

South Cascade Glacier, Washington: Hydrologic and Meteorological Data, 1957-67

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ABSTRACT

Historic hydrologic and meteorological data are compiled for South Cascade Glacier, Washington, USA, a site selected by the U.S. Geological Survey for long-term study of the response of a glacier to climate change and its effect on water resources. The data consist of stream discharge and meteorological data, including precipitation, air temperature, and instantaneous weather observations, all at various locations in the glacier basin. Data span the years 1957-67 and are presented in tables, with annual time-series graphs shown for most data.

INTRODUCTION

This report contains historic meteorological and hydrologic data collected on South Cascade Glacier in Washington State, USA. Following initiation of a glaciological research program within the U.S. Geological Survey (USGS) in the mid-1950's, South Cascade Glacier was selected as a long-term site for examining the response of a glacier to climate change and its resulting effect on water resources (Meier and Simons, 1957, Fountain, 1982). A long-term meteorological and hydrologic record for this site extends from 1957 to the present. This report covers the first eleven years, 1957 - 67, of basic data for the field study. During the period of observation included in this report, the glacier receded.

The glacier is in the North Cascades range of Washington State, at $121^{\circ} 03'$ west longitude and $48^{\circ} 22'$ north latitude with an equilibrium-line altitude of 1,900 m. The South Cascade Glacier basin drainage area covers 6.11 km^2 (Tangborn and others, 1977, p.B4). Some representative glacier areas are 2.75 km^2 for 1957, 2.66 km^2 for 1961 (Meier and Tangborn, 1965), and 2.80 km^2 for 1967 (Tangborn and others, 1977).¹

A building (referred to herein as Hut) and out-building are located on a ridge west of the glacier. A gaging station (referred to herein as Gaging Station) is located at the outlet of South Cascade Lake into the South Fork Cascade River. This gage measures the runoff from South Cascade Glacier. Located nearby on Salix Creek is another

¹ For 1957 and 1961, published glacier areas did not include a portion of the head of the glacier called the "West Tributary" (fig.1), and 0.3 km^2 is added to published values to normalize areas to 1967 data (R.M. Krimmel, oral commun.,1992).

gaging station (referred to herein as Salix) which drains an unglacierized basin. All pertinent data collection sites are shown in figure 1.

The primary data collection sites are the Gaging Station and the Hut. Additionally, other locations which have served as collection sites are Salix Creek, Sentinel Peak and HochJoch along the margins of the basin, P-1 in the center of the glacier, and TP-7 near the head of the glacier. Figures 2 and 3 show photographs of the glacier from September 27, 1960 and September 20, 1966, respectively, and table 1 lists all reference stations with their location coordinates (Meier and others, 1971).

The basic data consist of daily mean stream discharge, and meteorological data which include daily precipitation, daily air temperature records, and instantaneous weather observations. The Gaging Station site was used to measure discharge, temperature and precipitation. Temperature and weather observations were made at the Hut. Discharge was also measured at Salix Creek, temperature at Sentinel Peak and HochJoch, and a one-season temperature record was obtained at TP-7 and P-1 on the glacier.

The data set is available on floppy diskette (DOS ASCII-format PC files) from the USGS, WRD, National Research Program, Denver, Colorado, and from the World Data Center-A for Glaciology in Boulder, Colorado. This includes tables 2-10 of this publication. All data files are in the same format as shown in the tables of this publication.

The DATA DESCRIPTION section of this report describes the data contained herein. The RECORDERS section describes, generally, the recorders used to gather the data. Subsequently, the TABLES AND GRAPHS section includes data tables and time-series graphs grouped by calendar year. Two data-gap indicators are used to facilitate the useability of disk files containing both numeric and character data.

DATA DESCRIPTION

All data are listed by month and day. Additionally, temperature data lists Julian Day. On the time-series graphs, time is referred to in Julian Days. For all tables, data gaps for numerical values have been filled in with "9999", or omitted for long periods of missing record. Qualitative observation gaps (for example, meteorological observation:

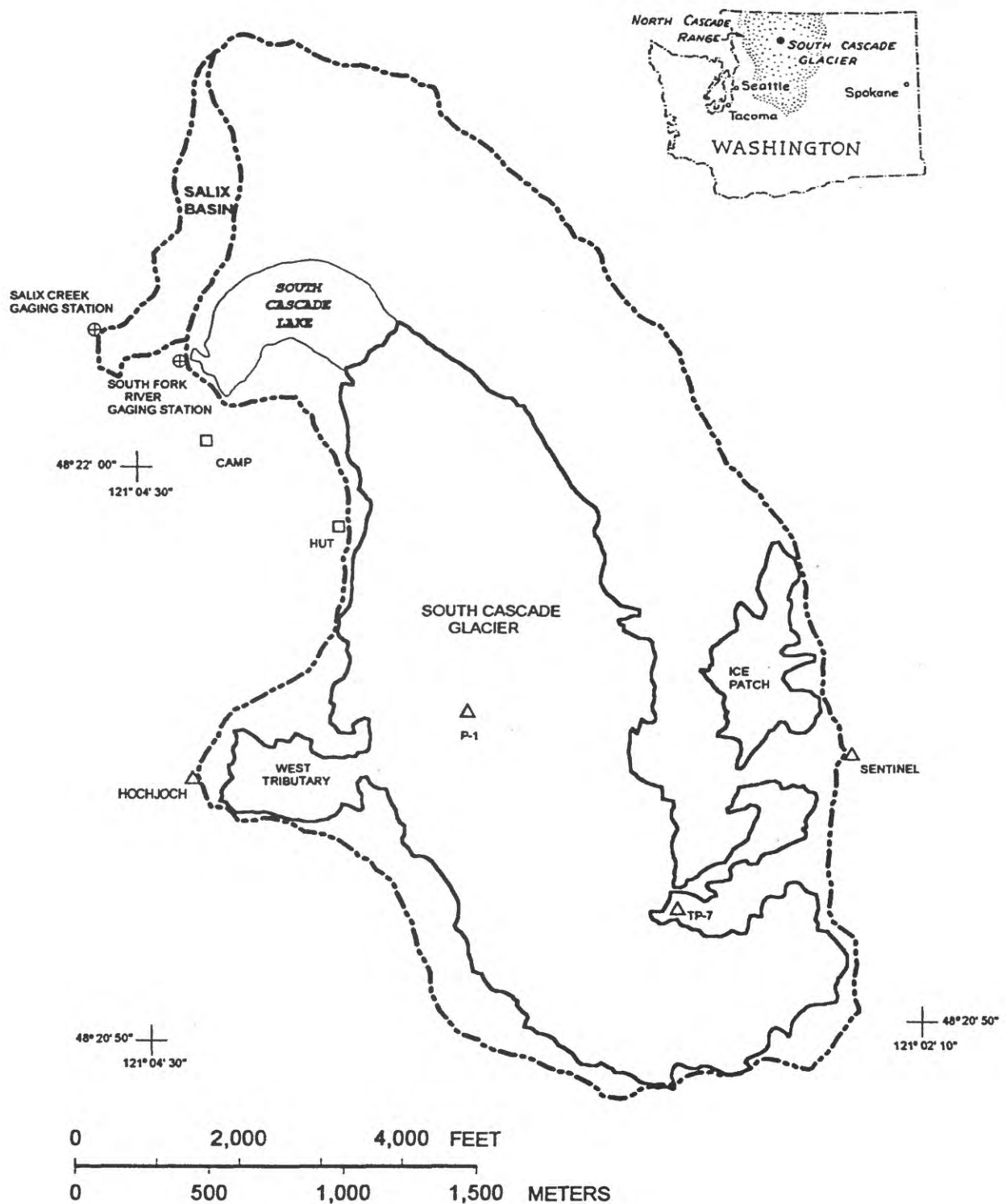


Figure 1. Location map of South Cascade Glacier showing the 1961 glacier basin, Salix Creek Basin, and locations of data-collection sites. Shown are Salix Creek gaging station, South Fork Cascade River gaging station, Sentinel Peak, Hochjoch, the hut, P-1, and TP-7.



Figure 2. Photograph of South Cascade Glacier, September 27, 1960
(Photo by Austin Post. USGS photo number FR6025.).



Figure 3. Photograph of South Cascade Glacier, September 20, 1966
(Photo by Austin Post. USGS photo number 6613-94.).

cloud cover and wind direction) are denoted with the asterisk. Data tables are grouped with time-series graphs by calendar year.

Discharge

Daily mean discharge records are obtained from two sites: one at the South Fork Cascade River Gaging Station (notated as "Gaging Station" in data tables) and one on Salix Creek (fig.1). Measurements were collected as water stage then converted to discharge values using standard USGS methodology (Rantz, 1982). Tangborn (1963) describes the instrument setup and measurement methodology for both gage sites.

The South Fork Cascade River is gaged at the outlet of South Cascade Lake; the altitude of the gage is 1,612 m, and the area of the drainage basin is 6.11 km². Prior to 1962 the gaging site was a small building over a cedar-plank well and above a natural boulder/small rock dam at the outlet of the lake (some rocks having been added to this natural control in 1960). In Summer 1962 an enclosed, concrete, 90°, V-notched weir was built, then rebuilt in Summer 1963 after being taken out by icebergs shortly after construction. Problems occurred with the weir in summer of '63 with leakage, high water conditions, and large icebergs, and concrete walls were installed to replace wooden crib-walls. During the Summer of 1964 an iceberg catcher (log barricade) was installed about 150 ft. upstream and was replaced by a cable barricade by 1967. Leakage was a problem until 1965 and ice periodically created problems with measurements until 1966. The stream was gaged below the weir. A Stevens type A35F recorder was used in 1957, and a Stevens A35 used thereafter. Eight rating tables are applicable to the 1957-67 set of data from South Fork Cascade River gaging Station.

Salix Creek is gaged 274 m west of the South Fork Cascade River gage; the altitude of the gage is 1585 m, and the area of the drainage basin is 0.20 km². A hutch-type shelter located above a natural bedrock, gravel and boulder control housed the Stevens A35 recorder from July 1961 until August of 1963 when a new gaging shelter and a 90°, V-notched, covered weir were built. Four rating curves were applied during this 1961-67 period of record.

Discharge, originally calculated in ft³/s, is converted to m³/s and is considered accurate

to 10 percent. Stage record is accurate to 0.01 ft. Data are listed to 2 significant figures. The long-term published record for discharge for these two stations is published by water year from the USGS data base (USGS, 1961-67): Salix Creek is station number 12181200, and South Fork Cascade River is station number 12181100. Additional information is filed in conjunction with the discharge record of the USGS Washington State Field Office, Tacoma, Washington including rating curves and field notes pertaining to development of each gaging site. Data for South Fork Cascade River date back to July 1957, are seasonal through mid-1961, and show a continuous record after mid-1961. Shorter length records from 1957, 1958 and 1959 are combined in one table (Table 2.1).

Instantaneous Meteorology Observations

Instantaneous meteorology observation data are so named to differentiate these data from continuous precipitation and temperature data, also classified as meteorological data. These data include instantaneous observations of temperature, psychrometer wet and dry bulb readings with percent humidity, wind direction, and estimated cloud cover. Additionally this category includes minimum and maximum temperature, wind run and wind speed since last observation (SLO). Data were collected once or twice each day during times when summer field crews were at South Cascade Glacier. Data from 1960 forward were collected at the Hut. Prior to 1960, observations were made at a temporary camp near the Gaging Station (fig.1). Field notes do not indicate the instruments used to collect these data nor the accuracy.

Temperature was recorded to a whole °F and is converted here to a whole °C. Psychrometer wet and dry bulb readings were also recorded to either a whole degree or to a tenth of a degree in °F and converted to a tenth of a °C.

Anemometer wind run SLO is given when available, and average wind speed for the preceding time-period is calculated from that value. Wind run measurements were recorded to the nearest tenth of a mile, and are converted to kilometers/hour. Wind direction shows '****' when no observation was recorded, and standard abbreviations for direction, with 'C' standing for calm.

Cloud cover is indicated using a range from 0 to 10. Zero indicates a clear sky, and 10 indicates a completely overcast sky, with the numbers in-between indicating

corresponding fractions of cloud cover. An "*" indicates no observation.

Precipitation

Precipitation was collected and daily levels were recorded at the Gaging Station and at the Hut (fig.1). All precipitation data were originally measured in inches and converted to millimeters, and are presented as daily totals.

Precipitation data from the Gaging Station were collected in a raingage developed and set up by USGS glaciology project personnel in August 1962. It consisted of an aluminum stovepipe mounted on an oval tank containing antifreeze liquid. Compressed nitrogen was bubbled into the system mixing antifreeze with collected precipitation to prevent freezing, and a wind shield was installed on the gage to minimize wind effects. Values were recorded using a Stevens A35 recorder. Tangborn (1963) describes the system and probable error. Actual error is probably larger than estimated (R.M. Krimmel, oral commun.; Ostrem and Brugman, 1991) given the difficulty of catching precipitation, especially as snow, in an open, windy terrain (W.V. Tangborn, oral commun.). Records are fairly continuous from late 1962 through 1967 with only two notable data gaps of more than 30 days occurring in April-May 1964 and September-October 1967.

Precipitation at the Hut was recorded using a Belfort raingage. These data were collected in summer months only. As with the Gaging Station precipitation above, probably error may be larger than usual due to wind effects, although the seasonal time frame of the data limits the effects of more harsh winter conditions. On the basis of this seasonality, the Hut precipitation data may be of overall superior quality than the Gaging Station precipitation data (W.V. Tangborn, oral commun.).

Temperature

Daily air temperature measurements at the Gaging Station and at the Hut began in the Summer of 1960. In this year various instruments were used in the setup of the two data collection sites. Noted instrument names are: Taylor min/max, Autolite, Casella, and Instrument Corp. No descriptive details are available for these instruments. After 1960 the Stevens A35 recorder was put into use at the Gaging Station and the Weksler Circular Chart recorder at the Hut. For these two data sets, all figures were taken in

°F and converted to °C. In October of 1965, two additional temperature measurement points were established using the Rauchfuss recorder and collecting data in °C. These were at HochJoch and Sentinel Peak, both on the periphery of the glacier at the watershed divide of the basin (fig.1). At the same time a Rauchfuss was put into use at the Hut so that parallel data sets exist at the Hut using two types of recorders: Rauchfuss and Weksler.

Short-term data exist for two locations on the glacier, TP-7 and P-1, for the 1961 summer season only. Circular chart recorders were used at both locations. One recorder was a Weksler, the second model is unknown (W.V. Tangborn, oral commun.).

Daily minimum and maximum values were discerned visually from the continuous curves on the recorder charts. The daily mean value is estimated whereby half of the area under the temperature curve is above and half is below the mean. Fahrenheit values were recorded in whole numbers and are converted to °C. Celsius values were recorded to the tenth of a degree. All table values are to a whole °C.

RECORDERS

The following are descriptions of recorders used to collect data at South Cascade Glacier. Instruments specific to one kind of data collection and which connect to recorders are described within data sections.

The Stevens A35 recorder is a continuous, analog, strip-chart recorder manufactured by Leupold and Stevens. Its primary design was as a water-stage recorder. It also had capability of simultaneously recording precipitation (using the tilting bucket rain gage) and/or air temperature on the same chart. The recorder was run continuously for 6 months. Accuracy of stage measurement is to 0.01 ft. and temperature to 1°F. The Stevens type A35F recorder is similar to the A35, but has the capability of directly converting water stage values to discharge when used at a weir or at a rated gaging station (Stevens A35 instrument pamphlet). The A35F recorder was used for discharge data in Summer 1957 (R.M. Krimmel, oral commun.). Discharge after 1957, precipitation, and temperature at the Gaging Station were collected using the Stevens A35 recorder.

The Weksler is a continuous, analog, circular-chart temperature recorder. It is

mechanically wound and runs for as long as 51 days, although charts are for 31-day periods. The probe was located on an edge of the Hut roof in a sun-protected, ventilated box approximately 25 cm above the roof. Calibration was performed occasionally using ice-bath immersion, and accuracy is to $\pm 0.5^{\circ}\text{F}$ (W.V. Tangborn, oral commun.). Hut air temperature data were recorded using this type of recorder.

The Belfort "weighing bucket" analog raingage consists of a rain bucket with an 8-inch orifice and spring balance, and a recorder. It was set to collect and measure for 1 week, and was placed approximately 1 m above the ground south of the Hut. As little as 0.01 inch of precipitation could be detected. The instrument was factory calibrated, and was used to collect data at the Hut

The Rauchfuss is an analog temperature recorder built to run for up to 1 year. The recorder is factory calibrated and was not field checked, has a gas-filled sensor, and records a temperature measurement every 6 minutes by striking a pressure sensitive paper. All measurements are in $^{\circ}\text{C}$, and accuracy is to $\pm 2^{\circ}\text{C}$. This instrument was used to collect temperature data at the Hut, Sentinel, and HochJoch.

