 | 85 | 92 | |
| 27 | 16 | 02 | 09 | | | | | | | | | | | | | | 100 | 60 | 80 | |
| 28 | 23 | 09 | 16 | | | | | | | | | | | | | | 100 | 95 | 98 | |
| 29 | 19 | 10 | 14 | | | | | | | | | | | | | | 100 | 100 | 100 | |
| 30 | 20 | 10 | 15 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 99 | 89 | 94 | |
| 31 | 24 | 03 | 14 | 20 | 16 | 18 | 20 | 16 | 18 | 3586 | 17 | 1.00 | 3 | N-D | 40 | 26 | 100 | 64 | 82 | |
| Month | 2.6 | -07 | 09 | 20 | 11 | 16 | 20 | 11 | 16 | 12238 | 16 | 2.50 | | | | | 100 | 25 | 87 | |
| Month Mean | 15 | 03 | | 18 | 14 | | 19 | 14 | | | | | | | | | 98 | 75 | | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 11-13" = 4%
at 5-7" = 10%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month April Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 19 | 01 | 10 | | | | | | | | | | | | | | 99 | 47 | 73 |
| 2 | 28 | 12 | 20 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 3 | 21 | 08 | 14 | | | | | | | | | | | | | | 99 | 37 | 68 |
| 4 | 14 | 01 | 08 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 5 | 07 | 00 | 04 | | | | | | | | | | | | | | | | |
| 6 | 22 | 03 | 12 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | |
| 7 | 25 | 16 | 20 | 20 | 15 | 18 | 20 | 16 | 18 | 3871 | 23 | 0.65 | 2 | | | | | | |
| 8 | 19 | 09 | 14 | | | | | | | | | | | | | | | | |
| 9 | 20 | 09 | 14 | | | | | | | | | | | | | | | | |
| 10 | 14 | 07 | 10 | | | | | | | | | | | | | | | | |
| 11 | 15 | 02 | 08 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | | | |
| 12 | 22 | 04 | 13 | 22 | 19 | 21 | 22 | 18 | 20 | 1291 | 11 | 0.55 | 12 | | | | N-D | N-D | N-D |
| 13 | 30 | 03 | 16 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 14 | 26 | 15 | 20 | | | | | | | | | | | | | | 89 | 41 | 65 |
| 15 | 33 | 18 | 26 | | | | | | | | | | | | | | 67 | 45 | 56 |
| 16 | 37 | 26 | 32 | | | | | | | | | | | | | | 47 | 35 | 41 |
| 17 | 42 | 24 | 33 | | | | | | | | | | | | | | 100 | 37 | 68 |
| 18 | 28 | 22 | 25 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 59 | 80 |
| 19 | 22 | 17 | 20 | 28 | 20 | 24 | 27 | | | 3018 | 18 | 0.25 | T | | | | 100 | 72 | 86 |
| 20 | 26 | 15 | 20 | | | | | | | | | | | | | | 100 | 65 | 82 |
| 21 | 22 | 16 | 19 | | | | | | | | | | | | | | 100 | 69 | 84 |
| 22 | 30 | 14 | 22 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 23 | 14 | 01 | 08 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 24 | 15 | -04 | 06 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 25 | 21 | 10 | 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 100 | 100 |
| 26 | 22 | 10 | 16 | 28 | 24 | 26 | 28 | 22 | 25 | 2906 | 17 | 1.00 | 4 | | | | 100 | 51 | 76 |
| 27 | 18 | 08 | 13 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 28 | 16 | 06 | 11 | | | | | | | | | | | | | | 100 | 71 | 86 |
| 29 | 23 | 09 | 16 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 76 | 88 |
| 30 | 32 | 11 | 22 | 25 | 22 | 24 | 25 | 22 | 24 | 1350 | 14 | 0.30 | 4 | N-D | 42 | 26 | 100 | 43 | 72 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 42 | -04 | 16 | 28 | 15 | 22 | 28 | 16 | 22 | 12436 | 17 | 2.75 | | | | | 100 | 23 | 76 |
| Month Mean | 23 | 10 | | 25 | 20 | | 24 | 20 | | | | | | | | | 95 | 57 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max & Min Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 11-13" = 4%
at 5-7" = 10%

Data collected for Front Range Ecology Project

Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission, and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month May Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|-----|-----|--------------|-----|-----|-------------|------------------|----------------------|----------------------|------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 26 | 18 | 22 | | | | | | | | | | | | | | | | |
| 2 | 37 | 19 | 28 | | | | | | | | | | | | | | | | |
| 3 | 37 | 23 | 30 | 28 | 22 | 25 | 28 | 22 | 25 | 7.19 | 10 | 0.10 | 0 | | | | | | |
| 4 | 36 | 25 | 30 | | | | | | | | | | | | | | | | |
| 5 | 40 | 28 | 34 | | | | | | | | | | | | | | | | |
| 6 | 43 | 31 | 37 | | | | | | | | | | | | | | | | |
| 7 | 41 | 24 | 32 | | | | | | | | | | | | | | | | |
| 8 | 28 | 19 | 24 | | | | | | | | | | | | | | | | |
| 9 | 26 | 19 | 22 | | | | | | | | | | | | | | | | |
| 10 | 38 | 25 | 32 | | | | | | | | | | | | | | | | |
| 11 | 41 | 30 | 36 | | | | | | | | | | | | | | | | |
| 12 | 40 | 27 | 34 | 32 | N-D | N-D | 31 | 26 | 28 | 2551 | 12 | 0.50 | 0 | | | | | | |
| 13 | 35 | 25 | 30 | | | | | | | | | | | | | | | | |
| 14 | 30 | 20 | 25 | | | | | | | | | | | | | | | | |
| 15 | 30 | 20 | 25 | | | | | | | | | | | | | | | | |
| 16 | 30 | 23 | 26 | | | | | | | | | | | | | | | | |
| 17 | 39 | 25 | 32 | 32 | 32 | 32 | 32 | N-D | N-D | 1428 | 12 | 1.05 | 4 | | | | | | |
| 18 | 44 | 27 | 36 | | | | | | | | | | | | | | | | |
| 19 | 45 | 32 | 38 | | | | | | | | | | | | | | | | |
| 20 | 47 | 33 | 40 | | | | | | | | | | | | | | | | |
| 21 | 48 | 33 | 40 | | | | | | | | | | | | | | | | |
| 22 | 44 | 31 | 38 | | | | | | | | | | | | | | | | |
| 23 | 45 | 31 | 38 | | | | | | | | | | | | | | | | |
| 24 | 49 | 32 | 40 | 38 | 32 | 35 | 32 | 30 | 32 | 1784 | 11 | 0.45 | 0 | | | | | | |
| 25 | 47 | 33 | 40 | | | | | | | | | | | | | | | | |
| 26 | 48 | 36 | 42 | | | | | | | | | | | | | | | | |
| 27 | 49 | 36 | 42 | | | | | | | | | | | | | | | | |
| 28 | 53 | 39 | 46 | | | | | | | | | | | | | | | | |
| 29 | 52 | 40 | 46 | | | | | | | | | | | | | | | | |
| 30 | 49 | 31 | 40 | | | | | | | | | | | | | | | | |
| 31 | 42 | 28 | 35 | 42 | 36 | 39 | 38 | 32 | 34 | 2665 | 16 | 0.00 | 0 | N-D | 59 | 22 | | | |
| Month Mean | 53 | 18 | 34 | 42 | 22 | 33 | 38 | 22 | 30 | 9147 | 12 | 2.10 | | | | | | | |
| Month Mean | 41 | 28 | | 34 | 30 | | 32 | 28 | | | | | | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 5-7" = 10%
at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month June Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp. Air °F | | | Temp. Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|--------------|------|------|---------------|----|----|--------------|----|----|-------------|------------------|----------------------|----------------------|------------------------|------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Average Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| 1 | 49 | 34 | 42 | | | | | | | | | | | | | | | | |
| 2 | 54 | 37 | 46 | | | | | | | | | | | | | | | | |
| 3 | 54 | 40 | 47 | | | | | | | | | | | | | | | | |
| 4 | 53 | 34 | 44 | | | | | | | | | | | | | | | | |
| 5 | 44 | 31 | 38 | | | | | | | | | | | | | | | | |
| 6 | 52 | 35 | 44 | | | | | | | | | | | | | | | | |
| 7 | 50 | 38 | 44 | | | | | | | | | | | | | | | | |
| 8 | 50 | 37 | 44 | | | | | | | | | | | | | | | | |
| 9 | 47 | 34 | 40 | 46 | 36 | 41 | 42 | 35 | 38 | 2970 | 14 | 0.40 | 0 | 105 | 44 | 13 | 45 | 30 | 38 |
| 10 | 46 | 33 | 40 | | | | | | | | | | | | | | | | |
| 11 | 50 | 33 | 42 | | | | | | | | | | | | | | | | |
| 12 | 47 | 35 | 41 | | | | | | | | | | | | | | | | |
| 13 | 43 | 30 | 36 | | | | | | | | | | | | | | | | |
| 14 | 50 | 34 | 42 | | | | | | | | | | | | | | | | |
| 15 | 51 | 33 | 42 | | | | | | | | | | | | | | | | |
| 16 | 49 | 34 | 42 | 48 | 38 | 43 | 42 | 38 | 40 | 1726 | 10 | 0.00 | 0 | 85 | 41 | 12 | 100 | 31 | 66 |
| 17 | 49 | 37 | 43 | | | | | | | | | | | | | | | | |
| 18 | 48 | 34 | 41 | | | | | | | | | | | | | | | | |
| 19 | 47 | 35 | 41 | | | | | | | | | | | | | | | | |
| 20 | 51 | 36 | 44 | | | | | | | | | | | | | | | | |
| 21 | 48 | 34 | 41 | | | | | | | | | | | | | | | | |
| 22 | 45 | 33 | 39 | | | | | | | | | | | | | | | | |
| 23 | 50 | 36 | 43 | 48 | 40 | 44 | 44 | 40 | 42 | 2612 | 16 | 0.35 | 0 | 86 | 30 | 18 | 100 | 45 | 72 |
| 24 | 49 | 28 | 38 | | | | | | | | | | | | | | | | |
| 25 | 38 | 25 | 32 | | | | | | | | | | | | | | | | |
| 26 | 48 | 29 | 38 | | | | | | | | | | | | | | | | |
| 27 | 54 | 39 | 46 | | | | | | | | | | | | | | | | |
| 28 | 56 | 45 | 50 | | | | | | | | | | | | | | | | |
| 29 | 57 | 44 | 50 | | | | | | | | | | | | | | | | |
| 30 | 56 | 43 | 49 | 51 | 32 | 42 | 45 | 38 | 42 | 2241 | 14 | 0.85 | 0 | 86 | 34 | 15 | 46 | 27 | 36 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month Mean | 57 | 25 | 42 | 51 | 32 | 42 | 45 | 35 | 41 | 9550 | 13 | 1.60 | | | | | | | |
| Month Mean | 50 | 35 | | 48 | 36 | | 43 | 38 | | | | | | | | | | | |

① Instruments located in standard Weather Bureau Shelter

② Rim of gauge 40 inches above ground

③ Permanent wilting percentage:
at 0-2" = 17%
at 5-7" = 10%
at 11-13" = 4%

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Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month September Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" 5-7" 11-13" | | | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | 0-2" | 5-7" | 11-13" | | | |
| 1 | 53 | 40 | 46 | | | | | | | | | | | | | | 39 | 20 | 30 |
| 2 | 55 | 43 | 49 | | | | | | | | | | | | | | 41 | 29 | 35 |
| 3 | 53 | 39 | 46 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 4 | 55 | 37 | 46 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 5 | 51 | 35 | 43 | | | | | | | | | | | | | | 100 | 43 | 72 |
| 6 | 55 | 36 | 46 | | | | | | | | | | | | | | 100 | 31 | 66 |
| 7 | 52 | 37 | 44 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 46 | 73 |
| 8 | 52 | 40 | 46 | 51 | 42 | 46 | 47 | 44 | 45 | 2362 | 12 | 0.05 | 0 | 54 | 20 | 9 | 100 | 58 | 79 |
| 9 | 54 | 38 | 46 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 10 | 54 | 38 | 46 | | | | | | | | | | | | | | 84 | 41 | 62 |
| 11 | 59 | 42 | 50 | | | | | | | | | | | | | | 65 | 35 | 50 |
| 12 | 59 | 38 | 48 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 13 | 48 | 28 | 38 | | | | | | | | | | | | | | 100 | 54 | 77 |
| 14 | 35 | 21 | 28 | | | | | | | | | | | | | | 100 | 46 | 73 |
| 15 | 35 | 21 | 28 | 51 | 38 | 44 | 47 | 42 | 44 | 2137 | 13 | 0.15 | T | 51 | 24 | 11 | 100 | 65 | 82 |
| 16 | 37 | 20 | 28 | | | | | | | | | | | | | | 94 | 30 | 62 |
| 17 | 49 | 31 | 40 | | | | | | | | | | | | | | 51 | 27 | 39 |
| 18 | 45 | 30 | 38 | | | | | | | | | | | | | | 100 | 40 | 70 |
| 19 | 44 | 30 | 37 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 34 | 67 |
| 20 | 48 | 34 | 41 | 42 | 36 | 39 | 42 | 39 | 40 | 2130 | 17 | 0.35 | 0 | | | | 71 | 35 | 53 |
| 21 | 52 | 34 | 43 | | | | | | | | | | | | | | 41 | 19 | 30 |
| 22 | 55 | 40 | 48 | | | | | | | | | | | | | | 42 | 24 | 33 |
| 23 | 50 | 33 | 42 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 24 | 37 | 21 | 29 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 25 | 40 | 18 | 29 | | | | | | | | | | | | | | 100 | 14 | 57 |
| 26 | 47 | 26 | 36 | | | | | | | | | | | | | | 100 | 33 | 66 |
| 27 | 49 | 25 | 37 | | | | | | | | | | | | | | 100 | 18 | 59 |
| 28 | 48 | 34 | 41 | | | | | | | | | | | | | | 77 | 31 | 54 |
| 29 | 43 | 25 | 34 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 53 | 76 |
| 30 | 35 | 23 | 29 | 46 | 36 | 40 | 42 | 38 | 40 | 3987 | 17 | 0.20 | T | 60 | 13 | 12 | 100 | 38 | 69 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 59 | 18 | 40 | 51 | 36 | 43 | 47 | 38 | 43 | 10616 | 15 | 0.75 | | | | | 100 | 14 | 62 |
| Month Mean | 48 | 32 | | 47 | 38 | | 44 | 41 | | | | | | | | | 87 | 37 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month October Year 1958

UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" 5-7" 11-13" | | | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | 0-2" | 5-7" | 11-13" | | | |
| 1 | 36 | 21 | 28 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 2 | 33 | 19 | 26 | | | | | | | | | | | | | | 100 | 41 | 70 |
| 3 | 43 | 28 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 53 | 34 | 44 |
| 4 | 48 | 34 | 41 | 40 | 34 | 37 | 40 | 36 | 38 | 1492 | 16 | 0.30 | 0 | | | | 41 | 19 | 30 |
| 5 | 51 | 37 | 44 | | | | | | | | | | | | | | 47 | 27 | 37 |
| 6 | 45 | 35 | 40 | | | | | | | | | | | | | | 53 | 33 | 43 |
| 7 | 42 | 29 | 36 | | | | | | | | | | | | | | 63 | 34 | 48 |
| 8 | 40 | 26 | 33 | | | | | | | | | | | | | | 69 | 46 | 58 |
| 9 | 32 | 24 | 28 | | | | | | | | | | | | | | 100 | 52 | 76 |
| 10 | 40 | 23 | 32 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 47 | 74 |
| 11 | 48 | 31 | 40 | 40 | 34 | 37 | 39 | 34 | 37 | 3361 | 20 | 0.00 | 0 | | | | 73 | 33 | 53 |
| 12 | 49 | 33 | 41 | | | | | | | | | | | | | | 61 | 36 | 48 |
| 13 | 47 | 33 | 40 | | | | | | | | | | | | | | 62 | 38 | 50 |
| 14 | 48 | 33 | 40 | | | | | | | | | | | | | | 52 | 27 | 40 |
| 15 | 51 | 35 | 43 | | | | | | | | | | | | | | 38 | 17 | 28 |
| 16 | 39 | 32 | 36 | | | | | | | | | | | | | | 49 | 36 | 42 |
| 17 | 44 | 28 | 36 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 48 | 27 | 38 |
| 18 | 51 | 35 | 43 | 40 | 34 | 37 | 38 | 34 | 36 | 1765 | 11 | 0.10 | 0 | | | | 27 | 21 | 24 |
| 19 | 48 | 32 | 40 | | | | | | | | | | | | | | 47 | 26 | 36 |
| 20 | 34 | 05 | 20 | | | | | | | | | | | | | | 100 | 42 | 71 |
| 21 | 22 | 06 | 14 | | | | | | | | | | | | | | 100 | 73 | 86 |
| 22 | 29 | 10 | 20 | | | | | | | | | | | | | | 100 | 12 | 56 |
| 23 | 38 | 24 | 31 | | | | | | | | | | | | | | 24 | 09 | 16 |
| 24 | 39 | 24 | 32 | | | | | | | | | | | | | | 45 | 19 | 32 |
| 25 | 34 | 21 | 28 | 39 | 32 | 35 | 38 | 32 | 35 | 3512 | 21 | 0.10 | 0 | | | | 100 | 35 | 68 |
| 26 | 25 | 21 | 23 | | | | | | | | | | | | | | 100 | 88 | 94 |
| 27 | 31 | 18 | 24 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 28 | 31 | 13 | 22 | | | | | | | | | | | | | | 100 | 56 | 78 |
| 29 | 16 | 09 | 12 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 30 | 29 | 15 | 22 | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | 100 | 49 | 74 |
| 31 | 21 | 15 | 18 | 32 | 31 | 32 | 33 | 32 | 32 | 1198 | 8 | 0.35 | 3 | 48 | 24 | 12 | 100 | 60 | 80 |
| Month | 51 | 05 | 31 | 40 | 31 | 36 | 40 | 32 | 36 | 11328 | 15 | 0.85 | | | | | 100 | 09 | 56 |
| Month Mean | 38 | 24 | | 38 | 33 | | 38 | 34 | | | | | | | | | 73 | 40 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

- ① Instruments located in standard Weather Bureau Shelter ③ Permanent wilting percentage: at 0-2" = 17% at 11-13" = 4%
 ② Rim of gauge 40 inches above ground at 5-7" = 10%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U. S. Atomic Energy Commission,
 and University of Colorado

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month November Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 37 | 15 | 26 | | | | | | | | | | | | | | 69 | 23 | 46 |
| 2 | 33 | 19 | 26 | | | | | | | | | | | | | | 61 | 32 | 46 |
| 3 | 20 | 14 | 17 | | | | | | | | | | | | | | 100 | 49 | 74 |
| 4 | 29 | 14 | 22 | | | | | | | | | | | | | | 100 | 61 | 80 |
| 5 | 21 | 14 | 18 | | | | | | | | | | | | | | 100 | 73 | 86 |
| 6 | 23 | 11 | 17 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 7 | 22 | 10 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 8 | 25 | 10 | 18 | | | | | | | | | | | | | | 100 | 60 | 80 |
| 9 | 33 | 24 | 28 | | | | | | | | | | | | | | 100 | 77 | 88 |
| 10 | 34 | 26 | 30 | | | | | | | | | | | | | | 85 | 43 | 64 |
| 11 | 37 | 22 | 30 | | | | | | | | | | | | | | 83 | 45 | 64 |
| 12 | 27 | 21 | 24 | | | | | | | | | | | | | | 100 | 61 | 80 |
| 13 | 25 | 16 | 20 | | | | | | | | | | | | | | 100 | 28 | 64 |
| 14 | 27 | 18 | 22 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 15 | 31 | 13 | 22 | | | | | | | | | | | | | | 100 | 23 | 62 |
| 16 | 17 | -01 | 08 | | | | | | | | | | | | | | 100 | 81 | 90 |
| 17 | 03 | -10 | -04 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 18 | 16 | -10 | 03 | | | | | | | | | | | | | | 100 | 70 | 85 |
| 19 | 24 | 07 | 16 | | | | | | | | | | | | | | 100 | 57 | 78 |
| 20 | 32 | 17 | 24 | | | | | | | | | | | | | | 100 | 29 | 64 |
| 21 | 31 | 24 | 28 | | | | | | | | | | | | | | 58 | 41 | 50 |
| 22 | 30 | 23 | 26 | | | | | | | | | | | | | | 61 | 41 | 51 |
| 23 | 25 | 18 | 22 | | | | | | | | | | | | | | 99 | 37 | 68 |
| 24 | 28 | 20 | 24 | | | | | | | | | | | | | | 59 | 38 | 48 |
| 25 | 21 | 15 | 18 | | | | | | | | | | | | | | 100 | 58 | 79 |
| 26 | 20 | 14 | 17 | | | | | | | | | | | | | | 100 | 45 | 72 |
| 27 | 17 | -05 | 06 | | | | | | | | | | | | | | 100 | 97 | 98 |
| 28 | 25 | -03 | 11 | | | | | | | | | | | | | | 98 | 39 | 68 |
| 29 | 31 | 22 | 26 | | | | | | | | | | | | | | 45 | 15 | 30 |
| 30 | 33 | 23 | 28 | | | | | | | | | | | | | | 42 | 15 | 28 |
| 31 | | | | | | | | | | | | | | | | | | | |
| Month | 37 | -10 | 20 | | | | | | | | | | | | | | 100 | 15 | 71 |
| Month Mean | 26 | 13 | | | | | | | | | | | | | | | 89 | 53 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 0-2" = 17%; at 5-7" = 1n%
 at 11-13" = 4%

Station No. D-1 Altitude 12,300 ft Exposure Ridgetop Month December Year 1958
 UNIVERSITY OF COLORADO — INSTITUTE OF ARCTIC & ALPINE RESEARCH
 SUMMARY OF MOUNTAIN ENVIRONMENTS

| Day | Temp Air °F | | | Temp Soil °F | | | | | | Wind | | Precip. Inches Water | Snow, in Total Depth | Soil Moisture % Dry Wt. | | | Relative Humidity | | |
|------------|------------------------------|--------------------|------|--|------|------|--------------|------|------|-------------------------------|-----------------|----------------------|----------------------|-------------------------|--------------------|--------|-------------------|------|------|
| | Max. | Min. | Mean | 5-7 Inches | | | 11-13 Inches | | | Total Miles | Av. Vel. mph | | | 0-2" | 5-7" | 11-13" | Max. | Min. | Mean |
| | | | | Max. | Min. | Mean | Max. | Min. | Mean | | | | | | | | | | |
| 1 | 30 | 20 | 25 | | | | | | | | | | | | | | 51 | 26 | 38 |
| 2 | 22 | 13 | 18 | | | | | | | | | | | | | | 97 | 31 | 64 |
| 3 | 27 | 14 | 20 | | | | | | | | | | | | | | 100 | 72 | 86 |
| 4 | 18 | 06 | 12 | | | | | | | | | | | | | | 100 | 86 | 93 |
| 5 | 20 | 12 | 16 | | | | | | | | | | | | | | 100 | 59 | 80 |
| 6 | 20 | 15 | 18 | | | | | | | | | | | | | | 100 | 59 | 80 |
| 7 | 20 | 15 | 18 | | | | | | | | | | | | | | 100 | 53 | 76 |
| 8 | 17 | 15 | 16 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 9 | 17 | 11 | 14 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 10 | 14 | 08 | 11 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 11 | 20 | 14 | 17 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 12 | 20 | -01 | 10 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 13 | 01 | -03 | -01 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 14 | 09 | -01 | 04 | | | | | | | | | | | | | | 100 | 90 | 95 |
| 15 | 24 | 07 | 16 | | | | | | | | | | | | | | 94 | 28 | 61 |
| 16 | 22 | 14 | 18 | | | | | | | | | | | | | | 84 | 28 | 56 |
| 17 | 23 | 13 | 18 | | | | | | | | | | | | | | 100 | 39 | 70 |
| 18 | 26 | 16 | 21 | | | | | | | | | | | | | | 82 | 20 | 51 |
| 19 | 21 | 16 | 18 | | | | | | | | | | | | | | 100 | 34 | 67 |
| 20 | 23 | 17 | 20 | | | | | | | | | | | | | | 97 | 22 | 60 |
| 21 | 28 | 17 | 22 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 22 | 24 | 12 | 18 | | | | | | | | | | | | | | 100 | 26 | 63 |
| 23 | 13 | 07 | 10 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 24 | 09 | 05 | 07 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 25 | 16 | 04 | 10 | | | | | | | | | | | | | | 100 | 84 | 92 |
| 26 | 17 | 00 | 08 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 27 | 18 | 07 | 12 | | | | | | | | | | | | | | N-D | N-D | N-D |
| 28 | 11 | 01 | 06 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 29 | 08 | -04 | 02 | | | | | | | | | | | | | | 100 | 100 | 100 |
| 30 | 09 | -03 | 03 | | | | | | | | | | | | | | 100 | 35 | 68 |
| 31 | 13 | 02 | 08 | | | | | | | | | | | | | | 100 | 57 | 78 |
| Month | 30 | -04 | 13 | | | | | | | | | | | | | | 100 | 20 | 80 |
| Month Mean | 18 | 09 | | | | | | | | | | | | | | | 96 | 63 | |
| Key | Thermograph (Bourdon Tube) ① | Av. of Max. & Min. | | Max. & Min. Thermometers (Weather Bureau Type) | | | | | | Totalizing Anemometer (3-cup) | 8" Rain Gauge ② | Snow Stake | Oven-Drying Method ③ | Hydrograph (Hair) ④ | Av. of Max. & Min. | | | | |

① Instruments located in standard Weather Bureau Shelter
 ② Rim of gauge 40 inches above ground
 ③ Permanent wilting percentage: at 0-2" = 17%; at 5-7" = 10%
 at 11-13" = 4%

Data collected for Front Range Ecology Project
 Supported by Office of the Quartermaster General, U.S. Atomic Energy Commission,
 and University of Colorado