ACKNOWLEDGMENTS

All data contained in this report were collected by members of the U.S. Geological Survey, Water Resources Division, Project Office Glaciology in the start-up years of the South Cascade Glacier Project. The completion of this report is owed to the advocacy of A.G. Fountain, to the thought-provoking advice and guidance given by L.A. Rasmussen, and to the practical field knowledge pieced together by R.M. Krimmel and W.V. Tangborn.

TABLES AND GRAPHS

TABLE 1: South Cascade Glacier data collection locations. "Data type" indicates the type of data collected at each location: T=temperature, M=instantaneous meteorological observations, D=discharge, P=precipitation. See Figure 1 for map of locations.

STATION	Data Type	North Latitude	West Longitude	Altitude (m)
Gaging Station	T,P,D	48 22 14	121 04 20	1612
HochJoch	T	48 21 22	121 04 21	2256
Hut	T,M,P	48 21 52	121 03 53	1842
P-1 (area)	T	48 22 12	121 04 20	1870
Salix Creek	D	48 22 15	121 04 35	1585
Sentinel	T	48 21 23	121 02 23	2518
TP-7 (area)	T	48 21 03	121 02 44	2151

TABLE 2.1: 1957-59 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	1957			1958					1959					
	JUL	AUG	SEP	JUL	AUG	SEP	OCT	NOV	JUL	AUG	SEP	OCT	NOV	DEC
1	1.6	1.4	1.0	1.8	2.8	3.1	0.74	0.31	2.3	2.9	1.1	0.54	0.54	0.28
2	1.6	1.3	1.2	1.8	2.6	1.3	0.85	0.28	2.6	2.7	1.2	0.59	0.45	0.31
3	1.5	1.5	1.3	2.0	2.5	1.0	0.85	0.28	2.3	2.3	1.6	0.62	0.51	0.31
4	1.6	1.7	1.5	2.1	2.2	0.85	0.82	0.27	1.8	2.4	2.0	0.59	0.40	0.25
5	2.0	1.7	1.5	2.5	2.3	1.0	0.79	0.25	2.1	2.5	3.1	0.51	0.34	0.24
6	2.5	1.8	2.4	3.1	2.5	1.4	0.74	1.1	1.7	2.3	3.8	0.42	0.31	0.24
7	2.0	1.9	2.6	2.8	3.0	1.7	0.68	0.68	1.4	2.4	2.8	0.37	0.28	0.24
8	1.6	2.4	2.3	3.0	2.6	2.0	0.62	0.54	1.3	2.4	2.4	0.51	0.27	0.24
9	1.8	2.2	1.8	2.8	2.5	2.2	0.54	0.42	1.9	2.3	1.6	0.59	0.25	0.24
10	2.0	1.9	1.6	2.6	2.5	2.5	2.0	0.34	2.6	2.0	1.4	0.42	0.23	0.24
11	2.6	1.5	1.6	2.9	2.7	2.5	1.9	0.31	2.9	2.0	1.6	1.8	0.24	0.27
12	2.2	1.5	1.6	3.0	2.7	1.7	3.1	0.34	3.1	2.1	1.9	1.8	0.24	0.27
13	2.2	1.5	1.6	2.7	2.6	1.6	2.9	0.27	3.1	1.9	2.5	0.96	0.20	0.27
14	2.2	1.5	1.6	2.5	2.5	1.8	1.9	0.23	2.9	1.9	2.4	1.8	0.19	0.28
15	3.0	1.5	1.7	2.5	2.6	1.6	1.5	0.19	2.7	2.0	2.0	1.9	0.18	0.34
16	2.3	1.5	1.5	2.6	2.5	2.0	1.0	0.18	2.8	2.4	1.4	1.1	0.18	0.34
17	1.9	1.5	1.5	2.7	2.3	2.2	1.0	0.18	3.3	2.2	1.1	0.79	0.21	0.31
18	1.6	1.6	1.3	2.9	2.5	2.0	1.5	0.22	3.8	1.8	1.2	0.74	0.28	0.28
19	1.7	1.4	1.1	2.9	2.5	2.9	1.0	0.23	4.0	1.5	1.6	0.71	0.27	0.25
20	1.8	1.5	0.93	2.8	2.8	1.4	0.71	0.88	4.2	1.6	1.6	0.62	0.34	0.23
21	1.9	1.5	0.91	2.8	2.9	1.2	0.59	0.85	4.0	1.6	1.3	0.57	0.28	0.23
22	2.1	1.4	1.1	3.0	2.9	0.85	0.51	0.54	3.7	1.9	1.4	1.7	0.54	0.20
23	2.2	1.4	1.1	3.0	3.0	0.65	0.45	0.40	3.5	2.0	1.2	2.0	1.7	0.20
24	2.1	1.4	1.1	2.8	3.1	0.57	0.37	0.34	3.6	1.9	1.7	1.9	2.2	0.17
25	2.2	1.2	1.2	2.7	2.8	1.2	0.31	0.31	3.5	1.7	2.6	2.4	1.0	0.14
26	1.9	1.1	1.3	3.0	2.7	0.85	0.31	0.31	3.1	2.0	1.7	1.4	0.62	0.14
27	1.7	0.91	1.4	3.3	2.3	0.93	0.31	0.31	2.6	3.2	1.2	0.99	0.51	0.11
28	1.8	0.85	1.3	3.5	1.7	1.0	0.28	0.31	1.9	2.3	0.85	0.76	0.45	0.085
29	1.8	0.85	1.2	3.3	2.0	0.93	0.27	0.28	1.8	1.7	0.71	0.59	0.40	0.057
30	1.8	0.85	1.2	3.2	1.6	0.74	0.27	0.28	2.2	1.3	0.62	0.51	0.31	0.057
31	1.6	0.91		3.0	1.6		0.28		2.9	1.2		0.54		0.028
TOTAL	61	45	43	86	78	46	29	12	86	65	51	31	14	6.9
MEAN	2.0	1.5	1.4	2.8	2.5	1.5	0.94	0.39	2.8	2.1	1.7	0.99	0.47	0.22
MAX	3.0	2.4	2.6	3.5	3.1	3.1	3.1	1.1	4.2	3.2	3.8	2.4	2.2	0.37
MIN	1.5	0.85	0.91	1.8	1.6	0.57	0.27	0.18	1.3	1.2	0.62	0.37	0.18	0.028

TABLE 2.2: 1957 Instantaneous Meteorological Observations recorded near the GAGING STATION. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" indicates missing data.

DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER		
		MAX	MIN	CURR				DIR	SPEED			
		SLO	SLO		WET	DRY	%HUM				(KM)	(KM/HR)
JUL	4	1400	9999	9999	13	9999	9999	9999	NE	9999	9999	0
		2000	14	7	7	9999	9999	9999	NE	9999	9999	0
	5	800	9	6	8	9999	9999	9999	NE	9999	9999	0
		2000	18	8	9	9999	9999	9999	NW	9999	9999	10
	6	1100	9	2	4	9999	9999	9999	N	9999	9999	10
		2030	9	2	2	9999	9999	9999	SW	9999	9999	9
	7	800	4	1	4	9999	9999	9999	E	9999	9999	4
		1930	13	5	8	9999	9999	9999	C	9999	9999	2
	8	800	8	4	8	9999	9999	9999	C	9999	9999	7
		1930	11	6	9	9999	9999	9999	N	9999	9999	10
	9	900	9	4	8	9999	9999	9999	NW	9999	9999	9
		2015	12	4	5	9999	9999	9999	NE	9999	9999	1
	10	830	9999	4	8	9999	9999	9999	NE	9999	9999	8
		2000	9999	9999	9999	9999	9999	9999	NE	9999	9999	10
	11	800	7	6	7	9999	9999	9999	NW	9999	9999	10
		1930	7	5	7	9999	9999	9999	E	9999	9999	10
	12	830	11	4	11	9999	9999	9999	NE	9999	9999	0
		1930	13	8	9	9999	9999	9999	NE	9999	9999	3
	13	800	11	6	8	9999	9999	9999	NE	9999	9999	10
		2000	14	6	7	9999	9999	9999	E	9999	9999	10
	14	900	10	4	8	9999	9999	9999	E	9999	9999	10
		2000	9	6	7	9999	9999	9999	N	9999	9999	10
	15	900	7	6	6	9999	9999	9999	N	9999	9999	9
		2000	8	5	5	9999	9999	9999	N	9999	9999	10
	16	900	5	2	3	9999	9999	9999	NW	9999	9999	10
		1930	4	3	3	9999	9999	9999	C	9999	9999	10
	17	930	5	2	4	9999	9999	9999	NW	9999	9999	10
		1900	7	4	6	9999	9999	9999	E	9999	9999	10
	18	700	9	4	9	9999	9999	9999	SE	9999	9999	0
		2000	12	9999	9999	9999	9999	9999	E	9999	9999	8
	19	700	8	6	8	9999	9999	9999	NE	9999	9999	0
		2030	19	6	9	9999	9999	9999	NE	9999	9999	0
	20	810	10	6	10	9999	9999	9999	NE	9999	9999	1
		2030	16	7	9	9999	9999	9999	NE	9999	9999	1
	21	810	9	5	8	9999	9999	9999	NE	9999	9999	1
		1930	18	7	8	9999	9999	9999	NE	9999	9999	1
	22	800	9	5	9	9999	9999	9999	NE	9999	9999	1
		1830	18	8	12	9999	9999	9999	W	9999	9999	9
	23	800	12	6	6	9999	9999	9999	NW	9999	9999	10
		2130	11	6	6	9999	9999	9999	C	9999	9999	2.5
	24	850	9	3	8	9999	9999	9999	NW	9999	9999	0
		1650	16	8	16	9999	9999	9999	SW	9999	9999	0
AUG	24	2000	21	2	4	9999	9999	9999	C	9999	9999	10
	25	1300	9999	1	9	9999	9999	9999	NW	9999	9999	9

TABLE 2.3: 1958 Instantaneous Meteorological Observations recorded near the GAGING STATION. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND			CLOUD COVER	
		MAX	MIN	CURR	WET	DRY	%HUM	DIR	RUN (KM)	SPEED (KM/HR)		
		SLO	SLO									
JUL	10	1725	9999	9999	9999	8.9	12.8	69	***	9999	9999	4
	11	730	9999	9999	9999	5.0	11.1	35	***	9999	9999	0
		1900	9999	9999	9999	12.8	16.7	64	W	9999	9999	*
	12	700	19	5	8	7.2	8.3	86	***	9999	9999	9
		1905	15	7	10	5.0	9.4	48	W	9999	9999	9
	13	735	10	4	5	4.4	5.0	92	E	9999	9999	10
		1900	14	4	10	6.1	9.4	61	NE	9999	9999	6
	14	705	11	6	11	6.1	10.6	50	E	9999	9999	0
		1920	19	10	12	8.3	13.9	45	NE	9999	9999	0
	15	730	16	7	10	6.7	10.6	56	NE	9999	9999	0
		1900	21	9	16	8.9	14.4	46	NE	9999	9999	0
	16	700	16	7	11	6.1	10.0	55	NE	9999	9999	0
		1912	24	10	18	10.0	15.6	48	NE	9999	9999	0
	17	720	17	8	13	7.8	13.3	44	NE	9999	9999	1
		1905	22	10	14	8.9	12.8	59	NE	9999	9999	7
	18	705	10	8	15	7.8	11.1	63	NE	9999	9999	1
		1907	18	9	14	9.4	11.7	81	NE	9999	9999	8
	19	730	6	13	10	6.7	10.6	56	NE	9999	9999	0
		1945	20	9	11	6.7	8.3	79	NE	9999	9999	3
	20	915	11	4	11	7.8	11.1	55	NE	9999	9999	1
		1900	19	10	16	12.2	15.6	68	E	9999	9999	5
	21	720	17	14	11	6.7	10.6	56	NE	9999	9999	0
		1900	22	9	18	13.9	18.3	66	E	9999	9999	6
	22	715	18	6	9	7.2	8.9	79	NE	9999	9999	7
		1920	19	8	16	11.1	15.0	62	E	9999	9999	4
	23	655	16	7	13	5.6	12.8	59	SE	9999	9999	0
		1850	21	11	14	7.2	14.4	32	NE	9999	9999	0
	24	725	18	8	12	6.7	11.1	51	NE	9999	9999	0
		1900	23	10	19	10.0	18.3	31	W	9999	9999	4
	25	740	19	7	10	6.7	10.0	61	NE	9999	9999	7
		1850	20	9	17	12.2	16.7	59	W	9999	9999	2
	26	715	17	7	16	10.6	16.7	45	E	9999	9999	0
		1845	18	6	13	8.3	12.2	59	NE	9999	9999	0
	27	720	19	9	18	10.6	17.8	65	SE	9999	9999	0
		1950	22	7	14	9.4	13.9	56	NE	9999	9999	0
	28	730	15	10	14	10.0	15.6	48	NE	9999	9999	7
		1900	26	12	14	9.4	14.4	51	NE	9999	9999	6
	29	700	16	8	12	8.9	12.8	59	NE	9999	9999	4
		1900	21	15	16	12.2	15.6	68	SW	9999	9999	9
	30	720	21	5	8	6.1	7.8	79	NE	9999	9999	4
		1850	18	13	14	8.3	12.8	54	W	9999	9999	0
	31	750	15	3	8	6.7	8.9	43	NE	9999	9999	0
		1905	21	7	16	9.4	16.1	40	NW	9999	9999	0
AUG	1	710	17	6	10	4.4	10.0	38	NE	9999	9999	0
		1920	20	7	12	6.7	11.7	48	NE	9999	9999	0
	2	740	13	7	12	6.1	11.7	41	NE	9999	9999	0
1900		21	9	18	10.0	17.2	39	NW	9999	9999	0	
3	735	19	5	9	5.0	5.6	92	NW	9999	9999	8	
	1920	9	4	5	5.0	5.6	92	W	9999	9999	10	
SEPT	9	2050	25	0	7	9999	9999	9999	N	9999	9999	10
	10	815	13	6	13	9999	9999	9999	NE	9999	9999	1
		1800	17	8	8	9999	9999	100	SW	9999	9999	10
	11	910	8	4	8	9999	9999	9999	C	9999	9999	10
1800		9999	9999	9999	9999	9999	9999	W	9999	9999	10	

TABLE 2.4: 1959 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and **s indicate missing data.

DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER		
		MAX	MIN	CURR	WET	DRY	%HUM	DIR	SPEED			
		SLO	SLO								RUN (KM)	(KM/HR)
JUL	18	1900	9999	9999	19	11.7	18.3	44	W	9999	9999	0
	19	815	9999	14	18	9.4	15.6	43	SW	9999	9999	0
		1900	21	9999	18	12.2	17.8	51	W	9999	9999	0
	20	700	18	13	16	10.6	16.1	49	C	9999	9999	0
	21	700	19	12	15	9.4	14.4	51	SSE	9999	9999	0
		1920	21	12	18	12.2	17.8	51	SW	9999	9999	0
	22	715	18	13	18	7.2	17.2	17	NW	9999	9999	0
		1200	9999	9999	21	8.9	19.4	9999	***	9999	9999	*
		1930	22	15	19	12.2	18.3	48	C	9999	9999	0
	23	710	24	11	20	9.4	20.0	22	SSE	9999	9999	8
		1900	22	8	13	10.0	13.3	65	SW	9999	9999	2
	24	800	16	8	12	9.4	11.7	75	SW	9999	9999	9
		1900	16	9	10	9.4	10.3	94	SW	9999	9999	10
	25	715	14	7	14	6.1	13.9	26	SE	9999	9999	0
		1900	17	12	14	10.0	13.9	61	S	9999	9999	0
	26	700	14	6	9	6.7	9.4	67	E	9999	9999	0
		1900	13	8	9	6.1	10.0	60	NW	9999	9999	4
	27	700	9	2	4	2.5	3.9	79	SW	9999	9999	4
		1900	4	-1	0	0.0	0.6	89	W	9999	9999	10
	28	700	1	-1	1	0.0	1.7	69	W	9999	9999	10
	29	700	9	-1	8	3.9	8.3	46	E	9999	9999	0
		1900	16	6	14	8.3	15.0	38	NW	9999	9999	0
	30	700	14	9	11	6.7	11.1	51	E	9999	9999	0
		1900	18	9	18	9.4	18.3	27	S	9999	9999	0
	31	700	17	18	13	8.9	17.2	29	SW	9999	9999	0
		1900	24	15	21	11.1	20.6	28	NW	9999	9999	0
AUG	1	700	21	15	14	8.9	14.4	46	***	9999	9999	0
		1900	17	12	12	6.7	12.8	38	NW	9999	9999	0
	2	700	13	4	8	7.2	12.2	48	C	9999	9999	0
		1900	13	9	7	3.3	7.2	51	W	9999	9999	0
	3	730	8	3	5	7.2	11.1	57	C	9999	9999	10
		1900	9	4	8	6.7	8.3	79	W	9999	9999	10
	4	700	8	4	5	5.6	6.1	92	W	9999	9999	10
		1900	6	4	4	5.0	5.0	9999	NW	9999	9999	10
	5	700	9999	1	4	4.4	7.2	64	***	9999	9999	0
		1915	12	3	9	7.2	10.0	67	***	9999	9999	1
	6	700	13	7	11	2.8	12.2	8	S	9999	9999	0
		1930	17	10	12	9999	9999	9999	NW	9999	9999	2
	7	700	12	9	11	6.1	11.7	41	SW	9999	9999	0
		1900	25	13	14	8.3	13.9	45	W	156.1	13.0	1
	8	700	13	8	9	6.7	9.4	67	WSW	93.0	7.8	0
		2010	16	8	10	6.1	11.1	46	W	183.9	14.0	0
	9	700	10	6	9	4.4	10.0	38	S	34.9	3.2	0
		1900	17	8	12	6.1	13.3	30	W	93.8	7.8	8
	10	700	12	8	11	5.6	11.7	36	C	34.0	2.8	5
		1730	13	9	9	6.9	9.2	73	WNW	209.1	19.9	6
11	700	9	4	6	8.3	6.1	70	S	40.1	3.0	1	
18	1900	14	0	4	4.4	5.0	92	NW	1720.9	9.6	10	
19	700	7	2	7	3.9	7.8	52	SE	77.9	6.5	1	
	1900	12	5	7	6.1	8.1	75	W	95.4	8.0	5	
20	700	8	6	7	5.3	8.3	62	SSW	73.4	6.1	6	

TABLE 2.4: 1959 Instantaneous Meteorological Observations (continued)

DATE		TIME	TEMPERATURE C			PSYCHROMETER C			WIND			CLOUD COVER
			MAX	MIN	CURR	WET	DRY	%HUM	DIR	RUN (KM)	SPEED (KM/HR)	
			SLO	SLO								
AUG	20	1915	13	6	8	6.9	8.3	82	WNW	138.2	11.3	5
	21	700	8	4	6	4.4	6.1	77	NW	91.2	7.8	4
		1915	8	3	5	4.4	5.6	85	WNW	102.8	8.4	10
	22	700	5	3	4	4.4	4.4	100	NW	159.5	13.6	10
		1900	7	2	6	5.0	6.1	85	W	218.1	18.2	9
	23	730	7	2	7	2.2	7.2	38	SE	95.1	7.6	0
		1900	11	3	4	3.3	5.0	76	ESE	88.5	7.7	8
	24	700	4	2	4	2.8	5.0	69	SSE	116.7	9.7	0
		1900	12	3	8	6.7	8.9	73	WSW	121.5	10.1	1
	25	700	9	5	9	3.9	10.0	32	NE	49.2	4.1	1
		1900	13	5	8	6.1	8.3	72	WNW	139.2	11.6	10
	26	700	8	3	4	4.7	5.0	96	WSW	154.5	12.9	10
		1900	6	3	6	5.6	6.1	92	NW	265.5	22.1	10
	27	700	5	3	4	3.9	4.2	96	WNW	441.9	36.8	10
		1900	5	2	3	2.2	3.3	83	WNW	419.9	35.0	10
	28	700	3	-1	1	1.1	1.7	91	SE	228.8	19.1	10
		1900	2	0	9999	1.7	1.9	95	W	93.5	7.8	10
	29	700	3	0	3	0.6	3.3	58	SE	59.5	5.0	0
		1900	10	1	6	3.9	6.1	70	W	131.0	10.9	6
	30	700	6	3	5	2.8	5.6	62	SW	48.1	4.0	8
		1900	9	4	5	4.2	5.6	81	WNW	104.8	8.7	10
	31	700	6	0	1	1.1	1.7	91	S	63.9	5.3	10
		1900	4	0	4	3.6	3.9	96	W	114.7	9.6	10
SEPT	1	700	7	-1	7	0.6	6.1	28	SE	34.8	2.9	1
		1900	12	5	8	5.0	7.8	65	W	74.4	6.2	0
	2	700	9	6	9	4.4	9.4	39	SE	108.6	9.1	1
		1900	18	7	12	6.1	12.2	37	ESE	241.2	20.1	1
	3	700	12	4	5	4.4	5.3	88	NW	167.7	14.0	10
		1900	4	1	2	1.7	2.2	91	WNW	359.7	30.0	10
	4	700	2	-1	0	0.0	0.6	90	ENE	263.1	21.9	10
		1900	5	-2	5	5.3	5.3	100	WNW	299.7	25.0	10
	5	700	5	-1	2	2.2	2.2	100	NW	635.4	52.9	10
		1900	2	-1	2	1.7	2.2	91	WNW	263.6	22.0	10
	6	700	5	-1	4	3.9	3.9	9999	W	351.6	29.3	10
		1900	9	1	2	1.1	2.2	82	WNW	392.7	32.7	10
	7	700	2	-1	2	1.1	2.2	82	SW	204.1	17.0	10
		1900	4	-1	2	1.7	2.2	91	NW	162.1	13.5	10
	8	700	7	-4	-1	-0.6	0.6	80	WNW	304.5	25.4	10
		1900	4	-3	2	0.6	2.2	73	WSW	82.4	6.9	0
	9	700	8	-2	6	1.1	6.1	35	SE	222.4	18.5	0
		1900	11	2	10	5.6	10.6	45	SE	371.9	31.0	0
10	700	14	4	14	5.0	14.4	14	SE	207.8	17.3	7	
	1900	17	12	13	8.3	13.9	45	SE	94.1	7.8	2	
11	700	14	10	13	7.2	13.3	39	SE	121.0	10.1	4	

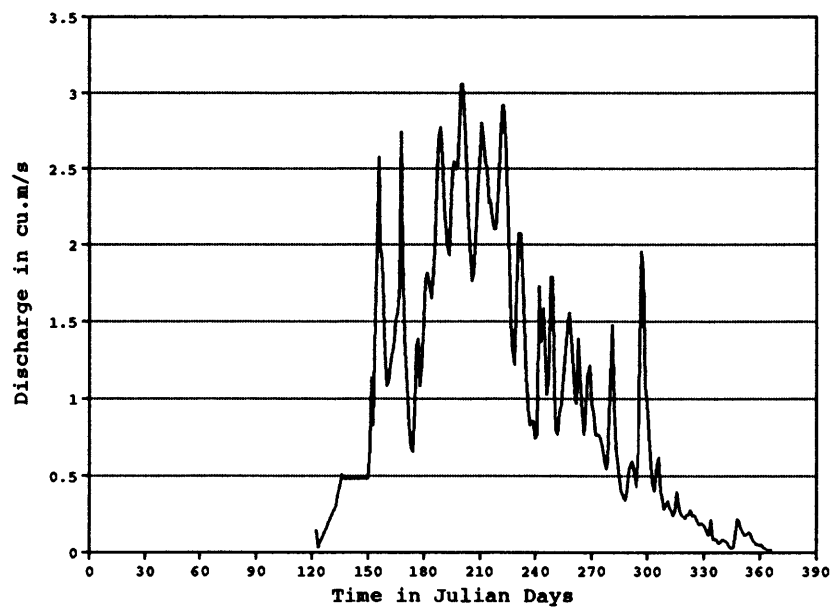
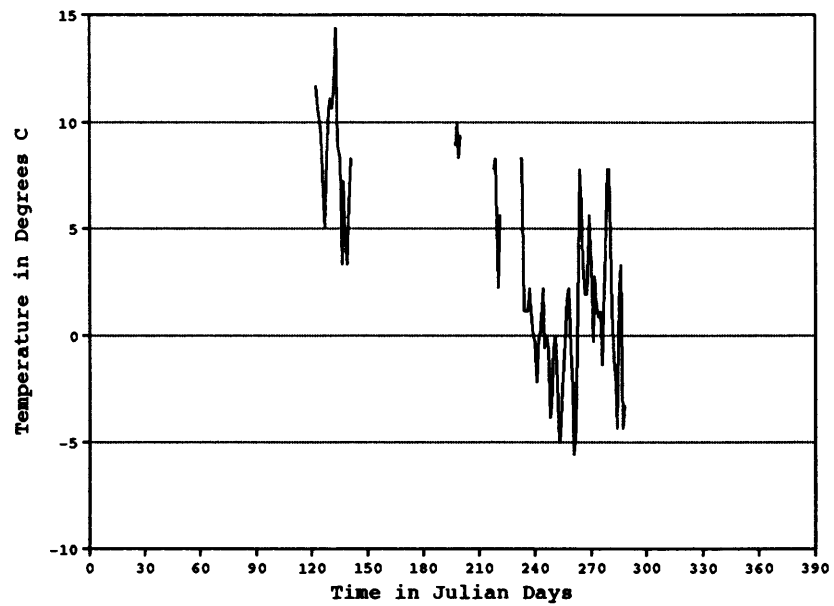


FIGURE 4: 1960 daily mean air temperature and daily mean discharge at the Gaging Station on South Fork Cascade River.

TABLE 3.1: 1960 Daily mean discharge at South Fork Cascade River GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	0.14	0.82	1.7	2.5	1.2	0.74	0.62	0.085
2	9999	9999	9999	9999	0.028	1.5	1.6	2.3	1.0	0.68	0.40	0.085
3	9999	9999	9999	9999	0.057	2.0	1.8	2.3	1.1	0.59	0.34	0.062
4	9999	9999	9999	9999	0.085	2.6	2.0	2.2	1.8	0.54	0.28	0.062
5	9999	9999	9999	9999	0.11	2.0	2.4	2.1	1.8	0.59	0.31	0.079
6	9999	9999	9999	9999	0.14	1.9	2.7	2.1	1.1	1.0	0.34	0.079
7	9999	9999	9999	9999	0.17	1.3	2.8	2.4	0.79	1.5	0.28	0.065
8	9999	9999	9999	9999	0.20	1.1	2.6	2.7	0.76	0.96	0.27	0.048
9	9999	9999	9999	9999	0.23	1.1	2.2	2.9	0.91	0.68	0.24	0.034
10	9999	9999	9999	9999	0.25	1.2	2.1	2.9	0.96	0.57	0.27	0.028
11	9999	9999	9999	9999	0.28	1.3	2.0	2.7	1.1	0.45	0.40	0.031
12	9999	9999	9999	9999	0.31	1.3	1.9	2.3	1.4	0.40	0.28	0.13
13	9999	9999	9999	9999	0.34	1.5	2.4	1.9	1.5	0.37	0.25	0.22
14	9999	9999	9999	9999	0.45	1.6	2.5	1.5	1.6	0.34	0.23	0.20
15	9999	9999	9999	9999	0.51	1.7	2.5	1.3	1.4	0.40	0.22	0.16
16	9999	9999	9999	9999	0.45	2.7	2.5	1.2	1.2	0.54	0.25	0.13
17	9999	9999	9999	9999	0.45	1.9	2.7	1.7	0.99	0.57	0.25	0.11
18	9999	9999	9999	9999	0.45	1.4	3.1	2.1	0.96	0.59	0.28	0.12
19	9999	9999	9999	9999	0.45	1.1	3.1	2.1	1.4	0.51	0.24	0.13
20	9999	9999	9999	9999	0.45	0.82	2.8	1.7	1.1	0.42	0.25	0.12
21	9999	9999	9999	9999	0.45	0.68	2.5	1.5	0.91	0.68	0.23	0.085
22	9999	9999	9999	9999	0.45	0.65	2.2	1.1	0.76	1.6	0.20	0.065
23	9999	9999	9999	9999	0.45	0.93	2.0	0.93	0.85	2.0	0.18	0.051
24	9999	9999	9999	9999	0.45	1.3	1.8	0.82	1.1	1.8	0.19	0.048
25	9999	9999	9999	9999	0.45	1.4	1.8	0.85	1.2	1.1	0.18	0.045
26	9999	9999	9999	9999	0.45	1.1	2.1	0.85	0.96	0.96	0.15	0.048
27	9999	9999	9999	9999	0.45	1.2	2.4	0.74	0.91	0.76	0.12	0.034
28	9999	9999	9999	9999	0.45	1.5	2.6	0.76	0.76	0.62	0.12	0.028
29	9999	9999	9999	9999	0.48	1.8	2.8	1.7	0.76	0.45	0.21	0.017
30	9999		9999	9999	0.68	1.8	2.7	1.4	0.76	0.40	0.08	0.014
31	9999		9999		1.1		2.5	1.6		0.57		0.014
TOTAL					12	43	73	55	33	23	7.6	2.4
MEAN					0.38	1.4	2.4	1.8	1.1	0.75	0.25	0.078
MAX					1.1	2.7	3.1	2.9	1.8	2.0	0.62	0.22
MIN					0.028	0.65	1.6	0.74	0.76	0.34	0.085	0.014

TABLE 3.2: 1960 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

			TEMPERATURE C						WIND				
			MAX	MIN		PSYCHROMETER C				RUN	SPEED	CLOUD	
DATE	TIME		SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER	
MAY	11	1507	9999	9999	9999	9999	9999	9999	NW	9999	9999	10	
	12	1600	9999	9999	0	0.0	0.0	100	NW	9999	9999	10	
	13	745	-3	-4	-3	9999	9999	9999	***	279.7	6.9	10	
		1900	1	-4	-3	9999	9999	9999	***	242.0	21.5	10	
	14	900	-2	-4	-3	-1.7	0.0	72	***	149.7	10.7	10	
		1805	4	-4	1	9999	9999	9999	***	99.3	11.0	*	
	15	700	9999	-4	1	-2.2	1.9	52	S	84.8	6.5	1	
		2000	7	0	9999	9999	9999	9999	***	113.1	8.7	10	
	16	1020	9999	-4	-3	9999	9999	9999	NW	156.9	10.9	10	
		1700	-1	-5	-5	9999	9999	9999	NW	205.5	30.8	10	
	17	815	9999	-6	-5	9999	9999	9999	***	159.3	10.4	10	
		1920	3	-6	-4	9999	9999	9999	***	114.4	10.3	10	
	18	750	9999	-5	-4	9999	9999	9999	***	183.5	14.7	10	
		2004	1	-4	-3	9999	9999	9999	***	172.5	14.2	*	
	19	615	-1	-4	-2	9999	9999	9999	***	32.5	3.2	*	
	JUN	26	1900	18	-10	9	6.9	9.2	81	C	11790.2	8.5	1
		27	715	21	0	11	6.4	11.1	53	***	0.6	0.1	0
			1610	14	3	13	9.4	14.1	57	***	9999	9999	*
			1700	9999	9999	9999	8.9	11.9	69	***	53.4	5.5	1
JUL	8	1930	22	-1	11	7.5	11.1	63	NW	2130.8	8.0	0	
	9	705	13	4	7	3.9	8.3	51	***	40.1	3.5	0	
		1915	9999	9999	9999	7.2	11.1	60	NNW	122.3	10.0	8	
	10	700	10	3	6	2.2	6.7	48	SSW	59.7	5.1	1	
		1900	16	6	11	7.8	12.2	57	***	73.9	6.2	2	
	11	715	11	8	11	2.2	11.1	16	NW	38.9	3.2	3	
		1910	17	10	15	8.1	15.3	38	NW	54.6	4.5	1	
	12	700	9999	12	14	6.1	13.9	32	W	213.2	18.0	2	
		1915	21	14	17	15.3	15.8	95	NW	214.2	17.5	1	
	13	700	17	9	13	7.8	13.3	49	NW	43.3	3.7	6	
		1855	17	10	12	10.6	12.2	83	NW	95.6	8.0	10	
	14	1900	18	7	14	10.6	14.4	64	NW	148.2	6.2	0	
		700	15	10	13	6.7	12.8	43	NW	30.6	2.5	1	
	15	1900	19	12	17	11.1	17.2	49	NW	91.6	7.6	1	
		655	16	12	16	8.3	16.1	36	C	56.6	4.7	0	
	16	2005	23	16	18	10.8	19.2	37	NW	100.6	7.7	1	
		715	20	19	20	10.6	20.0	32	***	46.7	4.1	1	
	17	1910	24	18	21	13.9	22.2	42	W	62.9	5.2	1	
		540	21	17	16	10.8	16.4	52	SW	21.4	2.0	0	
AUG	23	1900	6	2	2	9999	9999	9999	N	8127.5	9.3	10	
	24	700	3	1	2	1.7	2.8	84	N	51.3	4.3	10	
		1900	6	1	2	9999	9999	9999	NE	89.2	7.4	10	
	25	700	3	1	1	9999	9999	9999	NE	57.8	4.8	*	
		1900	3	-1	-1	9999	9999	9999	SE	88.8	7.4	10	
	26	700	1	-1	-1	9999	9999	9999	C	22.7	1.9	*	
		1900	3	-1	0	9999	9999	9999	W	135.3	11.3	10	
	27	700	1	-1	0	9999	9999	9999	N	67.3	5.6	10	
		1900	3	-1	1	9999	9999	9999	W	77.4	6.5	10	
	28	515	2	0	2	9999	9999	9999	***	44.3	4.3	10	
SEPT	18	1845	20	9999	11	4.4	10.6	39	N	6074.3	11.7	7	
	19	700	10	5	6	9999	9999	9999	NW	266.3	21.7	10	
		1900	7	0	0	9999	9999	9999	SW	354.9	29.6	10	