III. ANNUAL SUMMARY TABLES

ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1953

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|--|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 60 | 45 | - 3 | 25 | 36 | 10 | 32 | 32 | 25 | 28 | 30 | 32 |
| February | 58 | 40 | - 1 | 18 | 29 | 4 | 33 | 32 | 28 | 29 | 31 | 32 |
| March | 71 | 51 | 10 | 27 | 39 | 9 | 52 | 42 | 30 | 32 | 37 | 35 |
| April | 74 | 48 | 8 | 25 | 37 | 7 | 58 | 46 | 32 | 34 | 40 | 37 |
| May | 78 | 59 | 19 | 35 | 47 | 18 x 17 | 68 | 59 | 36 | 41 | 50 | 47 |
| June | 95 | 80 | 43 | 52 | 66 | 30 | 76 | 74 | 50 | 51 | 62 | 59 |
| July | 96 | 84 | 51 | 57 | 71 | 31 | 81 | 77 | 56 | 58 | 68 | 64 |
| August | 91 | 79 | 46 | 53 | 66 | 31 | 79 | 77 | 53 | 56 | 66 | 64 |
| September | 88 | 77 | 33 | 49 | 63 | 30 | 76 | 71 | 51 | 53 | 62 | 61 |
| October | 82 | 63 | 25 | 39 | 51 | 22 x 3 | 62 | 57 | 37 | 44 | 50 | 52 |
| November | 69 | 50 | 8 | 30 | 40 | 14 | 49 | 40 | 34 | 35 | 38 | 41 |
| December | 53 | 38 | - 1 | 18 | 28 | 1 | 40 | 35 | 33 | 33 | 34 | 35 |
| Year | 96 | 59 | - 3 | 36 | 47 | 139 # | 81 | 53 | 25 | 41 | 47 | 47 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | | | | | | | | | | | | |
| January | 11 | .55 | ↑ | 9 | 7 | 66 | 16 | 31 | 48 | X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| February | 8 | 1.20 | | 5 | 4 | 82 | 15 | 36 | 59 | | | |
| March | 8 | 1.95 | | 14 | 6 | 72 | 13 | 29 | 51 | | | |
| April | 5 | 2.30 | | 24 | 22 | 87 | 12 | 36 | 62 | | | |
| May | 6 | 3.15 | | 10 | 8 | 87 | 7 | 36 | 62 | | | |
| June | 6 | 1.67 | N-D | 5 | 7 | 79 | 8 | 29 | 54 | | | |
| July | 6 | 3.55 | | 11 | 13 | 78 | 9 | 31 | 55 | | | |
| August | 6 | 2.76 | | 10 | 10 | 78 | 6 | 31 | 54 | | | |
| September | 7 | .08 | | 3 | 4 | 62 | 10 | 24 | 43 | | | |
| October | 5 | .74 | | 7 | 6 | 67 | 9 | 34 | 50 | | | |
| November | 7 | 1.95 | | 9 | 4 | 70 | 9 | 37 | 53 | | | |
| December | 9 | 1.15 | ↓ | 7 | 7 | 80 | 19 | 38 | 59 | | | |
| Year | 7 | 21.05 | | | | 76 | 6 | 31 | 54 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1954

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|--|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 60 | 45 | - 4 | 23 | 34 | 6 | 33 | 32 | 28 | 30 | 31 | 18 |
| February | 70 | 52 | 10 | 27 | 39 | 8 | 36 | 33 | 30 | 31 | 32 | 33 |
| March | 61 | 42 | - 6 | 18 | 30 | 2 | 46 | 40 | 14 | 29 | 34 | 34 |
| April | 75 | 62 | 21 | 34 | 48 | 17 | 65 | 59 | 33 | 37 | 48 | 45 |
| May | 88 | 63 | 13 | 38 | 51 | 25 | 70 | 64 | 37 | 44 | 54 | 50 |
| June | 100 | 79 | 27 | 48 | 63 | 27 x 3 | 81 | 77 | 48 | 53 | 65 | 61 |
| July | 99 | 87 | 45 | 57 | 72 | 31 | 85 | 81 | 55 | 59 | 70 | 66 |
| August | 95 | 82 | 45 | 53 | 67 | 31 | 83 | 78 | 53 | 57 | 67 | 65 |
| September | 84 | 73 | 28 | 47 | 60 | 28 x 25 | 77 | 72 | 42 | 52 | 62 | 61 |
| October | 76 | 60 | 12 | 34 | 47 | 20 | 64 | 58 | 36 | 41 | 49 | 51 |
| November | 67 | 53 | 13 | 30 | 41 | 11 | 44 | 42 | 30 | 34 | 38 | 40 |
| December | 62 | 45 | 1 | 24 | 35 | 6 | 35 | 32 | 22 | 27 | 30 | 33 |
| Year | 100 | 62 | - 6 | 36 | 49 | 119 # | 85 | 56 | 14 | 41 | 48 | 46 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | | | | | | | | | | | | |
| January | 8 | .40 | ↑ | 8 | 12 | 74 | 8 | 34 | 54 | X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| February | 10 | 1.20 | | N-D | N-D | 70 | 11 | 29 | 50 | | | |
| March | 5 | 1.50 | | 11 | 10 | 86 | 10 | 40 | 63 | | | |
| April | 7 | .50 | | 6 | 7 | 70 | 8 | 27 | 48 | | | |
| May | 4 | 1.75 | | 6 | 5 | 89 | 10 | 39 | 64 | | | |
| June | 7 | .25 | | 3 | 3 | 73 | 7 | 28 | 50 | | | |
| July | 6 | 1.60 | N-D | 2 | 4 | 77 | 13 | 27 | 52 | | | |
| August | 6 | .84 | | 5 | 3 | 74 | 9 | 29 | 51 | | | |
| September | 6 | 1.85 | | N-D | N-D | 71 | 13 | 33 | 52 | | | |
| October | 6 | .70 | | 4 | 4 | 76 | 11 | 33 | 54 | | | |
| November | 7 | .95 | | 4 | 5 | 70 | 12 | 31 | 50 | | | |
| December | 8 | .60 | ↓ | 4 | 4 | 64 | 3 | 28 | 46 | | | |
| Year | 7 | 11.14 | | | | 75 | 3 | 32 | 53 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1955

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|--|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 54 | 39 | 9 | 18 | 28 | 1 | 33 | 29 | 24 | 26 | 27 | 30 |
| February | 55 | 37 | - 2 | 15 | 26 | 1 | 31 | 30 | 25 | 27 | 28 | 29 |
| March | 59 | 43 | - 7 | 18 | 31 | 3 | 44 | 36 | 29 | 31 | 34 | 33 |
| April | 76 | 58 | 19 | 31 | 44 | 14 | 62 | 53 | 33 | 37 | 45 | 42 |
| May | 78 | 66 | 30 | 40 | 53 | 25 x29 | 67 | 64 | 42 | 43 | 54 | 50 |
| June | 91 | 69 | 34 | 45 | 57 | 30 | 76 | 69 | 45 | 48 | 58 | 56 |
| July | 92 | 85 | 50 | 56 | 70 | 31 | 81 | 79 | 55 | 57 | 68 | 65 |
| August | 88 | 80 | 45 | 55 | 68 | 31 | 80 | 77 | 52 | 57 | 67 | 64 |
| September | 91 | 73 | 31 | 46 | 60 | 27 x24 | 80 | 72 | 42 | 50 | 61 | 60 |
| October | 78 | 64 | 23 | 38 | 51 | 24 | 64 | 61 | 33 | 41 | 51 | 52 |
| November | 66 | 44 | - 2 | 21 | 33 | 4 | 47 | 39 | 28 | 30 | 35 | 39 |
| December | 61 | 42 | - 4 | 24 | 33 | 9 | 36 | 34 | 27 | 29 | 32 | 34 |
| Year | 92 | 58 | - 7 | 34 | 46 | 118 # | 80 | 54 | 24 | 40 | 46 | 46 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| January | 7 | .40 | ↑ | 7 | 4 | 72 | 8 | 33 | 52 | | | |
| February | 7 | 1.30 | | 8 | 4 | 78 | 12 | 32 | 55 | | | |
| March | 9 | 2.50 | | 12 | 11 | 79 | 6 | 30 | 54 | | | |
| April | 8 | .50 | | 10 | 9 | 61 | 10 | 22 | 41 | | | |
| May | 7 | 2.95 | | 12 | 13 | 76 | 9 | 27 | 51 | | | |
| June | 5 | 2.50 | | 9 | 10 | 85 | 10 | 32 | 58 | | | |
| July | 6 | 1.88 | N-D | 6 | 5 | 74 | 10 | 26 | 50 | | | |
| August | 6 | 2.96 | | 5 | 6 | 83 | 13 | 31 | 57 | | | |
| September | 6 | .99 | | 7 | 9 | 67 | 9 | 29 | 48 | | | |
| October | 7 | .35 | | 4 | 4 | 65 | 3 | 25 | 45 | | | |
| November | 7 | 1.55 | | N-D | N-D | 79 | 10 | 34 | 56 | | | |
| December | 9 | .60 | | 10 | 10 | 77 | 12 | 37 | 57 | | | |
| Year | 7 | 18.48 | | | | 75 | 3 | 30 | 52 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1956

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|---|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 61 | N-D | 7 | N-D | N-D | N-D | 34 | 32 | 21 | 24 | 28 | 32 |
| February | 56 | ↑ | - 8 | ↑ | ↑ | ↑ | 31 | 30 | 23 | 26 | 28 | 29 |
| March | 71 | | 0 | | | | 48 | 37 | 28 | 30 | 33 | 33 |
| April | 69 | | 17 | | | | 53 | 50 | 34 | 35 | 43 | 41 |
| May | 80 | | 29 | | | | 69 | 64 | 39 | 43 | 54 | 50 |
| June | 94 | | 44 | | | | 82 | 80 | 51 | 52 | 66 | 61 |
| July | 92 | 81 | 45 | 53 | 67 | 31 | 84 | 81 | 54 | 58 | 69 | 64 |
| August | 88 | 78 | 37 | 52 | 65 | 31 | 81 | 78 | 50 | 52 | 65 | 63 |
| September | 90 | 79 | 34 | 50 | 64 | 30 | 75 | 73 | 48 | 51 | 62 | 60 |
| October | 87 | 68 | 27 | 41 | 54 | 27 x29 | 68 | 61 | 35 | 41 | 51 | 53 |
| November | 64 | 47 | - 1 | 24 | 36 | 7 | 45 | 40 | 33 | 34 | 37 | 40 |
| December | 59 | 46 | 9 | 26 | 36 | 7 | 34 | 32 | 29 | 30 | 31 | 34 |
| Year | 94 | | - 8 | | | # | 84 | 55 | 21 | 40 | 47 | 47 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| January | 5 | .70 | ↑ | 3 | 8 | N-D | N-D | N-D | N-D | | | |
| February | 7 | .80 | | 8 | 10 | ↑ | ↑ | ↑ | ↑ | | | |
| March | 9 | 1.20 | | 10 | 11 | | | | | | | |
| April | 5 | 1.95 | | 16 | 13 | | | | | | | |
| May | 5 | 3.85 | | 11 | 12 | | | | | | | |
| June | 5 | 1.14 | N-D | 5 | 7 | | | | | | | |
| July | 5 | 4.95 | | 24 | 14 | 89 | 16 | 36 | 63 | | | |
| August | 6 | 2.35 | | 10 | 8 | 81 | 16 | 39 | 60 | | | |
| September | 6 | .7 | | 3 | 4 | 62 | 10 | 26 | 44 | | | |
| October | 6 | .15 | | 3 | 3 | 74 | 12 | 33 | 54 | | | |
| November | 7 | 1.65 | | 9 | 14 | 81 | 14 | 37 | 59 | | | |
| December | 7 | .70 | | 5 | 7 | 72 | 12 | 36 | 54 | | | |
| Year | 6 | 19.44 | | | | | | | | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1957

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|---|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 53 | 37 | - 5 | 14 | 26 | 1 | 32 | 31 | 27 | 27 | 29 | 30 |
| February | 58 | 48 | 12 | 27 | 37 | 7 | 41 | 34 | 25 | 29 | 32 | 31 |
| March | 60 | 46 | 9 | 23 | 34 | 1 | 50 | 43 | 32 | 33 | 38 | 36 |
| April | 64 | 48 | 9 | 26 | 37 | 7 | 52 | 44 | 33 | 33 | 39 | 37 |
| May | 74 | 58 | 26 | 37 | 47 | 25 x22 | 66 | 59 | 35 | 38 | 48 | 45 |
| June | 93 | 74 | 36 | 47 | 61 | 30 | 80 | 75 | 44 | 46 | 61 | 57 |
| July | 97 | 83 | 49 | 57 | 70 | 31 | 86 | 83 | 56 | 58 | 70 | 64 |
| August | 93 | 82 | 47 | 55 | 69 | 31 | 88 | 84 | 55 | 59 | 71 | 66 |
| September | 85 | 71 | 32 | 45 | 58 | 30 | 77 | 72 | 42 | 46 | 59 | 56 |
| October | 76 | 56 | 23 | 37 | 47 | 24 x24 | 71 | 57 | 33 | 39 | 48 | 50 |
| November | 60 | 41 | 6 | 24 | 32 | 4 | 47 | 37 | 28 | 37 | 34 | 37 |
| December | 64 | 47 | 10 | 27 | 37 | 9 | 32 | 31 | 21 | 25 | 27 | 31 |
| Year | 97 | 58 | - 5 | 35 | 46 | 156 # | 88 | 54 | 21 | 39 | 46 | 45 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | January | 7 | 1.10 | ↑ | 4 | 4 | 87 | 18 | 49 | | | |
| February | 8 | .70 | | 7 | 6 | 83 | 14 | 35 | 59 | | | |
| March | 5 | 1.30 | | 10 | 12 | 94 | 15 | 42 | 68 | | | |
| April | 4 | 8.10 | | 12 | 12 | 99 | 23 | 56 | 77 | | | |
| May | 4 | 8.35 | | N-D | N-D | 96 | 18 | 56 | 76 | | | |
| June | 7 | 1.46 | N-D | 7 | 6 | 85 | 8 | 33 | 59 | | | |
| July | 6 | 1.36 | | 4 | 5 | 85 | 15 | 37 | 61 | | | |
| August | 6 | 1.81 | | 3 | 4 | 93 | 12 | 33 | 63 | | | |
| September | 6 | 1.25 | | 4 | 4 | 78 | 12 | 33 | 56 | | | |
| October | 4 | 2.61 | | 9 | 9 | 89 | 16 | 53 | 71 | | | |
| November | 6 | 1.30 | | 5 | 6 | 90 | 8 | 53 | 72 | | | |
| December | 11 | .30 | | 10 | 10 | 72 | 4 | 30 | 51 | | | |
| Year | 6 | 29.64 | | | | 88 | 4 | 43 | 65 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. A-1 Altitude 7,200 Ft. Site Ridgetop Summary for 1958

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|-------------------------|---|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 59 | 44 | 5 | 22 | 33 | 0 | 34 | 30 | 19 | 24 | 27 | 30 |
| February | 65 | 47 | 5 | 26 | 37 | 11 | 39 | 34 | 30 | 31 | 32 | 32 |
| March | 58 | 37 | 3 | 19 | 28 | 1 | 34 | 33 | 33 | 33 | 33 | 33 |
| April | 72 | 50 | 18 | 29 | 39 | 7 | 52 | 46 | 33 | 35 | 40 | 38 |
| May | 85 | 70 | 34 | 45 | 58 | 31 x1 | 68 | 59 | 35 | 46 | 53 | 50 |
| June | 92 | 76 | 35 | 50 | 63 | 30 | 74 | 73 | 53 | 56 | 64 | 61 |
| July | 91 | 79 | 45 | 53 | 66 | 31 | 78 | 76 | 57 | 60 | 68 | 64 |
| August | 95 | 83 | 47 | 57 | 70 | 31 | 79 | 74 | 57 | 62 | 68 | 66 |
| September | 88 | 74 | 28 | 46 | 60 | 27 x25 | 74 | 70 | 50 | 55 | 62 | 61 |
| October | 82 | 64 | 18 | 39 | 51 | 19 | 63 | 59 | 39 | 46 | 52 | 52 |
| November | 69 | 50 | 2 | 27 | 39 | 13 | 46 | 43 | 34 | 37 | 40 | 41 |
| December | 57 | 45 | 9 | 24 | 34 | 7 | 35 | 34 | 31 | 33 | 33 | 35 |
| Year | 95 | 60 | 2 | 36 | 48 | 148 # | 79 | 53 | 19 | 43 | 48 | 47 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | January | 7 | .90 | ↑ | 8 | 6 | 73 | 13 | 36 | | | |
| February | 7 | 1.30 | | 9 | 9 | 81 | 16 | 43 | 62 | | | |
| March | 3 | 3.05 | | 15 | 14 | 99 | 21 | 63 | 81 | | | |
| April | 6 | 3.10 | | N-D | N-D | 89 | 13 | 46 | 67 | | | |
| May | 6 | 3.70 | | 11 | 14 | 81 | 16 | 35 | 58 | | | |
| June | 5 | 3.24 | N-D | 8 | 7 | 85 | 12 | 35 | 60 | | | |
| July | 5 | 1.53 | | 5 | 5 | 87 | 10 | 32 | 60 | | | |
| August | 6 | 3.08 | | 9 | 8 | 79 | 9 | 28 | 54 | | | |
| September | 4 | 1.04 | | 5 | 6 | 79 | 9 | 27 | 53 | | | |
| October | 6 | .99 | | 4 | 3 | 58 | 6 | 26 | 42 | | | |
| November | 7 | 1.20 | | N-D | N-D | 72 | 6 | 30 | 51 | | | |
| December | 7 | 1.40 | | N-D | N-D | 80 | 8 | 32 | 55 | | | |
| Year | 6 | 23.53 | | | | 80 | 6 | 36 | 58 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1953

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----|-----------------|-------------------------|-------------------------|-------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Daily Max & Min | Mean of Daily Max & Min | Mean of Daily Max & Min |
| January | 58 | 41 | -4 | 21 | 31 | 5 | 31 | 29 | 24 | 26 | 26 | 29 |
| February | 54 | 35 | -6 | 13 | 24 | 0 | 31 | 29 | 22 | 24 | 27 | 29 |
| March | 67 | 45 | 3 | 21 | 33 | 1 | 44 | 35 | 24 | 29 | 32 | 32 |
| April | 71 | 43 | 3 | 20 | 32 | 5 | 47 | 36 | 32 | 32 | 34 | 35 |
| May | 74 | 53 | 12 | 28 | 41 | 12 x 26 | 57 | 49 | 34 | 38 | 43 | 43 |
| June | 89 | 74 | 37 | 47 | 61 | 30 | 68 | 65 | 48 | 52 | 58 | 57 |
| July | 87 | 77 | 47 | 53 | 65 | 31 | 72 | 69 | 56 | 58 | 63 | 62 |
| August | 85 | 73 | 41 | 48 | 61 | 31 | 70 | 68 | 52 | 55 | 61 | 60 |
| September | 80 | 71 | 29 | 44 | 57 | 28 x 3 | 68 | 64 | 50 | 52 | 58 | 57 |
| October | 75 | 59 | 21 | 36 | 47 | 21 | 57 | 51 | 35 | 41 | 46 | 47 |
| November | 64 | 47 | 6 | 28 | 37 | 10 | 40 | 36 | 30 | 33 | 34 | 36 |
| December | 48 | 33 | -3 | 14 | 24 | 0 | 31 | 29 | 24 | 25 | 27 | 29 |
| Year | 89 | 54 | -6 | 31 | 43 | 100 # | 72 | 47 | 22 | 39 | 43 | 43 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min |
| January | 14 | .55 | ↑ | 4 | 3 | 86 | 15 | 48 | 67 |
| February | 9 | 1.65 | ↑ | 4 | 4 | 93 | 14 | 54 | 73 |
| March | 9 | 2.15 | ↑ | 12 | 4 | 88 | 12 | 38 | 63 |
| April | 7 | 2.70 | ↑ | 16 | 13 | 91 | 19 | 43 | 67 |
| May | 6 | 3.55 | ↑ | 12 | 13 | 93 | 16 | 45 | 69 |
| June | 5 | 1.55 | N-D | 10 | 10 | 88 | 12 | 34 | 61 |
| July | 5 | 2.94 | N-D | 10 | 10 | 76 | 7 | 28 | 52 |
| August | 5 | 2.91 | N-D | 8 | 7 | 79 | 14 | 31 | 55 |
| September | 6 | .10 | ↓ | 4 | 4 | 66 | 17 | 28 | 47 |
| October | 4 | .63 | ↓ | 7 | 4 | 71 | 16 | 35 | 53 |
| November | 8 | 1.50 | ↓ | 7 | 4 | 73 | 14 | 41 | 57 |
| December | 13 | 2.15 | ↓ | 4 | 5 | 84 | 21 | 42 | 63 |
| Year | 8 | 22.38 | | | | 82 | 7 | 39 | 61 |

Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado.
 X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year.
 #Duration of Longest Freeze-free Period.
 *Permanent Wilting Percentage : 4% & 4%
 **Maximum 100% Every Month.

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1954

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----|-----------------|-------------------------|-------------------------|-------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Daily Max & Min | Mean of Daily Max & Min | Mean of Daily Max & Min |
| January | 54 | 40 | -10 | 19 | 29 | 1 | 31 | 29 | 22 | 24 | 26 | 27 |
| February | 59 | 45 | 4 | 22 | 34 | 1 | 32 | 30 | 8 | 19 | 25 | 26 |
| March | 57 | 37 | -11 | 13 | 25 | 0 | 34 | 33 | 10 | 24 | 28 | 29 |
| April | 67 | 55 | 17 | 29 | 42 | 9 | 56 | 49 | 32 | 36 | 42 | 42 |
| May | 84 | 59 | 9 | 34 | 46 | 17 | 66 | 59 | 35 | 42 | 51 | 49 |
| June | 94 | 73 | 23 | 43 | 58 | 25 x 7 | 75 | 71 | 48 | 53 | 62 | 59 |
| July | 92 | 82 | 43 | 53 | 67 | 31 | 78 | 74 | 56 | 58 | 66 | 64 |
| August | 88 | 76 | 40 | 49 | 63 | 31 | 76 | 70 | 52 | 56 | 63 | 62 |
| September | 82 | 70 | 25 | 43 | 57 | 27 x 21 | 70 | 64 | 45 | 52 | 58 | 58 |
| October | 74 | 58 | 11 | 33 | 46 | 19 | 57 | 52 | 35 | 40 | 56 | 57 |
| November | 65 | 48 | 6 | 26 | 37 | 8 | 35 | 33 | 28 | 30 | 32 | 34 |
| December | 55 | 40 | -4 | 19 | 29 | 3 | 32 | 29 | 19 | 23 | 26 | 28 |
| Year | 94 | 58 | -11 | 32 | 44 | 107 # | 78 | 49 | 8 | 38 | 44 | 44 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min |
| January | 11 | .20 | ↑ | 8 | 4 | 81 | 12 | 34 | 57 |
| February | 11 | .90 | ↑ | N-D | N-D | 75 | 11 | 31 | 53 |
| March | 8 | .70 | ↑ | 6 | 5 | 93 | 14 | 44 | 68 |
| April | 8 | .30 | ↑ | 15 | 17 | 76 | 10 | 28 | 52 |
| May | 5 | .95 | ↑ | 13 | 12 | 94 | 14 | 37 | 65 |
| June | 6 | .20 | N-D | 3 | 3 | 78 | 12 | 26 | 52 |
| July | 5 | 1.20 | ↓ | 4 | 3 | 86 | 16 | 30 | 58 |
| August | 5 | 1.39 | ↓ | 6 | 4 | 81 | 11 | 31 | 56 |
| September | 5 | 1.57 | ↓ | N-D | N-D | 81 | 18 | 35 | 58 |
| October | 6 | 1.31 | ↓ | 10 | 5 | 77 | 12 | 33 | 55 |
| November | 6 | 1.05 | ↓ | 9 | 6 | 73 | 12 | 31 | 52 |
| December | 10 | .70 | ↓ | 7 | 8 | 75 | 14 | 27 | 51 |
| Year | 7 | 10.47 | | | | 81 | 10 | 32 | 56 |

Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado.
 X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year.
 #Duration of Longest Freeze-free Period.
 *Permanent Wilting Percentage : 4% & 4%
 **Maximum 100% Every Month.