TABLE 3.2: 1960 Instantaneous Meteorological Observations (continued)

		TEMPERATURE C						WIND				
		MAX	MIN		PSYCHROMETER C				RUN	SPEED	CLOUD	
DATE	TIME	SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER	
SEPT	20	700	0	-2	-2	9999	9999	9999	W	155.1	12.9	10
		1915	4	-2	1	1.7	2.2	92	W	113.1	9.2	9
	21	715	3	-1	2	-0.6	2.5	56	E	142.4	11.9	0
		1915	9	2	5	2.5	6.4	53	***	99.3	8.3	0
	22	700	9999	4	6	1.7	6.9	39	NE	99.0	8.4	10
		1900	7	1	2	9999	9999	9999	NE	114.1	9.5	10
	23	700	9999	1	2	9999	9999	9999	W	181.5	15.1	10
OCT	22	1705	17	-5	5	9999	9999	9999	S	9062.5	12.8	10
	23	740	9	4	8	9999	9999	9999	SE	172.5	11.8	10
		1715	9	2	2	9999	9999	9999	W	229.3	23.9	10
	24	750	2	-2	-2	9999	9999	9999	NW	302.9	20.8	10
		1800	9999	9999	9999	9999	9999	9999	NW	9999	9999	10

TABLE 3.3: 1960 Daily air Temperature in degrees C at the GAGING STATION.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/18	200	7	20	12	10/24	298	2	3	2	12/02	337	-3	1	-1
07/19	201	6	19	11	10/25	299	2	7	6	12/03	338	-5	0	-3
07/20	202	4	17	10						12/04	339	-9	-4	-6
07/21	203	4	18	9	11/05	310	7	9	8	12/05	340	-8	-3	-4
07/22	204	2	12	7	11/06	311	3	12	8	12/06	341	-2	4	1
07/23	205	1	11	5	11/07	312	1	3	1	12/07	342	2	10	8
07/24	206	2	17	8	11/08	313	-1	5	1	12/08	343	4	8	6
07/25	207	6	19	11	11/09	314	-1	6	1	12/09	344	2	6	3
07/26	208	7	19	11	11/10	315	0	4	2	12/10	345	0	4	2
07/27	209	6	19	11	11/11	316	-1	3	1	12/11	346	-2	4	2
07/28	210	6	16	12	11/12	317	-1	2	0	12/12	347	3	8	6
07/29	211	6	21	14	11/13	318	-2	0	0	12/13	348	-3	8	3
07/30	212	6	12	9	11/14	319	-4	-1	-2	12/14	349	-3	2	0
07/31	213	4	16	8	11/15	320	-3	2	0	12/15	350	2	4	3
					11/16	321	-2	3	0	12/16	351	1	3	1
08/01	214	2	4	3	11/17	322	0	4	2	12/17	352	0	2	1
08/02	215	2	13	7	11/18	323	-2	0	-1	12/18	353	-1	2	1
08/03	216	3	8	4	11/19	324	-1	1	0	12/19	354	-2	-1	-1
08/04	217	2	6	3	11/20	325	-3	2	-1	12/20	355	-2	3	1
08/05	218	1	14	6	11/21	326	-5	-3	-4	12/21	356	1	8	4
08/06	219	4	17	8	11/22	327	-6	-1	-3	12/22	357	6	13	8
					11/23	328	-2	1	-1	12/23	358	3	13	8
08/23	236	0	24	7	11/24	329	-2	1	0	12/24	359	-2	4	1
					11/25	330	-4	-1	-2	12/25	360	-4	1	-1
10/01	275	4	12	9	11/26	331	-6	-3	-5	12/26	361	-6	-1	-2
10/02	276	6	13	10	11/27	332	-6	-3	-5	12/27	362	-7	-2	-4
10/03	277	6	11	8	11/28	333	-4	0	-3	12/28	363	-2	3	2
10/04	278	7	12	9	11/29	334	-3	2	0	12/29	364	-3	6	3
					11/30	335	-1	4	2	12/30	365	-6	-2	-4
10/22	296	7	9	8						12/31	366	-4	-2	-3
10/23	297	7	9	8	12/01	336	1	4	2					

TABLE 3.4: 1960 Daily air temperature in degrees C
at the HUT using a Weksler thermograph.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
04/13	104	-4	-2	-3	07/04	186	6	17	11	08/27	240	-1	3	1
04/14	105	-4	2	-3	07/05	187	11	20	14	08/28	241	1	7	3
04/15	106	-5	6	-1	07/06	188	15	22	17	08/29	242	0	4	2
04/16	107	-6	-2	-4	07/07	189	12	16	14	08/30	243	2	7	4
04/17	108	-7	-1	-4	07/08	190	9999	9999	9999	08/31	244	-1	4	2
					07/09	191	4	13	8					
05/13	134	-4	-1	-3	07/10	192	3	16	7	09/01	245	0	6	2
05/14	135	-3	2	-2	07/11	193	8	17	11	09/02	246	1	12	8
05/15	136	-4	6	1	07/12	194	12	21	14	09/03	247	8	14	12
05/16	137	-6	-2	-4	07/13	195	9	17	12	09/04	248	0	7	3
05/17	138	-6	1	-4	07/14	196	6	18	10	09/05	249	-2	1	0
05/18	139	-4	-1	-3	07/15	197	10	19	13	09/06	250	-2	6	2
05/19	140	-4	1	-1	07/16	198	12	23	17	09/07	251	2	11	6
05/20	141	-6	2	-3	07/17	199	18	24	21					
05/21	142	-7	-3	-6	07/18	200	14	22	18	09/19	263	0	7	4
05/22	143	-8	1	-4	07/19	201	9	18	13	09/20	264	-1	4	1
05/23	144	-4	4	-1	07/20	202	8	17	12	09/21	265	0	9	4
05/24	145	-1	3	0	07/21	203	8	18	11	09/22	266	1	6	4
05/25	146	-8	2	-3	07/22	204	4	19	8	09/23	267	1	3	2
05/26	147	-1	3	0	07/23	205	3	11	6	09/24	268	1	7	6
05/27	148	-3	-1	-2	07/24	206	4	16	8	09/25	269	1	12	7
05/28	149	-2	8	2	07/25	207	11	21	15	09/26	270	7	13	9
					07/26	208	13	20	17	09/27	271	10	17	13
06/27	179	3	14	7	07/27	209	11	18	13	09/28	272	10	16	12
06/28	180	6	17	11	07/28	210	12	23	16	09/29	273	9	17	12
06/29	181	6	13	9	07/29	211	17	24	20	09/30	274	6	12	9
06/30	182	3	8	6										
					08/24	237	1	6	2	10/01	275	6	14	10
07/01	183	1	3	2	08/25	238	-1	3	1	10/02	276	7	12	9
07/02	184	-1	13	6	08/26	239	-1	3	0	10/03	277	6	10	7
07/03	185	4	13	8						10/04	278	8	12	9

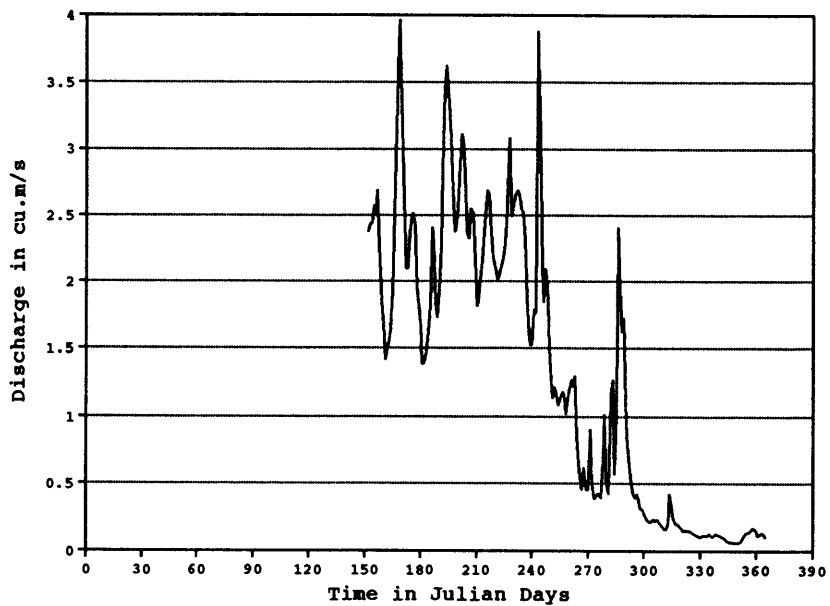
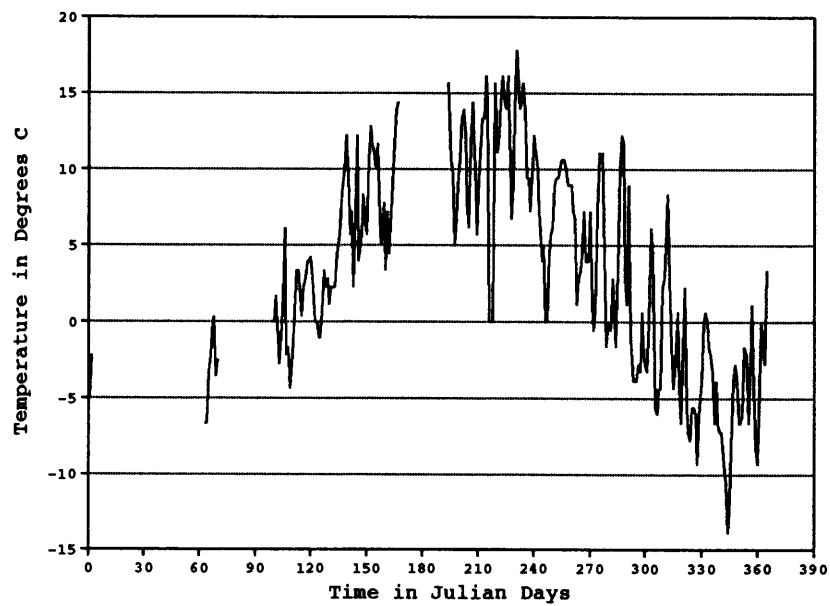


FIGURE 5: 1961 daily mean air temperature and daily mean discharge at the Gaging Station on South Fork Cascade River.

TABLE 4.1: 1961 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	2.4	1.4	2.2	3.1	0.40	0.24	0.13
2	9999	9999	9999	9999	9999	2.4	1.5	2.4	2.1	0.42	0.22	0.11
3	9999	9999	9999	9999	9999	2.4	1.6	2.6	1.8	0.40	0.24	0.10
4	9999	9999	9999	9999	9999	2.6	1.8	2.7	2.1	0.40	0.21	0.12
5	9999	9999	9999	9999	9999	2.5	2.4	2.7	2.0	0.68	0.20	0.13
6	9999	9999	9999	9999	9999	2.7	2.3	2.4	1.5	1.0	0.18	0.12
7	9999	9999	9999	9999	9999	2.3	1.8	2.2	1.3	0.48	0.16	0.11
8	9999	9999	9999	9999	9999	1.8	1.7	2.1	1.1	0.40	0.16	0.10
9	9999	9999	9999	9999	9999	1.7	1.9	2.0	1.2	1.2	0.21	0.091
10	9999	9999	9999	9999	9999	1.4	2.3	2.0	1.2	1.3	0.40	0.079
11	9999	9999	9999	9999	9999	1.5	2.8	2.1	1.1	0.54	0.34	0.074
12	9999	9999	9999	9999	9999	1.6	3.5	2.2	1.1	1.0	0.24	0.062
13	9999	9999	9999	9999	9999	1.6	3.6	2.2	1.2	2.4	0.20	0.062
14	9999	9999	9999	9999	9999	1.9	3.3	2.4	1.1	2.0	0.20	0.059
15	9999	9999	9999	9999	9999	2.5	3.1	2.7	1.0	1.6	0.18	0.057
16	9999	9999	9999	9999	9999	3.1	2.7	3.1	1.1	1.7	0.16	0.057
17	9999	9999	9999	9999	9999	3.8	2.4	2.5	1.2	1.1	0.15	0.057
18	9999	9999	9999	9999	9999	4.0	2.4	2.6	1.3	0.85	0.15	0.071
19	9999	9999	9999	9999	9999	3.3	2.5	2.7	1.2	0.68	0.15	0.099
20	9999	9999	9999	9999	9999	2.6	2.9	2.7	1.3	0.51	0.15	0.12
21	9999	9999	9999	9999	9999	2.1	3.1	2.6	0.85	0.42	0.14	0.14
22	9999	9999	9999	9999	9999	2.1	3.0	2.5	0.65	0.40	0.14	0.14
23	9999	9999	9999	9999	9999	2.4	2.8	2.5	0.51	0.40	0.13	0.14
24	9999	9999	9999	9999	9999	2.5	2.4	2.3	0.45	0.37	0.12	0.17
25	9999	9999	9999	9999	9999	2.5	2.3	1.9	0.62	0.31	0.11	0.17
26	9999	9999	9999	9999	9999	2.4	2.5	1.6	0.45	0.31	0.10	0.14
27	9999	9999	9999	9999	9999	2.0	2.5	1.5	0.45	0.28	0.11	0.11
28	9999	9999	9999	9999	9999	1.8	2.2	1.5	0.91	0.25	0.11	0.12
29	9999		9999	9999	9999	1.7	1.8	1.8	0.51	0.23	0.11	0.13
30	9999		9999	9999	9999	1.4	1.8	1.8	0.40	0.22	0.11	0.13
31	9999		9999		9999		2.0	3.9		0.21		0.096
TOTAL						69	75	72	35	23	5.3	3.3
MEAN						2.3	2.4	2.3	1.2	0.73	0.18	0.11
MAX						4.0	3.6	3.9	3.1	2.4	0.42	0.17
MIN						1.4	1.4	1.5	0.40	0.21	0.10	0.057

TABLE 4.2: 1961 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	0.034	0.0028	0.051	0.017	0.0028	9999
2	9999	9999	9999	9999	9999	9999	0.037	0.0028	0.028	0.011	0.0028	9999
3	9999	9999	9999	9999	9999	9999	0.037	0.0028	0.020	0.0057	0.0028	9999
4	9999	9999	9999	9999	9999	9999	0.037	0.0028	0.017	0.0057	0.0028	9999
5	9999	9999	9999	9999	9999	9999	0.051	0.0028	0.011	0.025	0.0028	9999
6	9999	9999	9999	9999	9999	9999	0.040	0.00	0.011	0.020	0.0028	9999
7	9999	9999	9999	9999	9999	9999	0.034	0.00	0.0057	0.014	0.0028	9999
8	9999	9999	9999	9999	9999	9999	0.028	0.00	0.0028	0.011	0.0028	9999
9	9999	9999	9999	9999	9999	9999	0.028	0.00	0.0028	0.079	0.014	9999
10	9999	9999	9999	9999	9999	9999	0.028	0.00	0.0028	0.020	0.076	9999
11	9999	9999	9999	9999	9999	9999	0.028	0.00	0.0028	0.011	0.031	9999
12	9999	9999	9999	9999	9999	9999	0.028	0.00	0.00	0.065	0.0085	9999
13	9999	9999	9999	9999	9999	9999	0.025	0.00	0.00	0.034	0.0057	9999
14	9999	9999	9999	9999	9999	9999	0.025	0.00	0.00	0.023	0.0085	9999
15	9999	9999	9999	9999	9999	9999	0.020	0.0028	0.00	0.020	0.0057	9999
16	9999	9999	9999	9999	9999	9999	0.017	0.017	0.0028	0.023	0.0057	9999
17	9999	9999	9999	9999	9999	9999	0.014	0.0057	0.0028	0.017	0.0057	9999
18	9999	9999	9999	9999	9999	9999	0.011	0.0028	0.0028	0.011	0.0028	9999
19	9999	9999	9999	9999	9999	9999	0.011	0.0028	0.0028	0.011	0.0028	9999
20	9999	9999	9999	9999	9999	9999	0.0085	0.0028	0.014	0.0085	0.0028	9999
21	9999	9999	9999	9999	9999	9999	0.0085	0.0028	0.011	0.0085	0.0028	9999
22	9999	9999	9999	9999	9999	9999	0.0085	0.00	0.0057	0.0057	0.0028	9999
23	9999	9999	9999	9999	9999	9999	0.0085	0.00	0.0057	0.0057	0.0028	9999
24	9999	9999	9999	9999	9999	9999	0.0085	0.00	0.0028	0.0057	0.0028	9999
25	9999	9999	9999	9999	9999	9999	0.0085	0.00	0.0057	0.0057	0.0028	9999
26	9999	9999	9999	9999	9999	9999	0.0057	0.00	0.0028	0.0057	0.0028	9999
27	9999	9999	9999	9999	9999	9999	0.0057	0.00	0.0028	0.0057	0.0028	9999
28	9999	9999	9999	9999	9999	9999	0.0057	0.00	0.028	0.0057	0.0085	9999
29	9999		9999	9999	9999	9999	0.0057	0.00	0.017	0.0057	0.014	9999
30	9999		9999	9999	9999	9999	0.0028	0.0028	0.017	0.0057	0.017	9999
31	9999		9999		9999		0.0028	0.085		0.0057		9999
TOTAL							0.61	0.14	0.28	0.50	0.25	
MEAN							0.020	0.0045	0.0093	0.016	0.0085	
MAX							0.051	0.085	0.051	0.079	0.076	
MIN							0.0028	0.00	0.00	0.0057	0.0028	