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1955

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|------|-----------------------|-------------------------|------------------------------|----------------------|-----|----------------|--|-------------------------|----|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| January | 49 | 32 | 0 | 11 | 22 | 0 | 29 | 25 | 18 | 21 | 23 | 25 |
| February | 48 | 33 | - 9 | 9 | 21 | 0 | 28 | 26 | 20 | 20 | 23 | 25 |
| March | 56 | 39 | -11 | 14 | 26 | 0 | 33 | 31 | 22 | 26 | 29 | 29 |
| April | 73 | 51 | 11 | 26 | 39 | 7 | 53 | 44 | 31 | 34 | 39 | 37 |
| May | 74 | 60 | 24 | 35 | 47 | 19 | 59 | 57 | 34 | 37 | 47 | 45 |
| June | 81 | 63 | 29 | 40 | 52 | 26 x10 | 70 | 62 | 42 | 48 | 55 | 52 |
| July | 87 | 77 | 45 | 51 | 65 | 31 | 74 | 72 | 56 | 57 | 65 | 62 |
| August | 80 | 73 | 40 | 50 | 62 | 31 | 69 | 67 | 51 | 55 | 61 | 60 |
| September | 80 | 67 | 26 | 43 | 55 | 27 x21 | 70 | 64 | 43 | 49 | 57 | 56 |
| October | 72 | 59 | 19 | 33 | 46 | 19 | 53 | 50 | 32 | 39 | 45 | 46 |
| November | 59 | 40 | - 9 | 18 | 29 | 2 | 38 | 35 | 28 | 31 | 33 | 35 |
| December | 53 | 38 | 2 | 20 | 29 | 6 | 34 | 32 | 25 | 27 | 30 | 31 |
| Year | 87 | 53 | -11 | 29 | 41 | 106 # | 74 | 47 | 18 | 37 | 42 | 42 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | | Mean of Daily Max & Min | |
| January | 9 | .30 | ↑ | 3 | 4 | 82 | 12 | 33 | 57 | | | |
| February | 9 | 1.00 | ↑ | 8 | 7 | 82 | 15 | 34 | 58 | | | |
| March | 11 | 2.55 | ↑ | 13 | 4 | 81 | 12 | 35 | 58 | | | |
| April | 9 | .60 | ↑ | 14 | 14 | 67 | 15 | 28 | 48 | | | |
| May | 7 | 3.50 | ↑ | 14 | 13 | 80 | 13 | 31 | 55 | | | |
| June | 5 | 1.70 | N-D | 13 | 16 | 89 | 16 | 37 | 63 | | | |
| July | N-D | 1.81 | N-D | 13 | 11 | 81 | 14 | 29 | 55 | | | |
| August | 4 | 3.42 | ↑ | 9 | 9 | 91 | 20 | 39 | 65 | | | |
| September | 5 | .93 | ↑ | 8 | 5 | 74 | 16 | 31 | 52 | | | |
| October | 7 | .25 | ↑ | 7 | 7 | 72 | 5 | 26 | 49 | | | |
| November | 9 | 1.45 | ↑ | N-D | N-D | 82 | 12 | 35 | 59 | | | |
| December | 9 | .50 | ↑ | 10 | 7 | 80 | 12 | 35 | 58 | | | |
| Year | 8 | 18.01 | ↑ | | | 80 | 5 | 33 | 56 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1956

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|------|-----------------------|-------------------------|------------------------------|----------------------|-----|----------------|---|-------------------------|----|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| January | 59 | N-D | 3 | N-D | N-D | N-D | 31 | 30 | 19 | 21 | 25 | 29 |
| February | 54 | ↑ | -14 | ↑ | ↑ | ↑ | 30 | 29 | 21 | 23 | 26 | 27 |
| March | 64 | ↑ | - 9 | ↑ | ↑ | ↑ | 49 | 36 | 25 | 27 | 32 | 29 |
| April | 63 | ↑ | 13 | ↑ | ↑ | ↑ | 47 | 45 | 31 | 33 | 39 | 38 |
| May | 73 | ↑ | 24 | ↑ | ↑ | ↑ | 62 | 57 | 38 | 42 | 49 | 48 |
| June | 86 | ↑ | 38 | ↑ | ↑ | ↑ | 73 | 71 | 51 | 53 | 62 | 61 |
| July | 86 | 76 | 42 | 49 | 62 | 31 | 75 | 73 | 53 | 57 | 65 | 63 |
| August | 82 | 71 | 31 | 47 | 59 | 30 x31 | 72 | 69 | 50 | 53 | 61 | 59 |
| September | 84 | 74 | 30 | 44 | 59 | 29 | 68 | 66 | 49 | 52 | 59 | 59 |
| October | 77 | 63 | 22 | 35 | 49 | 21 | 57 | 49 | 33 | 41 | 45 | 47 |
| November | 60 | 43 | - 5 | 20 | 31 | 3 | 38 | 35 | 28 | 31 | 33 | 34 |
| December | 58 | 42 | 3 | 21 | 31 | 0 | 31 | 30 | 25 | 27 | 28 | 30 |
| Year | 86 | | -14 | | | # | 75 | 49 | 19 | 38 | 44 | 44 |
| Month | WIND | PRECIP | SNOW | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. | | |
| | Average Vel mph | Inches Water | | Max Depth | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | | Mean of Daily Max & Min | |
| January | 6 | .85 | ↑ | 5 | 12 | N-D | N-D | N-D | N-D | | | |
| February | 8 | 1.15 | ↑ | 10 | 6 | ↑ | ↑ | ↑ | ↑ | | | |
| March | N-D | 1.40 | ↑ | 9 | 10 | ↑ | ↑ | ↑ | ↑ | | | |
| April | 5 | 1.90 | ↑ | 15 | 12 | ↑ | ↑ | ↑ | ↑ | | | |
| May | 5 | 3.50 | ↑ | 10 | 10 | ↑ | ↑ | ↑ | ↑ | | | |
| June | 5 | .80 | ↑ | 6 | 7 | ↑ | ↑ | ↑ | ↑ | | | |
| July | 4 | 3.45 | N-D | 17 | 19 | 87 | 18 | 36 | 62 | | | |
| August | 5 | 2.55 | ↑ | 11 | 11 | 80 | 20 | 38 | 59 | | | |
| September | 5 | .01 | ↑ | 4 | 4 | 66 | 11 | 25 | 46 | | | |
| October | 6 | .20 | ↑ | 4 | 4 | 71 | 18 | 31 | 51 | | | |
| November | 8 | 1.60 | ↑ | 3 | 5 | 75 | 17 | 34 | 55 | | | |
| December | 7 | .80 | ↑ | 4 | 4 | 74 | 21 | 35 | 55 | | | |
| Year | 6 | 18.21 | ↑ | | | | | | | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1957

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 50 | 33 | -12 | 10 | 22 | 0 | 35 | 30 | 23 | 25 | 27 | 29 |
| February | 54 | 43 | 14 | 24 | 33 | 1 | 33 | 30 | 22 | 26 | 28 | 28 |
| March | 57 | 43 | 5 | 19 | 31 | 1 | 33 | 32 | 29 | 29 | 30 | 31 |
| April | 63 | 45 | 6 | 21 | 33 | 2 | 40 | 36 | 32 | 32 | 34 | 33 |
| May | 69 | 54 | 24 | 33 | 43 | 17 x24 | 56 | 47 | 32 | 34 | 41 | 38 |
| June | 84 | 69 | 34 | 43 | 56 | 30 | 71 | 65 | 43 | 46 | 56 | 53 |
| July | 90 | 77 | 45 | 52 | 64 | 31 | 75 | 71 | 54 | 57 | 64 | 62 |
| August | 83 | 76 | 43 | 50 | 63 | 31 | 75 | 72 | 53 | 56 | 64 | 62 |
| September | 78 | 66 | 26 | 40 | 53 | 24 x13 | 66 | 60 | 41 | 44 | 52 | 52 |
| October | 75 | 55 | 19 | 33 | 44 | 14 | 58 | 49 | 35 | 40 | 44 | 44 |
| November | 55 | 35 | 0 | 18 | 27 | 1 | 40 | 34 | 26 | 30 | 33 | 33 |
| December | 55 | 40 | 4 | 21 | 30 | 2 | 30 | 29 | 19 | 22 | 26 | 28 |
| Year | 90 | 53 | -12 | 31 | 42 | 113 # | 75 | 46 | 19 | 37 | 42 | 41 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 9 | 1.00 | ↑ | 10 | 13 | 83 | 20 | 38 | 60 | |
| March | 6 | .75 | ↑ | 20 | 14 | 92 | 22 | 42 | 67 | |
| April | 6 | 8.25 | ↑ | 14 | 17 | 98 | 20 | 51 | 75 | |
| May | 5 | 6.45 | ↑ | N-D | N-D | 96 | 22 | 52 | 74 | |
| June | 6 | 1.71 | ↑ | 8 | 10 | 84 | 12 | 35 | 60 | |
| July | 4 | 4.09 | ↑ | 12 | 13 | 85 | 20 | 40 | 62 | |
| August | 5 | 2.40 | ↑ | 7 | 6 | 93 | 18 | 37 | 65 | |
| September | 4 | 1.48 | ↑ | 10 | 7 | 79 | 21 | 36 | 58 | |
| October | 4 | 2.23 | ↑ | 11 | 9 | 90 | 20 | 47 | 68 | |
| November | 6 | .80 | ↑ | 17 | 13 | 89 | 17 | 48 | 68 | |
| December | 12 | 1.15 | ↓ | 12 | 11 | 72 | 6 | 32 | 52 | |
| Year | 6 | 30.66 | ↑ | 12 | 11 | 87 | 6 | 42 | 65 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. B-1 Altitude 8,500 Ft. Site Ridgetop Summary for 1958

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 54 | 39 | - 2 | 17 | 28 | 0 | 28 | 25 | 16 | 19 | 22 | 23 |
| February | 61 | 41 | 4 | 22 | 31 | 3 | 32 | 29 | 22 | 24 | 27 | 27 |
| March | 53 | 37 | - 2 | 13 | 25 | 0 | 31 | 30 | 23 | 27 | 28 | 29 |
| April | 64 | 45 | 12 | 24 | 34 | 4 | 45 | 37 | 30 | 31 | 34 | 32 |
| May | 77 | 63 | 30 | 40 | 52 | 25 | 63 | 52 | 32 | 39 | 45 | 43 |
| June | 83 | 70 | 31 | 45 | 58 | 30 x26 | 71 | 70 | 48 | 51 | 60 | 58 |
| July | 86 | 74 | 38 | 47 | 61 | 31 | 74 | 73 | 51 | 54 | 64 | 61 |
| August | 87 | 77 | 41 | 52 | 64 | 31 | 79 | 73 | 52 | 57 | 65 | 62 |
| September | 82 | 66 | 23 | 40 | 53 | 23 x14 | 70 | 65 | 44 | 50 | 57 | 57 |
| October | 78 | 59 | 13 | 34 | 46 | 18 | 53 | 49 | 35 | 38 | 43 | 45 |
| November | 62 | 47 | - 2 | 23 | 35 | 6 | 36 | 34 | 31 | 32 | 33 | 35 |
| December | 54 | 38 | 2 | 19 | 29 | 0 | 33 | 32 | 27 | 30 | 31 | 31 |
| Year | 87 | 55 | - 2 | 31 | 43 | 81 # | 79 | 47 | 16 | 38 | 42 | 42 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 4% & 4% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 8 | .45 | ↑ | 17 | 10 | 83 | 16 | 43 | 63 | |
| March | 4 | 3.00 | ↑ | 14 | 13 | 99 | 23 | 55 | 77 | |
| April | 8 | 2.95 | ↑ | N-D | N-D | 90 | 16 | 44 | 67 | |
| May | 6 | 5.15 | ↑ | 12 | 13 | 88 | 16 | 37 | 63 | |
| June | 5 | 2.75 | ↑ | 9 | 9 | 86 | 11 | 37 | 61 | |
| July | 5 | 2.30 | ↑ | 11 | 11 | 92 | 12 | 35 | 63 | |
| August | 5 | 2.96 | ↑ | 10 | 11 | 80 | 14 | 34 | 57 | |
| September | 5 | 1.29 | ↑ | 5 | 7 | 82 | 16 | 32 | 57 | |
| October | 5 | 1.10 | ↑ | 5 | 5 | 61 | 10 | 30 | 46 | |
| November | 8 | 1.30 | ↑ | N-D | N-D | 70 | 12 | 31 | 51 | |
| December | 10 | 1.95 | ↑ | N-D | N-D | 80 | 14 | 36 | 58 | |
| Year | 6 | 26.00 | ↑ | 12 | 11 | 82 | 10 | 37 | 60 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1953

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 44 | 29 | - 7 | 16 | 23 | 0 | 32 | 30 | 21 | 23 | 26 | 28 |
| February | 40 | 25 | -10 | 8 | 16 | 0 | 32 | 29 | 19 | 21 | 25 | 27 |
| March | 54 | 34 | 1 | 16 | 25 | 0 | 45 | 38 | 21 | 26 | 32 | 30 |
| April | 56 | 34 | 2 | 18 | 27 | 2 | 43 | 34 | 27 | 29 | 31 | 31 |
| May | 59 | 43 | 6 | 25 | 34 | 9 | 52 | 43 | 32 | 33 | 38 | 36 |
| June | 75 | 63 | 29 | 38 | 51 | 26 x7 | 70 | 62 | 39 | 44 | 53 | 50 |
| July | 74 | 67 | 35 | 44 | 55 | 31 | 72 | 68 | 48 | 51 | 59 | 57 |
| August | 71 | 65 | 33 | 41 | 53 | 31 | 71 | 68 | 47 | 49 | 58 | 56 |
| September | 68 | 62 | 25 | 36 | 49 | 21 x3 | 65 | 62 | 44 | 46 | 54 | 54 |
| October | 65 | 49 | 17 | 28 | 38 | 6 | 59 | 52 | 32 | 36 | 44 | 44 |
| November | 54 | 36 | - 3 | 21 | 28 | 0 | 46 | 39 | 29 | 31 | 35 | 36 |
| December | 41 | 25 | -11 | 9 | 17 | 0 | 31 | 28 | 17 | 21 | 24 | 29 |
| Year | 75 | 44 | -11 | 25 | 35 | 87 # | 72 | 46 | 17 | 34 | 40 | 40 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 5% x 9% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|--|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 15 | 2.05 | 44 | 6 | 8 | 92 | 14 | 46 | 69 | |
| March | 13 | 2.20 | 60 | 9 | 9 | 87 | 13 | 37 | 62 | |
| April | 9 | 3.25 | 60 | 15 | 13 | 91 | 15 | 34 | 62 | |
| May | 8 | 4.45 | 57 | 16 | 19 | 96 | 10 | 39 | 68 | |
| June | 7 | 2.35 | 27 | 15 | 18 | 92 | 7 | 27 | 59 | |
| July | 6 | 2.75 | 0 | 16 | 14 | 96 | 8 | 37 | 67 | |
| August | 6 | 1.81 | 0 | 11 | 13 | 98 | 8 | 33 | 66 | |
| September | 8 | .63 | 0 | 5 | 9 | 79 | 12 | 25 | 52 | |
| October | 7 | .90 | 0 | 12 | 10 | 83 | 8 | 37 | 60 | |
| November | 12 | 3.05 | 0 | 11 | 10 | 84 | 10 | 39 | 61 | |
| December | 19 | 1.70 | 0 | 7 | 7 | 95 | 15 | 45 | 70 | |
| Year | 11 | 26.92 | 60 | | | 90 | 7 | 37 | 64 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1954

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 44 | 30 | - 3 | 15 | 22 | 0 | 32 | 31 | 9 | 17 | 24 | 25 |
| February | 49 | 34 | - 3 | 18 | 26 | 0 | 36 | 33 | 6 | 22 | 28 | 28 |
| March | 42 | 28 | -11 | 10 | 19 | 0 | 31 | 30 | 19 | 24 | 27 | 28 |
| April | 55 | 44 | 14 | 24 | 34 | 0 | 53 | 48 | 25 | 31 | 39 | 35 |
| May | 67 | 49 | 4 | 27 | 38 | 4 | 61 | 54 | 31 | 35 | 44 | 43 |
| June | 77 | 60 | 19 | 34 | 47 | 19 x17 | 74 | 69 | 37 | 43 | 56 | 53 |
| July | 77 | 68 | 39 | 45 | 56 | 31 | 78 | 75 | 49 | 52 | 63 | 59 |
| August | 73 | 65 | 31 | 39 | 52 | 29 x19 | 78 | 74 | 47 | 51 | 62 | 58 |
| September | 68 | 60 | 28 | 37 | 48 | 25 | 70 | 65 | 41 | 48 | 56 | 54 |
| October | 61 | 49 | 6 | 29 | 39 | 14 | 59 | 55 | 33 | 37 | 46 | 44 |
| November | 55 | 39 | - 1 | 22 | 30 | 0 | 42 | 37 | 29 | 31 | 34 | 35 |
| December | 48 | 31 | -13 | 15 | 23 | 0 | 33 | 32 | 19 | 24 | 28 | 30 |
| Year | 77 | 46 | -13 | 26 | 36 | 64 # | 78 | 50 | 6 | 34 | 42 | 41 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 5% & 9% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|--|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 17 | .40 | 25 | N-D | N-D | 82 | 10 | 37 | 59 | |
| March | 12 | 1.30 | 43 | 20 | 18 | 95 | 12 | 45 | 70 | |
| April | 11 | .80 | 39 | N-D | N-D | 82 | 10 | 31 | 56 | |
| May | 7 | 1.85 | 22 | 20 | 18 | 99 | 13 | 36 | 67 | |
| June | 8 | 1.10 | 0 | 7 | 9 | 88 | 11 | 28 | 58 | |
| July | 6 | 3.06 | 0 | 5 | 5 | 86 | 11 | 32 | 64 | |
| August | 6 | 1.65 | 0 | 7 | 9 | 92 | 9 | 30 | 61 | |
| September | 7 | 2.78 | 0 | N-D | N-D | 87 | 15 | 36 | 61 | |
| October | 9 | 1.10 | 0 | 11 | 16 | 86 | 12 | 41 | 63 | |
| November | 11 | 1.30 | 6 | 13 | 13 | 82 | 15 | 41 | 62 | |
| December | 14 | .70 | 12 | 15 | N-D | 83 | 10 | 34 | 59 | |
| Year | 10 | 15.54 | 43 | | | 88 | 9 | 36 | 62 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1955

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 40 | 25 | -6 | 10 | 23 | 0 | 29 | 27 | 11 | 14 | 21 | 24 |
| February | 39 | 27 | -11 | 10 | 19 | 0 | 29 | 27 | 10 | 16 | 21 | 24 |
| March | 48 | 32 | -11 | 14 | 23 | 0 | 32 | 31 | 19 | 21 | 26 | 27 |
| April | 58 | 39 | 2 | 19 | 29 | 2 | 55 | 41 | 16 | 27 | 34 | 31 |
| May | 60 | 49 | 17 | 28 | 39 | 6 | 55 | 53 | 33 | 33 | 43 | 38 |
| June | 69 | 55 | 25 | 34 | 44 | 18 x19 | 68 | 58 | 36 | 40 | 49 | 46 |
| July | 72 | 67 | 35 | 42 | 54 | 31 | 74 | 71 | 48 | 49 | 60 | 57 |
| August | 69 | 64 | 28 | 42 | 53 | 29 x29 | 70 | 66 | 45 | 48 | 57 | 55 |
| September | 69 | 59 | 23 | 34 | 47 | 18 | 70 | 66 | 42 | 47 | 57 | 53 |
| October | 64 | 49 | 15 | 28 | 39 | 10 | 58 | 55 | 34 | 38 | 46 | 45 |
| November | 49 | 33 | 12 | 17 | 25 | 1 | 39 | 35 | 27 | 30 | 33 | 35 |
| December | 47 | 32 | 6 | 19 | 25 | 1 | 33 | 31 | 20 | 23 | 27 | 30 |
| Year | 72 | 44 | -12 | 25 | 35 | 72 # | 74 | 45 | 10 | 32 | 39 | 39 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 5% & 9% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|--|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 14 | 1.10 | 25 | 12 | N-D | 92 | 14 | 34 | 63 | |
| March | 15 | 2.45 | 44 | 16 | N-D | 91 | 15 | 35 | 63 | |
| April | 12 | .55 | 40 | 14 | 19 | 77 | 17 | 34 | 55 | |
| May | 8 | 3.55 | 6 | 14 | 17 | 87 | 19 | 41 | 64 | |
| June | 6 | 1.80 | 0 | 11 | 16 | 99 | 22 | 42 | 70 | |
| July | 6 | 1.82 | 0 | 12 | 13 | 93 | 17 | 37 | 65 | |
| August | 5 | 4.47 | 0 | N-D | N-D | 99 | 20 | 45 | 72 | |
| September | 7 | .83 | 0 | 10 | 12 | 85 | 11 | 34 | 60 | |
| October | 10 | .50 | 2 | 8 | 10 | 84 | 7 | 30 | 57 | |
| November | 15 | 2.60 | 16 | N-D | N-D | 82 | 21 | 27 | 55 | |
| December | 16 | 1.70 | 27 | 7 | 10 | 90 | 22 | 47 | 69 | |
| Year | 11 | 21.92 | 44 | | | 89 | 7 | 38 | 64 | |

* * Data extrapolated

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1956

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | 11-13 In. | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 46 | N-D | 2 | N-D | N-D | N-D | 32 | 31 | 20 | 25 | 28 | 29 |
| February | 38 | ↑ | -20 | ↑ | ↑ | ↑ | 30 | 28 | 18 | 20 | 24 | 26 |
| March | 54 | | -16 | | | | 48 | 35 | 20 | 23 | 29 | 28 |
| April | 54 | | 7 | | | | 48 | 46 | 31 | 31 | 38 | 33 |
| May | 63 | | 21 | | | | 60 | 54 | 33 | 36 | 45 | 41 |
| June | 73 | | 29 | | | | 73 | 73 | 46 | 48 | 60 | 56 |
| July | 73 | 65 | 31 | 38 | 51 | 29 x5 | 76 | 73 | 47 | 50 | 61 | 59 |
| August | 70 | 62 | 27 | 39 | 51 | 30 x30 | 72 | 69 | 46 | 47 | 58 | 55 |
| September | 70 | 64 | 22 | 35 | 49 | 19 | 68 | 66 | 44 | 48 | 57 | 54 |
| October | 63 | 52 | 14 | 27 | 40 | 6 | 56 | 52 | 32 | 38 | 45 | 46 |
| November | 50 | 32 | -17 | 13 | 22 | 1 | 42 | 37 | 26 | 28 | 32 | 35 |
| December | 52 | 33 | -4 | 15 | 24 | 0 | 37 | 32 | 21 | 25 | 28 | 31 |
| Year | 73 | | -20 | | | 56 # | 76 | 50 | 18 | 35 | 42 | 41 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 5% & 9% **Maximum 100% Every Month. |
|-----------|-------------------------|------------------------|-------------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| | | | | | | | | | | |
| February | 11 | 1.70 | 42 | 6 | 7 | ↑ | ↑ | ↑ | ↑ | |
| March | 14 | .50 | 47 | 14 | 14 | | | | | |
| April | 8 | 2.90 | 49 | 16 | 14 | | | | | |
| May | 7 | 3.40 | 42 | 17 | 19 | | | | | |
| June | 6 | .48 | 0 | 9 | 14 | | | | | |
| July | 5 | 3.25 | 0 | 18 | 20 | 99 | 22 | 43 | 71 | |
| August | 6 | 2.84 | 0 | 14 | 16 | 98 | 21 | 39 | 69 | |
| September | 6 | .14 | 0 | 4 | 12 | 76 | 14 | 29 | 52 | |
| October | 9 | .20 | 6 | 10 | 16 | 84 | 19 | 33 | 59 | |
| November | 13 | 1.55 | 14 | 6 | 13 | 87 | 18 | 45 | 66 | |
| December | 14 | 1.15 | 29 | 5 | 10 | 84 | 17 | 43 | 64 | |
| Year | 9 | 20.56 | 49 | | | | | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1957

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|----------------------------|---------------------------|----------------------|--------------------------|-------------------------------|--|----------------------|-----------------------|-------------------------------|---|--------------------------------|--------------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 39 | 24 | -6 | 8 | 16 | 0 | 31 | 29 | 17 | 20 | 25 | 28 |
| February | 47 | 34 | -6 | 19 | 27 | 0 | 35 | 34 | 20 | 26 | 30 | 29 |
| March | 47 | 33 | -1 | 14 | 24 | 0 | 33 | 32 | 22 | 25 | 29 | 30 |
| April | 52 | 37 | 2 | 18 | 27 | 0 | 34 | 33 | 31 | 31 | 32 | 31 |
| May | 56 | 44 | 16 | 26 | 35 | 1 | 51 | 42 | 32 | 32 | 37 | 34 |
| June | 72 | 59 | 28 | 36 | 47 | 23 x24 | 71 | 63 | 36 | 38 | 51 | 46 |
| July | 75 | 66 | 33 | 44 | 55 | 31 | 74 | 70 | 49 | 51 | 61 | 55 |
| August | 75 | 65 | 36 | 43 | 54 | 31 | 76 | 72 | 47 | 50 | 61 | 57 |
| September | 68 | 57 | 18 | 31 | 44 | 13 x7 | 64 | 60 | 37 | 39 | 50 | 48 |
| October | 64 | 47 | 9 | 27 | 37 | 7 | 58 | 49 | 34 | 37 | 43 | 42 |
| November | 45 | 28 | -13 | 12 | 20 | 0 | 40 | 34 | 20 | 26 | 30 | 33 |
| December | 47 | 30 | 1 | 16 | 23 | 1 | 31 | 30 | 19 | 21 | 26 | 28 |
| Year | 75 | 44 | -13 | 24 | 34 | 75 | 76 | 46 | 17 | 33 | 40 | 39 |
| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Re- search and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze- free Period. *Permanent Wilting Per- centage : 5% & 9% **Maximum 100% Every Month. | | |
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | January | 13 | 2.55 | 37 | 5 | 8 | 98 | 25 | 60 | | 79 | |
| February | 13 | 1.80 | 44 | 10 | 11 | 92 | 25 | 49 | 70 | | | |
| March | 10 | 2.05 | 58 | 10 | 12 | 97 | 28 | 53 | 75 | | | |
| April | 8 | 8.85 | 76 | 15 | 20 | 100 | 30 | 61 | 80 | | | |
| May | 7 | 7.30 | 70 | 16 | 20 | 99 | 25 | 53 | 76 | | | |
| June | 8 | 3.29 | 18 | 8 | 13 | 98 | 19 | 41 | 69 | | | |
| July | 5 | 3.49 | 0 | 12 | 16 | 95 | 24 | 43 | 69 | | | |
| August | 6 | 3.01 | 0 | 19 | 18 | 100 | 22 | 42 | 71 | | | |
| September | 6 | 1.70 | 0 | 8 | 12 | 97 | 18 | 35 | 66 | | | |
| October | 6 | 2.45 | 6 | 15 | 14 | 96 | 16 | 46 | 71 | | | |
| November | 10 | 1.15 | 14 | 18 | 24 | 92 | 18 | 51 | 72 | | | |
| December | 18 | .90 | 19 | 10 | 15 | 86 | 6 | 41 | 63 | | | |
| Year | 9 | 38.54 | 76 | | | 96 | 6 | 48 | 72 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. C-1 Altitude 10,000 Ft. Site Ridgetop Summary for 1958