TABLE 4.3: 1961 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

			TEMPERATURE C			PSYCHROMETER C			WIND			CLOUD COVER
			MAX SLO	MIN SLO	CURR				DIR	RUN (KM)	SPEED (KM/HR)	
DATE	TIME		SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER
JUN	11	1900	9999	9999	9999	9999	9999	9999	N	9999	9999	10
	12	1200	9999	9999	9999	9999	9999	9999	N	9999	9999	2
		2020	9999	9999	7	4.4	7.2	67	N	9999	9999	1
	13	715	9999	9999	9999	2.2	9.4	26	***	9999	9999	*
		1945	9999	9999	9999	6.7	15.6	27	***	9999	9999	0
	14	730	18	12	13	7.2	14.4	37	S	82.1	6.9	0
		1915	20	13	18	10.0	18.3	36	***	99.9	8.5	0
	15	730	16	14	14	8.9	15.8	41	S	151.9	12.4	0
		2010	23	16	18	8.6	17.8	30	E	108.5	8.5	0
	16	715	20	17	19	10.0	19.4	31	S	102.4	9.3	0
		1900	22	20	22	10.6	19.4	34	S	101.1	8.5	0
	17	815	22	15	20	9.7	17.8	37	S	153.2	11.6	1
		1930	21	18	20	10.0	19.4	31	SE	189.1	16.7	9
	18	730	19	14	18	9.2	14.4	52	SW	268.6	22.4	0
		2150	21	12	12	7.8	12.2	57	W	107.2	7.6	0
		735	12	6	6	6.1	6.7	93	W	24.6	2.6	*
JUL	13	730	26	16	9999	10.6	18.3	39	N	5274.3	9.2	0
		2000	9999	9999	20	12.5	20.0	40	NW	142.4	11.4	0
	14	740	9999	9999	14	11.1	13.9	73	C	69.2	6.0	4
		2040	9999	9999	16	10.0	16.1	48	N	9999	9999	0
	15	745	21	12	14	6.7	14.4	33	***	9999	9999	0
		1825	22	14	17	11.7	17.8	50	NW	9999	9999	9
	16	745	22	7	8	7.2	7.8	93	NW	9999	9999	10
		1900	9	6	7	7.2	7.8	93	NNW	9999	9999	10
	17	715	7	4	5	5.0	6.1	86	C	9999	9999	1
		2000	13	5	10	9.2	10.8	82	NW	9999	9999	9
	18	700	9	7	9	7.8	12.2	57	***	47.0	4.3	0
		2000	17	9	13	10.6	13.9	68	NW	69.8	5.3	5
	19	800	9999	9	14	8.9	15.0	46	SE	71.1	6.0	2
		1900	9999	14	18	11.7	18.3	47	W	81.4	7.4	0
	20	725	18	56	14	10.0	15.0	56	SE	69.7	5.6	0
		1950	21	58	18	13.9	17.8	67	W	102.5	8.2	0
AUG	1	2030	21	9999	17	9999	9999	9999	SW	1838.5	6.4	0
	2	715	15	14	15	7.8	16.1	32	W	38.8	3.5	0
		1900	24	15	21	12.2	21.4	35	W	94.0	8.0	*
	3	730	22	16	17	8.9	17.8	31	SE	50.2	4.0	*
		1915	26	9999	23	13.3	23.3	34	W	47.3	4.0	0
	4	715	24	20	22	9.7	21.7	21	S	123.1	10.3	0
		1930	26	19	19	11.7	20.0	38	SW	214.2	17.5	10
	5	730	21	11	11	10.8	11.9	88	NW	73.1	6.1	10
		1945	12	7	7	6.7	7.8	87	W	79.0	6.4	9
	6	700	11	5	9	2.8	9.2	33	S	53.3	4.7	0
		2030	18	6	12	9999	9999	9999	W	76.3	5.6	0
	7	730	17	3	11	6.1	12.8	38	S	17.1	1.6	0
		1915	20	13	17	11.1	17.8	46	W	62.8	5.3	0
	8	800	17	8	11	7.8	10.8	68	C	57.1	4.5	*
		2145	17	9	9	10.0	11.1	88	W	103.8	7.6	1
	9	800	11	7	9999	6.1	11.1	50	E	62.4	6.1	0
	1800	18	11	16	13.6	16.7	73	W	96.1	9.7	0	
10	730	16	12	13	6.1	13.9	32	***	209.1	15.4	0	
	2100	20	12	17	9.4	18.1	33	SW	121.8	9.0	0	
11	830	17	13	9999	6.4	14.7	29	E	172.7	15.0	0	

TABLE 4.3: 1961 Instantaneous Meteorological Observations (continued)

		TEMPERATURE C			PSYCHROMETER C			WIND				
		MAX	MIN						RUN	SPEED	CLOUD	
DATE	TIME	SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER	
AUG	11	1815	22	11	22	11.7	21.7	31	WSW	160.5	16.4	4
	12	745	22	16	18	11.1	18.9	40	SSE	76.0	5.6	7
		2020	22	18	18	9.4	17.8	35	W	115.2	9.2	9
	13	900	19	16	19	14.4	18.9	64	W	52.1	4.2	5
		1935	23	18	19	11.7	19.7	39	W	62.4	6.0	10
	14	800	21	14	18	10.3	18.9	40	SSE	45.7	3.7	0
	30	1900	24	4	8	9999	9999	9999	E	2986.8	7.6	10
	31	920	16	3	3	9999	9999	9999	W	193.3	13.5	10
		1900	4	2	3	3.3	3.9	92	W	176.2	18.2	10
SEPT	1	800	6	0	0	9999	9999	9999	N	163.8	12.6	10
		1900	1	-1	-1	9999	9999	9999	W	155.1	14.2	10
	2	730	1	-1	1	9999	9999	9999	W	77.9	6.3	10
		1900	4	1	3	9999	9999	9999	W	99.6	8.7	10
	3	730	4	2	3	9999	9999	9999	E	115.7	9.3	10
		1900	7	2	6	9999	9999	9999	NW	103.2	9.0	10
	4	930	7	7	7	8.3	10.6	76	***	103.6	7.1	10
		1930	16	6	12	8.3	12.2	62	E	64.1	6.4	0
	5	900	12	2	3	9999	9999	9999	W	182.2	13.5	10
		1930	4	2	2	1.7	2.8	84	W	124.9	11.9	8
	6	700	3	0	0	0.0	1.1	83	S	60.8	5.3	1
		1930	7	0	3	3.3	3.9	92	NW	57.3	4.7	8
	7	800	4	1	2	1.9	3.9	73	E	81.9	6.6	0
		2100	9	3	7	3.9	7.8	56	***	79.3	6.1	1
	8	710	8	3	9999	-0.6	6.1	22	S	73.4	7.2	0
		1930	15	6	12	8.9	11.1	77	E	69.5	5.6	*
	9	700	8	6	6	1.1	7.8	27	C	20.1	1.8	0
		1900	14	7	11	7.2	11.1	60	N	72.3	6.0	0
	10	700	11	5	5	3.9	6.1	72	S	52.8	4.3	0
		1900	13	7	11	6.1	11.7	46	N	100.3	8.4	0
	11	800	11	5	6	2.2	7.2	43	SSE	286.0	22.0	*
		1955	13	6	9	5.0	10.6	44	SE	107.2	9.0	0
	12	1900	12	7	11	3.9	10.0	38	SE	576.3	25.1	*
	13	700	10	5	5	1.1	6.1	41	E	501.0	41.7	0
		1900	12	7	10	3.9	11.1	30	E	372.6	31.1	*
	14	810	9	6	7	1.7	8.1	30	SE	455.3	34.6	2
		1940	12	6	8	6.1	10.0	59	SE	214.7	18.7	5
	15	730	9	3	4	3.3	4.4	85	E	30.6	2.6	0
		1910	13	3	5	5.8	6.1	96	N	99.1	8.5	10
	16	815	9	4	7	5.3	8.1	68	E	60.2	4.7	6
	1900	11	8	11	7.8	9.4	81	SE	35.1	3.2	10	
OCT	3	1815	16	-4	10	6.7	11.7	51	SE	3684.1	9.0	1
	4	700	11	8	9	2.2	10.0	23	W	37.2	2.9	0
		1845	13	8	9	2.8	10.0	28	NW	106.1	9.0	0
	5	630	9	4	6	3.9	6.7	67	NW	79.2	6.7	9
		1830	7	-1	-1	9999	9999	9999	W	230.9	19.3	10
	6	700	1	-4	-4	9999	9999	9999	W	217.3	17.4	10
		1800	-2	-5	-5	9999	9999	9999	W	140.5	12.7	10
	7	615	-4	-6	-4	9999	9999	9999	C	62.3	5.1	10
		1800	1	-5	-4	9999	9999	9999	C	55.0	4.7	3
	8	630	-3	-5	-4	9999	9999	9999	S	65.7	5.3	10
		1815	9999	-4	-3	-1.7	-1.1	90	W	88.0	7.6	10
	9	700	3	-3	2	9999	9999	9999	NW	130.4	10.3	10
		1730	3	1	1	9999	9999	9999	NW	210.5	20.1	10
	10	700	2	-4	-4	9999	9999	9999	NW	201.3	15.0	10
		1745	-2	-5	-3	9999	9999	9999	NW	102.8	9.5	10
	11	845	-2	-4	-4	9999	9999	9999	NW	194.6	13.0	10
		1730	-2	-4	-4	9999	9999	9999	N	95.0	10.8	10
	12	830	2	-4	1	9999	9999	9999	NE	221.6	14.8	10
		1830	6	8	1	9999	9999	9999	NW	169.8	17.1	10

TABLE 4.4a: 1961 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-7	-3	-5	04/24	114	-1	11	2	05/21	141	3	9	6
01/02	2	-7	2	-2	04/25	115	-1	2	0	05/22	142	2	12	7
					04/26	116	-1	11	2	05/23	143	-2	8	2
03/04	63	-8	-3	-7	04/27	117	-2	11	3	05/24	144	-2	11	7
03/05	64	-7	-3	-7	04/28	118	1	8	4	05/25	145	6	17	12
03/06	65	-4	-1	-3	04/29	119	2	9	4	05/26	146	1	7	4
03/07	66	-4	3	-2	04/30	120	1	10	4	05/27	147	1	13	6
03/08	67	-3	3	0						05/28	148	3	12	8
03/09	68	-3	3	0	05/01	121	-1	5	3	05/29	149	3	11	7
03/10	69	-4	-2	-4	05/02	122	-1	3	0	05/30	150	3	8	6
03/11	70	-3	-1	-3	05/03	123	-5	13	0	05/31	151	5	17	11
					05/04	124	-4	1	-1					
04/08	98	-2	7	0	05/05	125	-3	1	-1	06/01	152	9	16	13
04/09	99	9999	9999	9999	05/06	126	-2	4	1	06/02	153	9	14	12
04/10	100	-2	2	0	05/07	127	-1	12	3	06/03	154	7	14	11
04/11	101	-1	3	2	05/08	128	-1	4	2	06/04	155	7	13	10
04/12	102	-2	-1	-1	05/09	129	1	6	3	06/05	156	6	16	12
04/13	103	-3	-2	-3	05/10	130	-2	8	1	06/06	157	1	12	7
04/14	104	-4	1	-1	05/11	131	-2	12	2	06/07	158	1	10	5
04/15	105	-3	4	2	05/12	132	0	8	2	06/08	159	3	11	8
04/16	106	1	9	6	05/13	133	0	10	2	06/09	160	2	6	3
04/17	107	-4	1	-2	05/14	134	0	14	4	06/10	161	2	12	7
04/18	108	-5	7	-2	05/15	135	2	11	6	06/11	162	3	6	4
04/19	109	-10	-1	-4	05/16	136	4	13	8	06/12	163	3	11	7
04/20	110	-9	2	-2	05/17	137	5	14	9	06/13	164	5	13	10
04/21	111	-2	2	1	05/18	138	6	14	10	06/14	165	9	16	12
04/22	112	1	10	3	05/19	139	9	16	12	06/15	166	11	18	14
04/23	113	-1	13	3	05/20	140	4	14	9	06/16	167	12	18	14

TABLE 4.4b: 1961 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	9999	9999	9999	09/01	244	2	6	4	11/01	305	-10	-1	-6
07/02	183	9999	9999	9999	09/02	245	3	7	5	11/02	306	-10	-2	-6
07/03	184	9999	9999	9999	09/03	246	9999	9999	9999	11/03	307	-7	-2	-4
07/04	185	9999	9999	9999	09/04	247	9999	9999	9999	11/04	308	-8	-1	-4
07/05	186	9999	9999	9999	09/05	248	3	6	4	11/05	309	-2	7	2
07/06	187	9999	9999	9999	09/06	249	2	9	6	11/06	310	1	5	3
07/07	188	9999	9999	9999	09/07	250	3	10	6	11/07	311	4	9	6
07/08	189	9999	9999	9999	09/08	251	4	14	9	11/08	312	6	13	8
07/09	190	9999	9999	9999	09/09	252	6	14	9	11/09	313	0	7	3
07/10	191	9999	9999	9999	09/10	253	6	13	9	11/10	314	-3	3	-2
07/11	192	9999	9999	9999	09/11	254	8	13	10	11/11	315	-7	-1	-4
07/12	193	9999	9999	9999	09/12	255	8	13	11	11/12	316	-8	-1	-3
07/13	194	9	21	16	09/13	256	8	13	11	11/13	317	-1	2	1
07/14	195	7	17	11	09/14	257	6	14	10	11/14	318	-8	-1	-4
07/15	196	6	16	10	09/15	258	6	15	9	11/15	319	-9	-3	-7
07/16	197	3	7	5	09/16	259	7	13	9	11/16	320	-7	7	-2
07/17	198	3	11	7	09/17	260	6	13	9	11/17	321	-1	8	2
07/18	199	4	15	9	09/18	261	6	11	7	11/18	322	-7	-1	-6
07/19	200	6	18	11	09/19	262	4	12	7	11/19	323	-10	-6	-7
07/20	201	8	21	13	09/20	263	-1	4	1	11/20	324	-12	-6	-8
07/21	202	9	19	14	09/21	264	-1	7	3	11/21	325	-7	-4	-6
07/22	203	8	19	12	09/22	265	1	7	3	11/22	326	-7	-3	-6
07/23	204	7	9	8	09/23	266	1	9	4	11/23	327	-8	-5	-6
07/24	205	5	7	6	09/24	267	3	12	7	11/24	328	-12	-6	-9
07/25	206	7	18	12	09/25	268	1	6	4	11/25	329	-9	-4	-6
07/26	207	9	17	14	09/26	269	1	8	4	11/26	330	-8	0	-4
07/27	208	7	13	10	09/27	270	4	10	7	11/27	331	-1	1	0
07/28	209	4	7	6	09/28	271	-1	6	1	11/28	332	-1	1	1
07/29	210	4	13	8	09/29	272	-3	1	-1	11/29	333	-2	2	0
07/30	211	7	15	11	09/30	273	-1	4	1	11/30	334	-3	-1	-2
07/31	212	9	19	13	10/01	274	2	11	7	12/01	335	-3	-2	-2
08/01	213	8	21	13	10/02	275	8	13	11	12/02	336	-5	-2	-3
08/02	214	11	23	16	10/03	276	8	14	11	12/03	337	-8	-5	-7
08/03	215	12	19	14	10/04	277	6	14	11	12/04	338	-6	-2	-4
08/04	216	9999	9999	9999	10/05	278	0	7	4	12/05	339	-8	-6	-7
08/05	217	9999	9999	9999	10/06	279	-3	0	-2	12/06	340	-8	-7	-7
08/06	218	9999	9999	9999	10/07	280	-3	3	0	12/07	341	-10	-6	-7
08/07	219	11	19	16	10/08	281	-3	1	-1	12/08	342	-11	-6	-9
08/08	220	7	16	11	10/09	282	1	3	3	12/09	343	-13	-8	-11
08/09	221	7	17	12	10/10	283	-1	1	0	12/10	344	-14	-13	-14
08/10	222	12	16	14	10/11	284	-2	-1	-2	12/11	345	-14	-9	-12
08/11	223	12	20	16	10/12	285	0	8	3	12/12	346	-11	-7	-8
08/12	224	12	19	14	10/13	286	6	13	10	12/13	347	-7	-1	-4
08/13	225	11	18	14	10/14	287	10	14	12	12/14	348	-4	-2	-3
08/14	226	10	23	16	10/15	288	9	15	12	12/15	349	-5	-3	-4
08/15	227	8	17	12	10/16	289	-2	10	3	12/16	350	-8	-5	-7
08/16	228	6	8	7	10/17	290	-3	6	1	12/17	351	-8	-5	-7
08/17	229	6	13	9	10/18	291	0	12	9	12/18	352	-8	-4	-6
08/18	230	12	20	16	10/19	292	-5	8	-1	12/19	353	-4	-1	-2
08/19	231	12	23	18	10/20	293	-6	1	-4	12/20	354	-5	-1	-2
08/20	232	11	18	14	10/21	294	-4	-3	-4	12/21	355	-8	-4	-7
08/21	233	11	22	14	10/22	295	-6	-2	-4	12/22	356	-5	0	-3
08/22	234	12	21	16	10/23	296	-4	-2	-3	12/23	357	0	2	1
08/23	235	10	17	14	10/24	297	-4	-1	-3	12/24	358	-6	2	-4
08/24	236	6	12	9	10/25	298	-2	3	1	12/25	359	-9	-8	-8
08/25	237	4	14	9	10/26	299	-3	0	-2	12/26	360	-12	-8	-9
08/26	238	6	9	7	10/27	300	-3	-2	-3	12/27	361	-8	-1	-4
08/27	239	6	14	9	10/28	301	-6	2	-3	12/28	362	-1	1	0
08/28	240	7	18	12	10/29	302	-4	6	0	12/29	363	-2	0	-1
08/29	241	7	16	11	10/30	303	1	10	6	12/30	364	-6	-2	-3
08/30	242	7	14	10	10/31	304	-1	11	4	12/31	365	-2	6	3
08/31	243	4	9	7										

TABLE 4.5: 1961 Daily air temperature in degrees C
at the HUT using a Weksler thermograph.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	9999	9999	9999	09/01	244	-1	4	1	11/01	305	-11	-2	-7
07/02	183	9999	9999	9999	09/02	245	1	4	2	11/02	306	-11	-2	-7
07/03	184	9999	9999	9999	09/03	246	2	7	4	11/03	307	-8	-2	-6
07/04	185	9999	9999	9999	09/04	247	6	16	10	11/04	308	-9	-2	-6
07/05	186	9999	9999	9999	09/05	248	1	8	4	11/05	309	-3	8	3
07/06	187	9999	9999	9999	09/06	249	0	7	3	11/06	310	0	4	3
07/07	188	9999	9999	9999	09/07	250	2	9	5	11/07	311	1	11	6
07/08	189	9999	9999	9999	09/08	251	3	15	8	11/08	312	7	12	11
07/09	190	9999	9999	9999	09/09	252	6	16	10	11/09	313	0	7	3
07/10	191	9999	9999	9999	09/10	253	6	12	9	11/10	314	-4	1	-2
07/11	192	9999	9999	9999	09/11	254	6	16	9	11/11	315	-7	-4	-6
07/12	193	9999	9999	9999	09/12	255	6	12	9	11/12	316	-7	2	-2
07/13	194	9999	9999	9999	09/13	256	6	12	9	11/13	317	-3	3	1
07/14	195	12	21	14	09/14	257	5	13	8	11/14	318	-10	-3	-7
07/15	196	11	21	16	09/15	258	4	14	7	11/15	319	-10	-4	-8
07/16	197	5	10	7	09/16	259	6	13	8	11/16	320	-4	6	1
07/17	198	4	13	9	09/17	260	4	11	6	11/17	321	-5	5	2
07/18	199	7	18	12	09/18	261	4	8	6	11/18	322	-8	-5	-8
07/19	200	9	20	16	09/19	262	2	9	6	11/19	323	-12	-8	-9
07/20	201	14	22	18	09/20	263	-3	2	-1	11/20	324	-12	-2	-8
07/21	202	11	19	15	09/21	264	-3	6	1	11/21	325	-9	-4	-6
07/22	203	8	19	13	09/22	265	-1	4	1	11/22	326	-9	-3	-7
07/23	204	4	10	8	09/23	266	-1	8	3	11/23	327	-8	-7	-8
07/24	205	4	8	6	09/24	267	2	11	6	11/24	328	-11	-7	-9
07/25	206	6	18	13	09/25	268	-1	4	2	11/25	329	-8	-7	-7
07/26	207	10	19	15	09/26	269	-2	7	2	11/26	330	-8	-1	-4
07/27	208	6	13	10	09/27	270	2	8	6	11/27	331	-1	0	0
07/28	209	4	8	5	09/28	271	-3	4	-1	11/28	332	0	1	0
07/29	210	3	12	8	09/29	272	-6	2	-3	11/29	333	-2	1	-1
07/30	211	6	19	12	09/30	273	-4	3	0	11/30	334	-3	-1	-2
07/31	212	11	21	15	10/01	274	1	10	4	12/01	335	-4	-2	-3
08/01	213	8	21	15	10/02	275	7	12	10	12/02	336	-6	-3	-4
08/02	214	3	26	19	10/03	276	9	16	13	12/03	337	-10	-6	-8
08/03	215	16	27	21	10/04	277	7	13	10	12/04	338	-7	-2	-3
08/04	216	17	24	22	10/05	278	-1	9	4	12/05	339	-10	-7	-8
08/05	217	6	17	11	10/06	279	-4	-1	-3	12/06	340	-10	-8	-9
08/06	218	4	17	11	10/07	280	-4	2	-2	12/07	341	-9	-4	-8
08/07	219	9	19	14	10/08	281	-4	2	-2	12/08	342	-12	-7	-10
08/08	220	8	16	12	10/09	282	-1	3	2	12/09	343	-16	-12	-13
08/09	221	7	18	12	10/10	283	-4	-1	-2	12/10	344	-18	-14	-17
08/10	222	11	22	16	10/11	284	-3	-1	-3	12/11	345	-16	-11	-13
08/11	223	13	22	16	10/12	285	-1	7	3	12/12	346	-12	-8	-11
08/12	224	10	23	18	10/13	286	7	12	10	12/13	347	-8	-3	-6
08/13	225	16	23	19	10/14	287	11	14	12	12/14	348	-6	-3	-4
08/14	226	12	23	18	10/15	288	9	15	13	12/15	349	-7	-4	-5
08/15	227	8	19	13	10/16	289	-3	9	2	12/16	350	-9	-7	-8
08/16	228	5	8	6	10/17	290	-4	2	-1	12/17	351	-11	-6	-9
08/17	229	5	14	9	10/18	291	3	11	8	12/18	352	-10	-4	-7
08/18	230	9	19	11	10/19	292	-6	7	-2	12/19	353	-4	0	-2
08/19	231	14	23	18	10/20	293	-6	-1	-4	12/20	354	-6	-1	-3
08/20	232	12	22	17	10/21	294	-7	-3	-5	12/21	355	-10	-5	-8
08/21	233	13	23	18	10/22	295	-8	-2	-4	12/22	356	-5	1	-2
08/22	234	16	22	18	10/23	296	-6	-2	-4	12/23	357	1	2	1
08/23	235	13	22	17	10/24	297	-6	-2	-4	12/24	358	-10	1	-6
08/24	236	4	15	10	10/25	298	-3	3	0	12/25	359	-11	-9	-10
08/25	237	3	16	9	10/26	299	-5	1	-3	12/26	360	-12	-9	-11
08/26	238	6	11	8	10/27	300	-5	-3	-4	12/27	361	-10	-1	-3
08/27	239	4	12	8	10/28	301	-7	-1	-4	12/28	362	-1	0	0
08/28	240	7	17	13	10/29	302	-2	7	3	12/29	363	-3	0	-1
08/29	241	7	14	11	10/30	303	7	12	9	12/30	364	-4	2	-2
08/30	242	6	14	9	10/31	304	-2	10	6	12/31	365	2	9	6
08/31	243	2	8	4										

TABLE 4.6: 1961 Temperature in degrees C at P-1
on South Cascade Glacier.

DAY	JULY			AUGUST			SEPTEMBER			OCTOBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9999	9999	9999	17	6	11	1	-2	-1	4	-5	1
2	9999	9999	9999	19	8	14	4	-2	1	7	2	5
3	9999	9999	9999	18	9	6	6	1	4	12	6	8
4	9999	9999	9999	18	9	13	12	4	8	16	4	8
5	9999	9999	9999	11	4	8	6	-1	2	4	-5	1
6	9999	9999	9999	16	3	8	7	-2	2	-3	-7	-6
7	9999	9999	9999	17	4	9	8	-2	2	1	-9	-4
8	9999	9999	9999	16	3	9	12	-2	4	-1	-7	-2
9	9999	9999	9999	13	3	8	9	1	4	0	-6	-1
10	9999	9999	9999	10	6	8	9	2	4	-3	-6	-1
11	9999	9999	9999	14	6	11	8	2	4	9999	9999	9999
12	9999	9999	9999	18	7	10	8	2	5	9999	9999	9999
13	9999	9999	9999	13	7	10	7	3	5	9999	9999	9999
14	9999	9999	9999	18	7	11	9	1	5	9999	9999	9999
15	9999	9999	9999	12	6	8	9	0	4	9999	9999	9999
16	9999	9999	9999	6	3	4	8	2	4	9999	9999	9999
17	9999	9999	9999	12	4	7	9	0	4	9999	9999	9999
18	9999	9999	9999	12	7	9	5	1	3	9999	9999	9999
19	14	4	8	18	8	12	7	-1	2	9999	9999	9999
20	16	6	3	14	7	10	1	-8	-3	9999	9999	9999
21	14	6	9	17	8	11	7	-4	-2	9999	9999	9999
22	12	3	8	17	8	12	8	-3	-1	9999	9999	9999
23	12	4	7	16	7	11	7	-6	-1	9999	9999	9999
24	7	2	3	11	3	8	11	-2	3	9999	9999	9999
25	12	6	7	11	2	6	1	-5	-2	9999	9999	9999
26	13	6	9	7	3	4	9	-6	-3	9999	9999	9999
27	11	4	8	12	2	7	4	-2	2	9999	9999	9999
28	6	2	4	12	4	8	0	-6	-3	9999	9999	9999
29	13	1	6	12	5	9	0	-9	-4	9999	9999	9999
30	12	4	8	10	4	7	-1	-6	-3	9999	9999	9999
31	16	6	10	6	1	2				9999	9999	9999

TABLE 4.7: 1961 Temperature in degrees C at TP-7
on South Cascade Glacier.

DAY	JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9999	9999	9999	9999	9999	9999	-1	-3	-2	2	-4	-2	-4	-12	-10
2	9999	9999	9999	9999	9999	9999	-1	-2	-2	9	1	6	-5	-12	-8
3	9999	9999	9999	20	13	17	3	-1	1	9	7	8	-5	-11	-9
4	9999	9999	9999	21	13	18	10	3	6	7	6	6	-8	-11	-9
5	9999	9999	9999	14	2	7	6	-2	1	4	-4	2	0	-8	-4
6	9999	9999	9999	10	2	7	1	-3	-1	-4	-7	-6	-1	-6	-2
7	9999	9999	9999	13	7	10	4	-2	1	-1	-7	-5	9999	9999	9999
8	9999	9999	9999	10	4	7	8	0	4	-1	-7	-4	9999	9999	9999
9	9999	9999	9999	12	4	8	11	4	8	-1	-6	-2	9999	9999	9999
10	9999	9999	9999	19	8	12	7	3	4	-4	-7	-6	9999	9999	9999
11	9999	9999	9999	19	11	14	11	3	6	-5	-7	-7	9999	9999	9999
12	9999	9999	9999	20	12	16	7	1	4	3	-5	-1	9999	9999	9999
13	9999	9999	9999	20	13	16	7	2	4	9	2	6	9999	9999	9999
14	9999	9999	9999	20	9	16	8	2	5	9	5	7	9999	9999	9999
15	9999	9999	9999	15	6	10	9	0	3	9	3	7	9999	9999	9999
16	6	0	2	6	2	4	7	2	4	3	-8	-2	9999	9999	9999
17	8	2	6	13	3	8	4	-1	2	1	-8	-6	9999	9999	9999
18	12	4	9	15	7	11	2	-1	1	9	-1	5	9999	9999	9999
19	16	7	11	21	11	14	2	-1	1	4	-9	-4	9999	9999	9999
20	18	10	13	17	10	13	-1	-6	-3	2	-9	-7	9999	9999	9999
21	11	6	10	17	11	13	-1	-7	-4	-7	-8	-8	9999	9999	9999
22	16	6	11	16	11	13	1	-6	-3	-5	-9	-8	9999	9999	9999
23	7	1	4	19	11	13	4	-5	-2	-4	-8	-6	9999	9999	9999
24	4	-1	2	14	1	9	4	-2	1	-2	-8	-7	9999	9999	9999
25	12	4	8	11	0	6	1	-4	-2	-1	-6	-3	9999	9999	9999
26	9999	9999	9999	6	2	4	0	-5	-2	-2	-7	-6	9999	9999	9999
27	9999	9999	9999	7	0	3	4	-2	1	-6	-7	-6	9999	9999	9999
28	9999	9999	9999	13	4	9	1	-6	-3	-1	-8	-4	9999	9999	9999
29	7	0	4	9	3	7	-4	-7	-6	6	-5	2	9999	9999	9999
30	13	4	8	7	3	6	-2	-7	-4	10	4	7	9999	9999	9999
31	15	8	11	5	-1	2				6	-4	1			

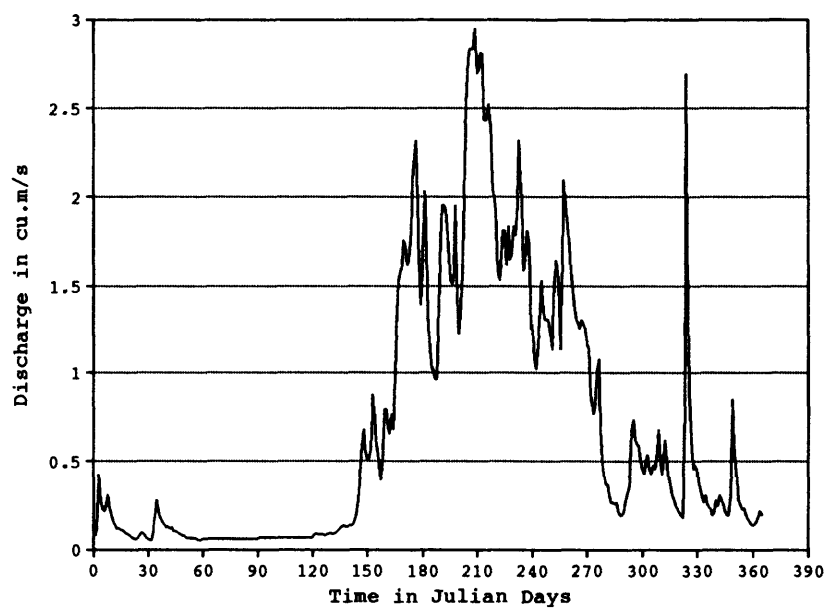
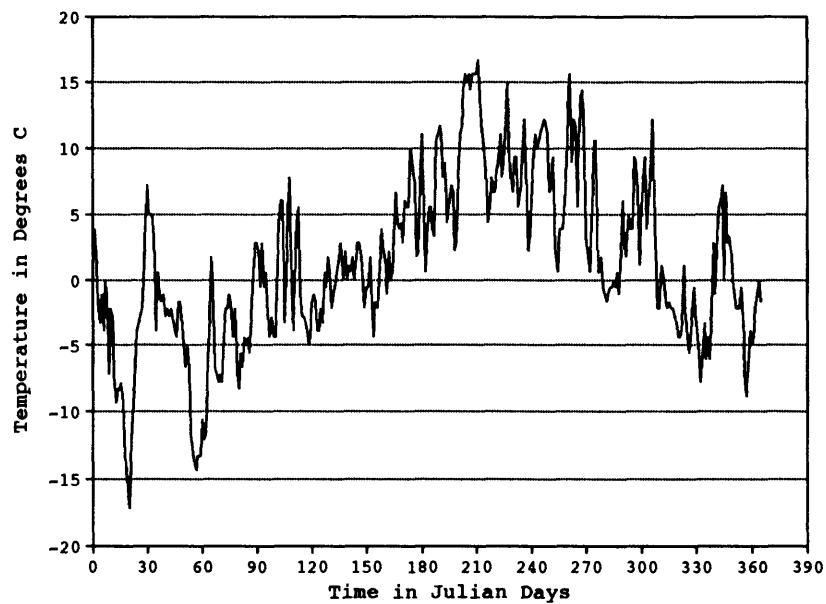


FIGURE 6: 1962 daily mean air temperature and daily mean discharge at the Gaging Station on South Fork Cascade River.