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|----------------------------|---------------------------|----------------------|--------------------------|-------------------------------|--|----------------------|-----------------------|-------------------------------|---|--------------------------------|--------------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Mean of Weekly Max & Min |
| January | 44 | 29 | -12 | 8 | 18 | 0 | 29 | 28 | 18 | 24 | 27 | 25 |
| February | 48 | 31 | 3 | 16 | 23 | 0 | 32 | 31 | 18 | 21 | 26 | 27 |
| March | 39 | 28 | -10 | 8 | 18 | 0 | 30 | 29 | 19 | 25 | 27 | 27 |
| April | 53 | 35 | -1 | 15 | 25 | 0 | 32 | 31 | 27 | 30 | 30 | 30 |
| May | 66 | 53 | 17 | 31 | 42 | 15 | 57 | 47 | 32 | 34 | 40 | 36 |
| June | 72 | 62 | 29 | 37 | 49 | 26 | 70 | 67 | 43 | 44 | 56 | 51 |
| July | 73 | 64 | 30 | 39 | 52 | 30 x6 | 73 | 71 | 46 | 50 | 61 | 57 |
| August | 76 | 66 | 33 | 40 | 53 | 31 | 76 | 72 | 42 | 50 | 61 | 58 |
| September | 72 | 60 | 19 | 34 | 47 | 19 x15 | 71 | 65 | 40 | 45 | 55 | 54 |
| October | 64 | 51 | 4 | 26 | 38 | 10 | 57 | 52 | 33 | 37 | 44 | 44 |
| November | 49 | 38 | -1 | 20 | 29 | 0 | 38 | 35 | 25 | 29 | 32 | 34 |
| December | 47 | 31 | -12 | 17 | 24 | 0 | 32 | 31 | 24 | 27 | 29 | 31 |
| Year | 76 | 46 | -12 | 24 | 35 | 70 | 76 | 47 | 18 | 35 | 41 | 40 |
| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Re- search and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze- free Period. *Permanent Wilting Per- centage : 5% & 9% **Maximum 100% Every Month. | | |
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | | |
| | January | 11 | 1.55 | 32 | 20 | 21 | 86 | 16 | 42 | | 64 | |
| February | 11 | 1.30 | 34 | 44 | 14 | 92 | 18 | 54 | 73 | | | |
| March | 6 | 3.55 | 48 | 19 | 15 | 98 | 20 | 56 | 77 | | | |
| April | 9 | 3.75 | 59 | 20 | 20 | 94 | 18 | 49 | 71 | | | |
| May | 6 | 2.85 | 45 | 14 | 16 | 96 | 16 | 38 | 67 | | | |
| June | 6 | 1.95 | 0 | 13 | 13 | 90 | 12 | 34 | 62 | | | |
| July | 5 | 1.42 | 0 | 5 | 12 | 98 | 16 | 36 | 67 | | | |
| August | 5 | 2.16 | 0 | 11 | 14 | 99 | 21 | 41 | 70 | | | |
| September | 6 | .95 | 2 | 9 | 8 | 90 | 6 | 32 | 61 | | | |
| October | 8 | 1.08 | 6 | 6 | 9 | 69 | 7 | 29 | 49 | | | |
| November | 14 | 1.80 | 14 | 10 | 12 | 80 | 5 | 33 | 57 | | | |
| December | 13 | 3.60 | 39 | 16 | 20 | 91 | 13 | 46 | 63 | | | |
| Year | 8 | 25.96 | 59 | | | 90 | 5 | 41 | 66 | | | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1953

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|-----|-----------------|-----|-----------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | | | | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min |
| January | 32 | 18 | -3 | 8 | 13 | 0 | 22 | 20 | 12 | 14 | 17 | 17 | 17 | 17 | 17 | 17 |
| February | 24 | 13 | -15 | 1 | 7 | 0 | 21 | 18 | 6 | 10 | 14 | 15 | 15 | 15 | 15 | 15 |
| March | 41 | 21 | -9 | 9 | 15 | 0 | 27 | 22 | 11 | 14 | 18 | 18 | 18 | 18 | 18 | 18 |
| April | 47 | 23 | -4 | 11 | 17 | 0 | 30 | 26 | 15 | 19 | 22 | 23 | 23 | 23 | 23 | 23 |
| May | 46 | 32 | 5 | 19 | 26 | 2 | 35 | 32 | 23 | 27 | 30 | 29 | 29 | 29 | 29 | 29 |
| June | 61 | 51 | 25 | 36 | 44 | 20 x25 | 48 | 44 | 32 | 34 | 39 | 37 | 37 | 37 | 37 | 37 |
| July | 62 | 55 | 35 | 41 | 48 | 31 | 53 | 51 | 42 | 43 | 47 | 45 | 45 | 45 | 45 | 45 |
| August | 57 | 51 | 32 | 37 | 44 | 28 x11 | 52 | 49 | 41 | 42 | 46 | 45 | 45 | 45 | 45 | 45 |
| September | 57 | 49 | 23 | 34 | 41 | 18 | 48 | 46 | 37 | 39 | 43 | 42 | 42 | 42 | 42 | 42 |
| October | 51 | 36 | 10 | 24 | 30 | 5 | 43 | 40 | 30 | 33 | 36 | 37 | 37 | 37 | 37 | 37 |
| November | 43 | 25 | -5 | 15 | 20 | 0 | 32 | 31 | 19 | 23 | 27 | 29 | 29 | 29 | 29 | 29 |
| December | 23 | 13 | -11 | 2 | 8 | 0 | 25 | 22 | 11 | 12 | 17 | 19 | 19 | 19 | 19 | 19 |
| Year | 62 | 32 | -15 | 20 | 26 | 45 # | 53 | 33 | 6 | 26 | 30 | 30 | 30 | 30 | 30 | 30 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 10% & 4% **Maximum 100% Every Month. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 30 | 2.85 | ↑ | 39 | 15 | 100 | 27 | 76 | 88 | |
| February | 25 | 1.30 | | 23 | 17 | 100 | 29 | 70 | 85 | |
| March | 22 | 2.15 | | 23 | 18 | 96 | 26 | 63 | 79 | |
| April | 20 | 2.05 | | 21 | 14 | 98 | 24 | 64 | 81 | |
| May | 14 | 3.55 | | 33 | 18 | 95 | 24 | 58 | 77 | |
| June | 12 | 2.80 | N-D | 22 | 20 | 83 | 17 | 31 | 57 | |
| July | 9 | 4.00 | | 40 | 20 | 85 | 17 | 41 | 63 | |
| August | 11 | 3.30 | | 36 | 14 | 92 | 22 | 43 | 68 | |
| September | 15 | .75 | | 21 | 16 | 70 | 14 | 30 | 50 | |
| October | 15 | 1.15 | | 25 | 22 | 76 | 5 | 40 | 58 | |
| November | 24 | 3.10 | | 24 | 22 | N-D | N-D | N-D | N-D | |
| December | 26 | 1.30 | | 15 | 12 | 94 | 19 | 64 | 79 | |
| Year | 19 | 28.30 | | | | 90 | 5 | 53 | 71 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1954

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|-----|-----------------|-----|-----------------|--------------------------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | | | | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min |
| January | 28 | 15 | -9 | 4 | 10 | 0 | 21 | 21 | 11 | 12 | 16 | 17 | 17 | 17 | 17 | 17 |
| February | 33 | 21 | -9 | 9 | 15 | 0 | 25 | 25 | 12 | 15 | 20 | 20 | 20 | 20 | 20 | 20 |
| March | 29 | 18 | -15 | 3 | 10 | 0 | 23 | 23 | 9 | 13 | 18 | 16 | 16 | 16 | 16 | 16 |
| April | 43 | 31 | 3 | 17 | 24 | 0 | 32 | 30 | 16 | 21 | 25 | 27 | 27 | 27 | 27 | 27 |
| May | 55 | 41 | 5 | 24 | 32 | 3 | 43 | 38 | 27 | 30 | 34 | 33 | 33 | 33 | 33 | 33 |
| June | 67 | 50 | 11 | 32 | 41 | 17 x18 | 53 | 47 | 30 | 35 | 41 | 39 | 39 | 39 | 39 | 39 |
| July | 65 | 58 | 36 | 42 | 50 | 31 | 56 | 54 | 42 | 43 | 48 | 46 | 46 | 46 | 46 | 46 |
| August | 60 | 53 | 29 | 39 | 46 | 28 x19 | 55 | 53 | 40 | 41 | 47 | 46 | 46 | 46 | 46 | 46 |
| September | 59 | 47 | 23 | 33 | 40 | 13 | 52 | 48 | 35 | 37 | 42 | 42 | 42 | 42 | 42 | 42 |
| October | 49 | N-D | 5 | N-D | N-D | N-D | 41 | 41 | 30 | 30 | 35 | 35 | 35 | 35 | 35 | 35 |
| November | 42 | 29 | -6 | 16 | 22 | 0 | 31 | 31 | 19 | 24 | 27 | 29 | 29 | 29 | 29 | 29 |
| December | 40 | 21 | -10 | 8 | 14 | 0 | 25 | 24 | 13 | 13 | 19 | 20 | 20 | 20 | 20 | 20 |
| Year | 67 | 35 | -15 | 21 | 28 | 63 # | 56 | 36 | 9 | 26 | 31 | 31 | 31 | 31 | 31 | 31 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 10% & 4% **Maximum 100% Every Month. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 25 | .80 | ↑ | 23 | 18 | 96 | 10 | 53 | 74 | |
| February | 23 | .80 | | 56 | N-D | 85 | 15 | 43 | 64 | |
| March | 19 | 3.15 | | 22 | N-D | 100 | 16 | 49 | 74 | |
| April | 19 | 1.65 | | 50 | 23 | 86 | 21 | 37 | 61 | |
| May | 15 | 1.40 | | 25 | 21 | 91 | 23 | 39 | 65 | |
| June | 13 | 1.55 | | 29 | 21 | 80 | 18 | 32 | 56 | |
| July | 11 | 4.50 | N-D | 37 | 18 | 89 | 21 | 39 | 64 | |
| August | 10 | 2.65 | | 24 | 11 | 84 | 16 | 34 | 59 | |
| September | 15 | 3.85 | | N-D | N-D | 82 | 18 | 46 | 64 | |
| October | 20 | 1.41 | | 26 | N-D | N-D | 25 | N-D | 68 | |
| November | 22 | 1.00 | | N-D | N-D | 88 | 22 | 52 | 70 | |
| December | 24 | .65 | | 53 | 37 | 86 | 20 | 47 | 66 | |
| Year | 19 | 23.41 | | | | 88 | 10 | 43 | 71 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1955

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | 11-13 In. |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|-----------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | |
| January | 25 | 18 | -16 | 2 | 8 | 0 | 19 | 17 | 4 | 5 | 11 | 13 |
| February | 22 | 11 | -25 | -2 | 5 | 0 | 17 | 17 | 4 | 5 | 11 | 12 |
| March | 39 ⁺ | N-D | -17 | N-D | N-D | 0 | 25 | N-D | 8 | N-D | N-D | N-D |
| April | 43 | 32 | -8 | 13 | 22 | 0 | 30 | 28 | 12 | 17 | 23 | 23 |
| May | 46 | 35 | 11 | 22 | 29 | 0 | 33 | 32 | 29 | 31 | 31 | 30 |
| June | 56 | 43 | 18 | 29 | 36 | 9 | 48 | 42 | 31 | 31 | 37 | 34 |
| July | 61 | 55 | 37 | 41 | 48 | 28 x4 | 52 | 52 | 40 | 41 | 46 | 44 |
| August | 58 | 53 | 32 | 41 | 47 | 30 x29 | N-D | N-D | 41 | 44 | N-D | N-D |
| September | 57 | 48 | 24 | 33 | 41 | 17 | 53 | 49 | 34 | 38 | 43 | 43 |
| October | 49 | 34 | 6 | 20 | 27 | N-D | 42 | 39 | 30 | 31 | 35 | 33 |
| November | 35 | 22 | -21 | 10 | 16 | N-D | 30 | 30 | 10 | 17 | 23 | 26 |
| December | 34 | 22 | -3 | 11 | 16 | N-D | 24 | 22 | 13 | 15 | 18 | 20 |
| Year | 61 | 34 | -25 | 20 | 27 | 57 | 52 | 33 | 4 | 25 | 28 | 28 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by Office of the Quartermaster General and the University of Colorado. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 26 | 1.10 | ↑ | N-D | ↑ | 94 | 28 | 59 | 76 | X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 10% & 4% **Maximum 100% Every Month. |
| February | 28 | 1.10 | ↑ | N-D | ↑ | 96 | 24 | 48 | 72 | |
| March | 21 | 2.90 | ↑ | 24 | ↑ | 98 | 19 | 38 | 68 | |
| April | 18 | .85 | ↑ | 65 | ↑ | 93 | 20 | 57 | 75 | |
| May | 16 | 3.75 | ↑ | 54 | ↑ | 95 | 14 | 49 | 72 | |
| June | 15 | 2.40 | ↑ | N-D | ↑ | 91 | 5 | 34 | 62 | |
| July | 10 | 3.80 | N-D | N-D | N-D | 84 | 15 | 40 | 62 | |
| August | 8 | 2.95 | ↑ | ↑ | ↑ | 93 | 22 | 42 | 67 | |
| September | 15 | .40 | ↑ | ↑ | ↑ | 82 | 19 | 34 | 58 | |
| October | 21 | 1.05 | ↑ | ↑ | ↑ | 79 | 11 | 36 | 57 | |
| November | 27 | 2.64 | ↑ | ↑ | ↑ | 97 | 25 | 60 | 78 | |
| December | 27 | 1.30 | ↑ | ↑ | ↑ | 100 | 19 | 59 | 80 | |
| Year | 19 | 24.24 | ↑ | ↑ | ↑ | 92 | 5 | 46 | 69 | |