TABLE 5.1: 1962 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.079	0.054	0.057	0.071	0.085	0.57	1.8	2.8	1.4	0.82	0.40	0.27
2	0.11	0.091	0.057	0.071	0.088	0.88	1.3	2.4	1.5	1.0	0.48	0.24
3	0.42	0.20	0.057	0.071	0.085	0.79	1.1	2.4	1.4	1.1	0.45	0.23
4	0.28	0.28	0.057	0.071	0.082	0.62	1.0	2.5	1.3	0.68	0.48	0.19
5	0.23	0.22	0.057	0.071	0.082	0.48	1.0	2.4	1.3	0.51	0.68	0.22
6	0.22	0.18	0.057	0.071	0.082	0.40	0.96	2.1	1.3	0.40	0.51	0.28
7	0.25	0.16	0.057	0.071	0.079	0.45	0.96	2.0	1.2	0.37	0.40	0.25
8	0.28	0.14	0.057	0.071	0.085	0.79	1.4	1.9	1.1	0.34	0.62	0.28
9	0.24	0.12	0.057	0.071	0.091	0.79	1.8	1.6	1.5	0.31	0.51	0.28
10	0.19	0.13	0.057	0.071	0.096	0.71	2.0	1.5	1.6	0.27	0.40	0.25
11	0.16	0.12	0.057	0.071	0.091	0.65	2.0	1.7	1.5	0.27	0.34	0.22
12	0.14	0.12	0.057	0.071	0.091	0.76	1.9	1.8	1.1	0.26	0.31	0.20
13	0.12	0.10	0.057	0.071	0.096	0.68	1.8	1.8	1.5	0.27	0.28	0.20
14	0.12	0.10	0.057	0.071	0.10	0.88	1.5	1.6	2.1	0.22	0.25	0.28
15	0.11	0.099	0.057	0.071	0.11	1.2	1.5	1.8	2.0	0.20	0.23	0.85
16	0.11	0.091	0.057	0.071	0.13	1.5	1.6	1.6	1.8	0.20	0.21	0.59
17	0.10	0.082	0.057	0.071	0.13	1.6	2.0	1.7	1.7	0.21	0.19	0.37
18	0.096	0.079	0.057	0.071	0.13	1.6	1.4	1.8	1.6	0.27	0.18	0.28
19	0.091	0.076	0.057	0.071	0.13	1.8	1.2	1.8	1.5	0.28	0.82	0.25
20	0.079	0.071	0.057	0.071	0.13	1.7	1.4	2.0	1.4	0.37	2.7	0.23
21	0.071	0.065	0.057	0.071	0.13	1.6	1.7	2.3	1.3	0.68	1.3	0.24
22	0.065	0.065	0.057	0.071	0.14	1.6	2.0	2.0	1.3	0.74	0.76	0.20
23	0.059	0.065	0.057	0.071	0.17	1.8	2.5	1.6	1.2	0.62	0.54	0.18
24	0.057	0.062	0.057	0.071	0.20	2.1	2.8	1.6	1.3	0.59	0.42	0.16
25	0.074	0.062	0.057	0.071	0.28	2.3	2.8	1.8	1.3	0.59	0.45	0.15
26	0.093	0.057	0.057	0.071	0.42	2.2	2.8	1.8	1.2	0.51	0.42	0.14
27	0.093	0.051	0.057	0.071	0.59	1.6	2.8	1.2	1.2	0.45	0.37	0.14
28	0.082	0.051	0.057	0.071	0.68	1.4	2.9	1.3	1.1	0.42	0.28	0.16
29	0.068		0.057	0.071	0.57	1.7	2.7	1.1	0.88	0.51	0.27	0.18
30	0.059		0.057	0.071	0.48	2.0	2.7	1.0	0.76	0.54	0.28	0.22
31	0.054		0.057		0.48		2.8	1.2		0.42		0.20
TOTAL	4.2	3.0	1.8	2.1	6.2	37	58	56	41	15	16	8.0
MEAN	0.14	0.11	0.057	0.071	0.20	1.2	1.9	1.8	1.4	0.47	0.53	0.26
MAX	0.42	0.28	0.057	0.071	0.68	2.3	2.9	2.8	2.1	1.1	2.7	0.85
MIN	0.054	0.051	0.057	0.071	0.079	0.40	0.96	1.0	0.76	0.20	0.18	0.14

TABLE 5.2: 1962 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	0.037	0.068	0.065	0.020	0.0028	9999	9999	9999
2	9999	9999	9999	9999	0.040	0.11	0.054	0.020	0.0028	9999	9999	9999
3	9999	9999	9999	9999	0.042	0.068	0.059	0.028	0.0028	9999	9999	9999
4	9999	9999	9999	9999	0.040	0.051	0.051	0.031	0.0028	9999	9999	9999
5	9999	9999	9999	9999	0.037	0.048	0.065	0.031	0.00	9999	9999	9999
6	9999	9999	9999	9999	0.034	0.045	0.051	0.028	0.00	9999	9999	9999
7	9999	9999	9999	9999	0.031	0.076	0.074	0.028	0.00	9999	9999	9999
8	9999	9999	9999	9999	0.031	0.085	0.091	0.020	0.00	9999	9999	9999
9	9999	9999	9999	9999	0.034	0.082	0.093	0.011	0.00	9999	9999	9999
10	9999	9999	9999	9999	0.040	0.068	0.085	0.0085	0.0085	9999	9999	9999
11	9999	9999	9999	9999	0.040	0.074	0.082	0.0057	0.023	9999	9999	9999
12	9999	9999	9999	9999	0.037	0.076	0.076	0.0057	0.0085	9999	9999	9999
13	9999	9999	9999	9999	0.037	0.085	0.059	0.0057	0.028	9999	9999	9999
14	9999	9999	9999	9999	0.037	0.10	0.051	0.0057	0.020	9999	9999	9999
15	9999	9999	9999	9999	0.037	0.12	0.051	0.0028	0.0057	9999	9999	9999
16	9999	9999	9999	9999	0.037	0.11	0.051	0.0028	0.0028	9999	9999	9999
17	9999	9999	9999	9999	0.045	0.093	0.054	0.0028	0.0028	9999	9999	9999
18	9999	9999	9999	9999	0.045	0.10	0.042	0.0085	0.0028	9999	9999	9999
19	9999	9999	9999	9999	0.042	0.099	0.045	0.0057	0.0028	9999	9999	9999
20	9999	9999	9999	9999	0.037	0.099	0.048	0.0057	0.0028	9999	9999	9999
21	9999	9999	9999	9999	0.040	0.099	0.048	0.0085	0.00	9999	9999	9999
22	9999	9999	9999	9999	0.054	0.10	0.048	0.0057	0.00	9999	9999	9999
23	9999	9999	9999	9999	0.059	0.12	0.051	0.0028	0.00	9999	9999	9999
24	9999	9999	9999	9999	0.059	0.13	0.051	0.0028	0.00	9999	9999	9999
25	9999	9999	9999	9999	0.082	0.12	0.045	0.0028	0.00	9999	9999	9999
26	9999	9999	9999	9999	0.093	0.085	0.042	0.011	0.00	9999	9999	9999
27	9999	9999	9999	9999	0.091	0.074	0.040	0.0085	0.00	9999	9999	9999
28	9999	9999	9999	9999	0.099	0.076	0.034	0.014	0.00	9999	9999	9999
29	9999		9999	9999	0.074	0.11	0.031	0.0057	0.00	9999	9999	9999
30	9999		9999	9999	0.054	0.085	0.028	0.0028	0.00	9999	9999	9999
31	9999		9999		0.054		0.023	0.0028		9999		9999
TOTAL					1.5	2.7	1.7	0.35	0.12			
MEAN					0.049	0.089	0.055	0.011	0.0040			
MAX					0.099	0.13	0.093	0.031	0.028			
MIN					0.031	0.045	0.023	0.0028	0.00			

TABLE 5.3: 1962 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and '*'s indicate missing data.

DATE		TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER	
			MAX	MIN	CURR				DIR	SPEED		
			SLO	SLO								RUN
			SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	
JUN	14	700	13	9999	5	4.4	6.7	73	E	9999	9999	3
	15	700	11	5	8	6.1	9.2	66	W	9999	9999	0
	16	700	16	-3	5	3.3	3.6	96	E	9999	9999	10
	17	725	11	1	3	2.8	4.4	78	E	340.2	14.0	10
	18	800	8	0	1	1.1	2.8	77	NE	118.3	4.8	10
	19	800	13	0	10	3.3	7.2	55	C	100.6	4.2	0
JUL	20	700	12	3	7	4.4	7.8	62	E	123.1	5.3	0
	8	600	18	-3	12	9.4	13.3	63	W	3323.1	7.7	6
	9	630	13	6	8	8.3	10.0	82	NW	150.6	6.1	8
	10	1815	12	5	11	7.8	10.6	71	W	130.8	3.7	4
AUG	11	1800	14	5	12	8.9	13.3	58	W	130.7	5.5	0
	11	1800	27	-2	11	10.6	16.1	52	W	5329.0	7.2	1
	12	1930	7	5	6	6.1	8.1	77	NW	144.5	5.6	10
	13	1900	16	2	8	6.1	9.4	64	S	130.5	5.6	9
	14	1830	19	8	17	8.3	17.8	28	W	112.2	4.8	0
	15	1840	9999	12	17	11.1	17.8	46	N	401.7	16.6	1
	16	1900	21	7	7	6.1	8.3	74	***	178.5	7.3	10
	17	1930	9999	3	4	5.6	6.1	93	W	233.8	9.5	8
	18	1900	9999	3	9999	5.0	5.6	93	NW	175.6	7.5	10
	19	1845	9999	4	9	8.9	10.6	82	SE	134.7	5.6	9
	20	1900	12	7	9	9999	9999	9999	SW	155.3	6.4	10
	21	1800	9999	2	3	9999	9999	9999	W	230.1	10.0	10
	22	1920	11	1	8	6.7	8.9	75	NW	171.6	6.8	7
	23	1830	14	6	12	8.3	11.7	66	NW	120.5	5.1	0
SEPT	24	1840	17	9	14	10.6	15.6	56	W	124.4	5.1	0
	5	1805	20	4	16	10.0	16.7	45	NW	2616.6	9.2	0
	6	1835	16	10	11	7.2	11.7	56	W	213.6	8.7	8
	7	1915	11	3	7	0.6	6.7	30	S	247.4	10.0	0
	8	1900	13	2	10	3.9	10.6	34	C	190.9	8.0	0
	9	1945	14	8	8	5.6	8.9	63	NE	101.4	4.2	10
	10	1835	9	0	0	9999	9999	9999	***	160.1	7.1	10
	11	1820	0	-2	-1	9999	9999	9999	C	276.0	11.6	10
	12	1910	7	-3	4	1.1	5.0	51	SE	182.0	7.4	10
	13	1815	5	0	5	9999	9999	9999	SE	488.0	21.2	10
	21	1900	21	6	13	9999	9999	9999	***	1289.1	6.8	0
	22	1800	13	4	6	9999	9999	9999	W	80.1	3.5	10
	23	1835	16	9999	13	9999	9999	9999	C	363.4	14.8	1
	24	1830	16	10	14	9999	9999	9999	SE	507.1	21.1	*
26	1830	18	10	10	9999	9999	9999	E	669.3	14.0	10	
27	1805	6	2	2	9999	9999	9999	NW	180.2	7.7	10	

TABLE 5.4: 1962 Precipitation at the GAGING STATION in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	9999	9999	9999	3	0	14
2	9999	9999	9999	9999	9999	9999	9999	9999	9999	5	0	14
3	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	0	7
4	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	12	7
5	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	0	24
6	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	6	6
7	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	8	3
8	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9	0
9	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	12	0
10	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	14	0
11	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	11	8
12	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	8	0
13	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	2	0
14	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	2	27
15	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	26
16	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	0
17	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	3	2
18	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	11	0
19	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	123	5
20	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	12	6
21	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9	11
22	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	6	0
23	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	0
24	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9	0
25	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	27	0
26	9999	9999	9999	9999	9999	9999	9999	9999	9999	2	5	8
27	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	6	5
28	9999	9999	9999	9999	9999	9999	9999	9999	9999	0	2	20
29	9999		9999	9999	9999	9999	9999	9999	9999	0	7	5
30	9999		9999	9999	9999	9999	9999	9999	9999	0	28	12
31	9999		9999		9999		9999	9999		0		9

TABLE 5.5a: 1962 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	2	7	4	03/01	60	-13	-7	-11	05/01	121	-3	0	-1
01/02	2	1	3	2	03/02	61	-13	-11	-12	05/02	122	-3	3	-2
01/03	3	-4	1	-2	03/03	62	-13	-11	-12	05/03	123	-7	0	-4
01/04	4	-7	0	-3	03/04	63	-11	-4	-6	05/04	124	-7	5	-4
01/05	5	-6	2	-1	03/05	64	-4	-1	-3	05/05	125	-7	7	-2
01/06	6	-6	-1	-4	03/06	65	-3	11	2	05/06	126	-5	1	-3
01/07	7	-1	1	0	03/07	66	-5	7	-1	05/07	127	-9	12	1
01/08	8	-4	1	-1	03/08	67	-10	-4	-7	05/08	128	-3	1	-1
01/09	9	-9	-4	-7	03/09	68	-11	-3	-7	05/09	129	-2	9	2
01/10	10	-9	1	-2	03/10	69	-11	-2	-8	05/10	130	-2	12	1
01/11	11	-7	1	-3	03/11	70	-12	3	-7	05/11	131	-3	5	-2
01/12	12	-11	-5	-7	03/12	71	-14	2	-8	05/12	132	-3	4	-1
01/13	13	-12	-7	-9	03/13	72	-10	2	-4	05/13	133	-3	7	-1
01/14	14	-9	-7	-8	03/14	73	-6	3	-2	05/14	134	-3	9	1
01/15	15	-9	-8	-8	03/15	74	-5	1	-2	05/15	135	-3	9	2
01/16	16	-9	-7	-8	03/16	75	-3	2	-1	05/16	136	-2	11	3
01/17	17	-13	-6	-9	03/17	76	-6	8	-2	05/17	137	-2	4	0
01/18	18	-13	-13	-13	03/18	77	-7	-2	-4	05/18	138	-1	3	2
01/19	19	-18	-13	-15	03/19	78	-8	9	-2	05/19	139	-4	9	0
01/20	20	-19	-16	-17	03/20	79	-10	-5	-7	05/20	140	-3	9	1
01/21	21	-17	-6	-12	03/21	80	-11	-6	-8	05/21	141	-3	8	1
01/22	22	-12	-2	-9	03/22	81	-7	-1	-6	05/22	142	-3	7	2
01/23	23	-11	-4	-8	03/23	82	-7	-6	-7	05/23	143	-2	3	0
01/24	24	-6	-2	-4	03/24	83	-6	-3	-4	05/24	144	-2	8	1
01/25	25	-4	-3	-3	03/25	84	-7	-3	-5	05/25	145	-2	10	3
01/26	26	-4	-2	-3	03/26	85	-6	-1	-4	05/26	146	-2	9	3
01/27	27	-3	-2	-2	03/27	86	-10	-2	-6	05/27	147	-1	6	2
01/28	28	-3	4	0	03/28	87	-11	6	-3	05/28	148	-3	3	-1
01/29	29	1	8	4	03/29	88	-2	4	1	05/29	149	-6	5	-2
01/30	30	5	11	7	03/30	89	-1	8	3	05/30	150	-7	8	-1
01/31	31	2	9	5	03/31	90	-2	10	3	05/31	151	-3	3	-1
02/01	32	2	6	5	04/01	91	-3	11	2	06/01	152	-3	7	2
02/02	33	3	6	5	04/02	92	-5	9	-1	06/02	153	-6	3	-2
02/03	34	1	4	3	04/03	93	-5	10	3	06/03	154	-7	1	-4
02/04	35	-6	-2	-4	04/04	94	-3	4	-1	06/04	155	-7	7	-2
02/05	36	-4	6	1	04/05	95	-6	8	1	06/05	156	-4	6	-2
02/06	37	-3	2	-1	04/06	96	-5	1	-2	06/06	157	-6	8	1
02/07	38	-4	1	-2	04/07	97	-6	-2	-4	06/07	158	-1	8	4
02/08	39	-3	2	-1	04/08	98	-8	2	-3	06/08	159	-1	4	2
02/09	40	-4	-2	-3	04/09	99	-6	-3	-4	06/09	160	-2	7	1
02/10	41	-4	0	-2	04/10	100	-9	0	-4	06/10	161	-4	3	-1
02/11	42	-6	2	-3	04/11	101	-7	9	1	06/11	162	-3	8	2
02/12	43	-4	2	-2	04/12	102	1	11	4	06/12	163	-3	6	0
02/13	44	-4	-2	-3	04/13	103	2	9	6	06/13	164	-3	7	1
02/14	45	-4	-3	-4	04/14	104	-1	12	6	06/14	165	-1	7	3
02/15	46	-4	-4	-4	04/15	105	-6	-1	-3	06/15	166	2	12	7
02/16	47	-4	4	-2	04/16	106	-7	4	0	06/16	167	1	9	4
02/17	48	-6	4	-2	04/17	107	2	12	6	06/17	168	1	9	4
02/18	49	-7	2	-3	04/18	108	3	12	8	06/18	169	1	9	4
02/19	50	-8	-2	-5	04/19	109	-4	3	-1	06/19	170	1	11	3
02/20	51	-13	1	-7	04/20	110	-5	-1	-4	06/20	171	2	11	6
02/21	52	-11	2	-5	04/21	111	-3	10	2	06/21	172	2	11	6
02/22	53	-9	-5	-7	04/22	112	1	8	4	06/22	173	3	12	6
02/23	54	-13	-9	-12	04/23	113	3	11	6	06/23	174	5	13	10
02/24	55	-17	-6	-13	04/24	114	-4	7	-1	06/24	175	6	14	9
02/25	56	-18	-8	-14	04/25	115	-5	2	-3	06/25	176	2	12	7
02/26	57	-18	-7	-14	04/26	116	-5	2	-3	06/26	177	0	5	2
02/27	58	-17	-8	-13	04/27	117	-7	-1	-4	06/27	178	1	4	2
02/28	59	-14	-13	-13	04/28	118	-7	-3	-5	06/28	179	2	11	7
					04/29	119	-6	-1	-4	06/29	180	4	16	11
					04/30	120	-5	6	-2	06/30	181	2	12	6