+ = Data extrapolated from B-1 and C-1
 * = Data extrapolated from C-1

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1956

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | 11-13 In. |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|-----------------|-----|-----------------|--------------------------|-----------|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | | | |
| | | | | | | | Max | Mean Weekly Max | Min | Mean Weekly Min | Mean of Weekly Max & Min | |
| January | 36 | N-D | -5 | N-D | N-D | N-D | 25 | N-D | 11 | N-D | 18 | 19 |
| February | 23 | ↑ | -15 | ↑ | ↑ | ↑ | 18 | ↑ | 10 | ↑ | 14 | 14 |
| March | 38 | ↑ | -16 | ↑ | ↑ | ↑ | 28 | ↑ | 10 | ↑ | 19 | 19 |
| April | 38 | ↑ | -4 | ↑ | ↑ | ↑ | 28 | ↑ | 16 | ↑ | 22 | 23 |
| May | 51 | ↑ | 12 | ↑ | ↑ | ↑ | 43 | ↑ | 24 | ↑ | 33 | 32 |
| June | 60 | ↑ | 30 | ↑ | ↑ | ↑ | 53 | ↑ | 36 | ↑ | 45 | 42 |
| July | 60 | 53 | 31 | 38 | 46 | 29 x4 | 55 | 52 | 42 | 43 | 47 | 47 |
| August | 58 | 50 | 21 | 36 | 43 | 24 x17 | 53 | 50 | 38 | 40 | 42 | 45 |
| September | 59 | 52 | 25 | 34 | 43 | 21 | 50 | 48 | 38 | 39 | 44 | 43 |
| October | 49 | 38 | -3 | 23 | 31 | 2 | 45 | 40 | 31 | 33 | 36 | 37 |
| November | 35 | 18 | -13 | 4 | 11 | 0 | 33 | 29 | 17 | 18 | 23 | 25 |
| December | 40 | 20 | -11 | 6 | 13 | 0 | 26 | 23 | 7 | 10 | 16 | 20 |
| Year | 60 | ↑ | -16 | ↑ | ↑ | 45 | 55 | ↑ | 7 | ↑ | 30 | 30 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U. S. Atomic Energy Commission, U. S. Army Quartermaster Research and Development Command, and University of Colorado. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 29 | 2.20 | ↑ | N-D | N-D | N-D | N-D | N-D | N-D | X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage : 10% & 4% **Maximum 100% Every Month. |
| February | 21 | 2.13 | ↑ | N-D | N-D | ↑ | ↑ | ↑ | ↑ | |
| March | 24 | .65 | ↑ | 24 | 13 | ↑ | ↑ | ↑ | ↑ | |
| April | 18 | 2.30 | ↑ | 49 | N-D | ↑ | ↑ | ↑ | ↑ | |
| May | 15 | 2.80 | ↑ | 31 | 19 | ↑ | ↑ | ↑ | ↑ | |
| June | 11 | .80 | N-D | 20 | 11 | ↑ | ↑ | ↑ | ↑ | |
| July | 9 | 2.40 | ↑ | 19 | 14 | 90 | 24 | 37 | 64 | |
| August | 11 | 3.55 | ↑ | 31 | 19 | 85 | 16 | 37 | 61 | |
| September | 15 | .25 | ↑ | 30 | 15 | 65 | 10 | 26 | 46 | |
| October | 18 | .35 | ↑ | 33 | 26 | 76 | 18 | 34 | 55 | |
| November | 25 | 1.61 | ↑ | 39 | 25 | 90 | 8 | 57 | 74 | |
| December | 24 | 1.45 | ↑ | 45 | 12 | N-D | 10 | N-D | 76 | |
| Year | 18 | 20.49 | ↑ | 31 | 17 | ↑ | ↑ | ↑ | ↑ | |

① Mean of Monthly Max & Min Jan. through June

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1957

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|----|----|-----------|----|----|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| January | 29 | 12 | -12 | 1 | 6 | 0 | 21 | 19 | 10 | 11 | 15 | 16 |
| February | 31 | 19 | -1 | 10 | 15 | 0 | 23 | 20 | 10 | 14 | 17 | 18 |
| March | 31 | 19 | -8 | 6 | 12 | 0 | 25 | 23 | 13 | 15 | 19 | 19 |
| April | 39 | 22 | -4 | 10 | 16 | 0 | 25 | 23 | 18 | 20 | 21 | 22 |
| May | 53 | 35 | 13 | 21 | 28 | 0 | 30 | 29 | 16 | 21 | 25 | 27 |
| June | 59 | 46 | 20 | 32 | 39 | 16 x24 | 44 | 36 | 25 | 29 | 32 | 31 |
| July | 61 | 53 | 34 | 39 | 46 | 31 | 53 | 50 | 34 | 40 | 45 | 40 |
| August | 61 | 53 | 30 | 38 | 45 | 29 x29 | 55 | 53 | 40 | 43 | 48 | 44 |
| September | 56 | 43 | 15 | 28 | 36 | 11 | 47 | 45 | 33 | 35 | 40 | 38 |
| October | 49 | 34 | 12 | 23 | 28 | 2 | 49 | 38 | 29 | 32 | 35 | 35 |
| November | 28 | 14 | -14 | 4 | 9 | 0 | 30 | 25 | 10 | 16 | 20 | 24 |
| December | 29 | 17 | -13 | 4 | 10 | 0 | 22 | 20 | 8 | 12 | 16 | 18 |
| Year | 61 | 31 | -14 | 18 | 24 | 67 # | 55 | 32 | 8 | 24 | 28 | 28 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U.S. Atomic Energy Commission, U.S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage: 10% & 4% **Maximum 100% Every Month. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 23 | 3.85 | ↑ | 44 | 17 | 97 | 11 | 61 | 79 | |
| February | 23 | 2.00 | ↑ | 39 | 13 | 93 | 17 | 51 | 72 | |
| March | 21 | 2.30 | ↑ | 45 | 17 | 96 | 18 | 54 | 75 | |
| April | 19 | 4.80 | ↑ | 36 | N-D | 99 | 24 | 65 | 82 | |
| May | 14 | 5.10 | ↑ | N-D | N-D | 96 | 22 | 56 | 76 | |
| June | 17 | 2.20 | N-D | 29 | N-D | 89 | 18 | 41 | 65 | |
| July | 11 | 1.55 | ↑ | 39 | 19 | 92 | 30 | 50 | 71 | |
| August | 11 | 3.15 | ↑ | 24 | 21 | 96 | 26 | 50 | 73 | |
| September | 14 | .70 | ↑ | 33 | 13 | 83 | 19 | 41 | 62 | |
| October | 14 | 2.20 | ↑ | 48 | 23 | 90 | 28 | 42 | 66 | |
| November | 22 | 1.45 | ↑ | 38 | 36 | 85 | 28 | 62 | 78 | |
| December | 31 | 2.05 | ↑ | 37 | 18 | 87 | 21 | 55 | 71 | |
| Year | 18 | 31.35 | ↑ | | | 92 | 11 | 52 | 73 | |

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ANNUAL SUMMARY OF MOUNTAIN ENVIRONMENT

UNIVERSITY OF COLORADO - INSTITUTE OF ARCTIC AND ALPINE RESEARCH

Station No. D-1 Altitude 12,300 Ft. Site Ridgetop Summary for 1958

| Month | TEMPERATURE, AIR °F | | | | | No Days Min Temp Above 32 °F | TEMPERATURE SOIL °F, | | | | | |
|-----------|---------------------|----------------|-----|----------------|-------------------------|------------------------------|----------------------|----|----|-----------|----|----|
| | Max | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | | 5 - 7 In. | | | 11-13 In. | | |
| January | 29 | 15 | -13 | 3 | 9 | 0 | 20 | 17 | 6 | 9 | 13 | 15 |
| February | 34 | 16 | -6 | 17 | 12 | 0 | 26 | 20 | 9 | 11 | 15 | 16 |
| March | 26 | 15 | -7 | 3 | 9 | 0 | 20 | 18 | 11 | 14 | 16 | 16 |
| April | 41 | 23 | -4 | 10 | 16 | 0 | 28 | 25 | 15 | 20 | 22 | 22 |
| May | 53 | 41 | 18 | 28 | 34 | 7 | 43 | 35 | 23 | 30 | 33 | 30 |
| June | 57 | 50 | 25 | 35 | 42 | 25 | 51 | 48 | 33 | 37 | 42 | 41 |
| July | 60 | 52 | 29 | 38 | 45 | 26 x28 | 53 | 52 | 39 | 41 | 47 | 44 |
| August | 63 | 55 | 32 | 41 | 48 | 30 x23 | 56 | 54 | 40 | 42 | 48 | 47 |
| September | 59 | 48 | 18 | 32 | 40 | 17 | 51 | 47 | 36 | 38 | 43 | 43 |
| October | 51 | 38 | 5 | 24 | 31 | 8 | 41 | 38 | 31 | 33 | 36 | 36 |
| November | 37 | 26 | -10 | 13 | 20 | 0 | 32 | 29 | 19 | 22 | 25 | 28 |
| December | 30 | 18 | -4 | 9 | 13 | 0 | 25 | 23 | 16 | 18 | 21 | 22 |
| Year | 63 | 33 | -13 | 21 | 27 | 26 # | 56 | 34 | 6 | 26 | 30 | 30 |

| Month | WIND Average Vel mph | PRECIP Inches Water | SNOW Max Depth | SOIL MOIST % DRY WT.* | | RELATIVE HUMIDITY** | | | | Front Range Ecology Project Supported by U.S. Atomic Energy Commission, U.S. Army Quartermaster Research and Development Command, and University of Colorado. X Dates for Beginning and Ending of Longest Period of Consecutive Days Without Freezing Temperature During the Year. #Duration of Longest Freeze-free Period. *Permanent Wilting Percentage: 10% & 4% **Maximum 100% Every Month. |
|-----------|----------------------|---------------------|----------------|-----------------------|-----------|---------------------|-----|----------------|-------------------------|---|
| | | | | 5-7 In. | 11-13 In. | Mean Daily Max | Min | Mean Daily Min | Mean of Daily Max & Min | |
| January | 20 | 1.50 | ↑ | 29 | N-D | 79 | 17 | 46 | 63 | |
| February | 26 | 1.95 | ↑ | 42 | 27 | 88 | 19 | 67 | 78 | |
| March | 16 | 2.50 | ↑ | 40 | 26 | 98 | 25 | 75 | 87 | |
| April | 17 | 2.75 | ↑ | 42 | 26 | 95 | 23 | 57 | 76 | |
| May | 12 | 2.10 | ↑ | 59 | 22 | 92 | 23 | 47 | 70 | |
| June | 13 | 1.60 | N-D | 34 | 15 | 83 | 18 | 34 | 59 | |
| July | 13 | 2.00 | ↑ | 22 | 16 | 91 | 16 | 38 | 65 | |
| August | 11 | 1.95 | ↑ | 13 | 11 | 89 | 22 | 43 | 66 | |
| September | 15 | .75 | ↑ | 13 | 12 | 87 | 14 | 37 | 62 | |
| October | 15 | .85 | ↑ | 24 | 12 | 73 | 9 | 40 | 56 | |
| November | 27 | 2.05 | ↑ | 18 | 9 | 89 | 15 | 53 | 71 | |
| December | 26 | 3.90 | ↑ | 29 | N-D | 86 | 20 | 63 | 80 | |
| Year | 18 | 23.90 | ↑ | | | 88 | 9 | 50 | 69 | |

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LITERATURE CITED

- MARR, JOHN W. 1956. Vegetation and environment on the east slope of the Front Range in Colorado, Part III. Detailed Section. Report on a mountain ecology project conducted under a contract with the Quartermaster Research and Development Command, U.S. Army, Natick, Mass. Mimeographed.
- 1961. Ecosystems of the east slope of the Front Range in Colorado. Univ. of Colo. Studies, Series in Biology No. 8.
- 1962. Environment factors of four climax regions of the Front Range, Colorado. Manuscript.
- 1967. Data on Mountain Environments I, Front Range, Colorado, Sixteen Sites, 1952-1953. In press.
- MARR, JOHN W., OWEN A. KNORR, and ELEANOR G. VIEROCK. 1956. Vegetation and environment on the east slope of the Front Range in Colorado, Part V. Climatic Atlas. Report to the Quartermaster Research and Development Command, U.S. Army, Natick, Mass. Mimeographed.
- OSBURN, WILLIAM S. 1961. The dynamics of fallout distribution in a Colorado alpine tundra snow accumulation ecosystem. In V. Schultz and A. W. Klement, Jr. (Ed.), Radioecology.
- PADDOCK, MARKLEY W. 1961. Food habits of the pika, *Ochotona princeps saxatilis* Bangs. Master's thesis, Univ. of Colo. Unpubl.
- WILLARD, BEATRICE E. 1963. Phytosociology of the alpine tundra of Trail Ridge, Rocky Mountain National Park, Colorado. Ph.D. thesis, Univ. of Colo. Unpubl.

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