TABLE 5.5b: 1962 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	-2	2	1	09/01	244	7	16	11	11/01	305	6	13	8
07/02	183	-2	11	3	09/02	245	6	16	11	11/02	306	7	14	12
07/03	184	2	12	6	09/03	246	9	15	12	11/03	307	6	13	7
07/04	185	3	8	6	09/04	247	10	15	12	11/04	308	-1	6	2
07/05	186	2	7	4	09/05	248	8	18	12	11/05	309	-3	-1	-2
07/06	187	2	7	3	09/06	249	7	15	11	11/06	310	-3	3	-2
07/07	188	3	13	11	09/07	250	3	9	7	11/07	311	0	6	1
07/08	189	7	16	11	09/08	251	3	13	7	11/08	312	-1	2	0
07/09	190	7	17	12	09/09	252	7	14	9	11/09	313	-3	2	-2
07/10	191	6	16	11	09/10	253	1	4	2	11/10	314	-3	-2	-2
07/11	192	6	9	8	09/11	254	0	1	1	11/11	315	-3	-1	-2
07/12	193	4	14	9	09/12	255	-1	9	4	11/12	316	-4	-2	-2
07/13	194	4	5	4	09/13	256	2	6	4	11/13	317	-4	-1	-2
07/14	195	3	11	6	09/14	257	2	5	4	11/14	318	-4	-2	-3
07/15	196	4	11	7	09/15	258	2	11	6	11/15	319	-6	-2	-3
07/16	197	3	10	7	09/16	259	4	14	9	11/16	320	-7	-1	-4
07/17	198	1	4	2	09/17	260	9	18	14	11/17	321	-6	-3	-4
07/18	199	2	7	3	09/18	261	8	21	16	11/18	322	-6	-1	-3
07/19	200	4	14	8	09/19	262	5	13	9	11/19	323	-2	3	1
07/20	201	7	16	11	09/20	263	9	16	12	11/20	324	-3	1	-2
07/21	202	7	16	12	09/21	264	5	16	12	11/21	325	-6	-3	-4
07/22	203	8	18	14	09/22	265	4	8	6	11/22	326	-8	-4	-6
07/23	204	10	19	16	09/23	266	4	17	11	11/23	327	-8	-2	-4
07/24	205	11	21	15	09/24	267	12	18	14	11/24	328	-3	1	-2
07/25	206	10	22	16	09/25	268	9	17	14	11/25	329	-3	2	-1
07/26	207	11	18	14	09/26	269	4	14	9	11/26	330	-4	-2	-3
07/27	208	11	23	16	09/27	270	2	6	3	11/27	331	-7	-4	-5
07/28	209	11	19	16	09/28	271	-1	3	2	11/28	332	-11	-7	-8
07/29	210	9	21	16	09/29	272	-1	4	1	11/29	333	-7	-3	-6
07/30	211	12	22	17	09/30	273	4	9	6	11/30	334	-7	-2	-3
07/31	212	10	19	15	10/01	274	5	13	11	12/01	335	-8	-3	-6
08/01	213	8	16	12	10/02	275	0	13	11	12/02	336	-6	-3	-4
08/02	214	7	14	11	10/03	276	-1	1	1	12/03	337	-8	-4	-6
08/03	215	5	11	8	10/04	277	-2	2	1	12/04	338	-7	3	-2
08/04	216	3	6	4	10/05	278	-2	7	2	12/05	339	-1	5	3
08/05	217	5	6	6	10/06	279	-2	1	-1	12/06	340	-2	0	-1
08/06	218	6	11	8	10/07	280	-2	-1	-1	12/07	341	-1	4	2
08/07	219	6	8	7	10/08	281	-2	-1	-2	12/08	342	2	8	6
08/08	220	5	8	7	10/09	282	-2	-1	-1	12/09	343	5	9	6
08/09	221	5	12	8	10/10	283	-3	1	-1	12/10	344	5	10	7
08/10	222	5	14	9	10/11	284	-1	0	-1	12/11	345	9999	9999	9999
08/11	223	7	15	11	10/12	285	-1	3	0	12/12	346	3	9	7
08/12	224	7	8	8	10/13	286	-2	2	-1	12/13	347	1	4	3
08/13	225	3	13	9	10/14	287	-2	3	1	12/14	348	3	7	3
08/14	226	8	16	12	10/15	288	-2	2	-1	12/15	349	-1	4	2
08/15	227	10	19	15	10/16	289	-3	9	2	12/16	350	-2	4	0
08/16	228	8	13	10	10/17	290	2	11	6	12/17	351	-4	-1	-2
08/17	229	5	9	8	10/18	291	1	4	3	12/18	352	-4	0	-2
08/18	230	6	8	7	10/19	292	-1	5	2	12/19	353	-4	-1	-2
08/19	231	7	14	9	10/20	293	3	6	5	12/20	354	-4	2	-1
08/20	232	8	12	9	10/21	294	3	5	4	12/21	355	-7	2	-3
08/21	233	4	8	6	10/22	295	3	11	4	12/22	356	-8	-6	-7
08/22	234	3	12	7	10/23	296	4	13	9	12/23	357	-11	-7	-9
08/23	235	5	14	9	10/24	297	7	10	9	12/24	358	-11	-3	-7
08/24	236	8	17	12	10/25	298	2	13	7	12/25	359	-7	-2	-4
08/25	237	4	12	8	10/26	299	0	4	1	12/26	360	-6	-3	-5
08/26	238	1	4	2	10/27	300	3	14	6	12/27	361	-5	-3	-4
08/27	239	3	4	3	10/28	301	5	13	8	12/28	362	-3	-2	-2
08/28	240	3	11	6	10/29	302	7	13	9	12/29	363	-2	-1	-1
08/29	241	6	13	9	10/30	303	3	9	4	12/30	364	-1	0	0
08/30	242	6	16	11	10/31	304	3	12	6	12/31	365	-2	-1	-2
08/31	243	7	16	10										

TABLE 5.6a: 1962 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	2	9	7	03/01	60	9999	9999	9999	05/01	121	-3	0	-1
01/02	2	1	3	2	03/02	61	9999	9999	9999	05/02	122	-4	0	-3
01/03	3	9999	9999	9999	03/03	62	9999	9999	9999	05/03	123	-8	0	-4
01/04	4	9999	9999	9999	03/04	63	9999	9999	9999	05/04	124	-8	1	-4
01/05	5	9999	9999	9999	03/05	64	9999	9999	9999	05/05	125	-6	3	-2
01/06	6	9999	9999	9999	03/06	65	9999	9999	9999	05/06	126	-5	0	-3
01/07	7	9999	9999	9999	03/07	66	9999	9999	9999	05/07	127	-7	7	0
01/08	8	9999	9999	9999	03/08	67	9999	9999	9999	05/08	128	-2	2	0
01/09	9	9999	9999	9999	03/09	68	9999	9999	9999	05/09	129	-1	5	2
01/10	10	9999	9999	9999	03/10	69	9999	9999	9999	05/10	130	-2	7	1
01/11	11	9999	9999	9999	03/11	70	9999	9999	9999	05/11	131	-3	2	-1
01/12	12	9999	9999	9999	03/12	71	9999	9999	9999	05/12	132	-3	2	-1
01/13	13	9999	9999	9999	03/13	72	9999	9999	9999	05/13	133	-3	2	-1
01/14	14	9999	9999	9999	03/14	73	9999	9999	9999	05/14	134	-3	4	-1
01/15	15	9999	9999	9999	03/15	74	9999	9999	9999	05/15	135	-3	5	0
01/16	16	9999	9999	9999	03/16	75	9999	9999	9999	05/16	136	-1	7	3
01/17	17	9999	9999	9999	03/17	76	9999	9999	9999	05/17	137	-1	3	1
01/18	18	9999	9999	9999	03/18	77	9999	9999	9999	05/18	138	-3	-1	-2
01/19	19	9999	9999	9999	03/19	78	9999	9999	9999	05/19	139	-4	3	-1
01/20	20	9999	9999	9999	03/20	79	9999	9999	9999	05/20	140	-1	2	0
01/21	21	9999	9999	9999	03/21	80	9999	9999	9999	05/21	141	-1	8	1
01/22	22	9999	9999	9999	03/22	81	9999	9999	9999	05/22	142	1	8	4
01/23	23	9999	9999	9999	03/23	82	9999	9999	9999	05/23	143	1	4	2
01/24	24	9999	9999	9999	03/24	83	9999	9999	9999	05/24	144	0	7	2
01/25	25	9999	9999	9999	03/25	84	9999	9999	9999	05/25	145	2	11	6
01/26	26	9999	9999	9999	03/26	85	9999	9999	9999	05/26	146	2	11	6
01/27	27	9999	9999	9999	03/27	86	-9	-5	-8	05/27	147	3	8	4
01/28	28	9999	9999	9999	03/28	87	-9	6	-2	05/28	148	-1	3	1
01/29	29	9999	9999	9999	03/29	88	-2	4	1	05/29	149	-3	1	-1
01/30	30	9999	9999	9999	03/30	89	0	9	4	05/30	150	-4	6	0
01/31	31	9999	9999	9999	03/31	90	3	10	6	05/31	151	-1	3	0
02/01	32	9999	9999	9999	04/01	91	-1	9	3	06/01	152	-1	8	3
02/02	33	9999	9999	9999	04/02	92	-4	6	1	06/02	153	-4	6	0
02/03	34	9999	9999	9999	04/03	93	3	10	5	06/03	154	-5	0	-3
02/04	35	9999	9999	9999	04/04	94	-4	3	0	06/04	155	-4	3	-2
02/05	36	9999	9999	9999	04/05	95	-4	5	1	06/05	156	-2	3	0
02/06	37	9999	9999	9999	04/06	96	-5	1	-3	06/06	157	-3	8	3
02/07	38	9999	9999	9999	04/07	97	-7	-4	-5	06/07	158	-2	13	9
02/08	39	9999	9999	9999	04/08	98	-7	2	-3	06/08	159	3	9	6
02/09	40	9999	9999	9999	04/09	99	-5	-3	-4	06/09	160	-1	5	2
02/10	41	9999	9999	9999	04/10	100	-7	0	-4	06/10	161	-2	4	1
02/11	42	9999	9999	9999	04/11	101	-6	8	2	06/11	162	0	10	4
02/12	43	9999	9999	9999	04/12	102	3	9	6	06/12	163	0	6	2
02/13	44	9999	9999	9999	04/13	103	3	10	7	06/13	164	0	10	4
02/14	45	9999	9999	9999	04/14	104	0	11	7	06/14	165	4	12	8
02/15	46	9999	9999	9999	04/15	105	-5	0	-3	06/15	166	6	12	9
02/16	47	9999	9999	9999	04/16	106	-6	4	0	06/16	167	3	12	7
02/17	48	9999	9999	9999	04/17	107	2	11	7	06/17	168	3	8	4
02/18	49	9999	9999	9999	04/18	108	6	12	10	06/18	169	1	11	5
02/19	50	9999	9999	9999	04/19	109	-3	6	1	06/19	170	5	12	9
02/20	51	9999	9999	9999	04/20	110	-4	0	-2	06/20	171	4	10	8
02/21	52	9999	9999	9999	04/21	111	-1	4	1	06/21	172	4	11	8
02/22	53	9999	9999	9999	04/22	112	3	9	5	06/22	173	9	13	13
02/23	54	9999	9999	9999	04/23	113	4	13	8	06/23	174	10	19	14
02/24	55	9999	9999	9999	04/24	114	-4	9	1	06/24	175	11	17	14
02/25	56	9999	9999	9999	04/25	115	-4	0	-3	06/25	176	1	16	9
02/26	57	9999	9999	9999	04/26	116	-5	0	-3	06/26	177	-1	3	1
02/27	58	9999	9999	9999	04/27	117	-8	0	-4	06/27	178	0	4	1
02/28	59	9999	9999	9999	04/28	118	-8	-4	-6	06/28	179	3	15	8
					04/29	119	-7	-4	-5	06/29	180	5	16	11
					04/30	120	-6	2	-3	06/30	181	1	8	5

TABLE 5.6b: 1962 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN
07/01	182	-3	1	-1	09/01	244	8	14	11	11/01	305	12	16	14
07/02	183	-3	8	1	09/02	245	7	15	11	11/02	306	12	15	14
07/03	184	1	8	5	09/03	246	8	17	11	11/03	307	8	13	11
07/04	185	2	7	4	09/04	247	10	20	14	11/04	308	-2	8	3
07/05	186	1	4	2	09/05	248	11	18	15	11/05	309	-3	-2	-3
07/06	187	1	7	2	09/06	249	7	14	12	11/06	310	-3	2	-2
07/07	188	7	15	11	09/07	250	3	10	6	11/07	311	1	6	3
07/08	189	8	16	13	09/08	251	3	14	8	11/08	312	-2	2	-1
07/09	190	7	12	9	09/09	252	3	14	10	11/09	313	-4	0	-2
07/10	191	6	12	9	09/10	253	-1	3	1	11/10	314	-3	-2	-2
07/11	192	7	14	10	09/11	254	-2	0	-1	11/11	315	-3	0	-3
07/12	193	3	9	7	09/12	255	-3	8	1	11/12	316	-4	0	-3
07/13	194	3	4	3	09/13	256	-1	5	3	11/13	317	-5	-2	-4
07/14	195	2	7	4	09/14	257	0	3	2	11/14	318	-6	-3	-4
07/15	196	3	8	5	09/15	258	0	9	4	11/15	319	-7	-3	-5
07/16	197	2	9	4	09/16	259	7	15	11	11/16	320	-7	-2	-6
07/17	198	-2	2	-1	09/17	260	13	17	14	11/17	321	-7	-5	-6
07/18	199	0	4	1	09/18	261	10	21	15	11/18	322	-7	-1	-4
07/19	200	1	11	6	09/19	262	5	16	12	11/19	323	-3	4	1
07/20	201	8	13	10	09/20	263	13	18	15	11/20	324	-5	0	-3
07/21	202	8	20	14	09/21	264	7	19	14	11/21	325	-7	-5	-6
07/22	203	13	20	17	09/22	265	4	10	6	11/22	326	-8	-6	-7
07/23	204	15	23	18	09/23	266	4	17	13	11/23	327	-8	-1	-5
07/24	205	15	21	18	09/24	267	11	16	13	11/24	328	-4	0	-2
07/25	206	14	20	17	09/25	268	13	18	15	11/25	329	-4	0	-2
07/26	207	14	21	17	09/26	269	8	16	12	11/26	330	-6	-3	-6
07/27	208	15	21	18	09/27	270	1	8	4	11/27	331	-9	-6	-8
07/28	209	13	19	16	09/28	271	-1	3	0	11/28	332	-11	-9	-10
07/29	210	12	20	16	09/29	272	-1	4	1	11/29	333	-11	-4	-8
07/30	211	14	22	18	09/30	273	3	10	5	11/30	334	-9	-4	-6
07/31	212	12	20	17	10/01	274	9	13	11	12/01	335	-10	-4	-8
08/01	213	9	17	13	10/02	275	0	13	9	12/02	336	-9	-5	-7
08/02	214	7	14	10	10/03	276	-1	0	0	12/03	337	-11	-8	-9
08/03	215	3	15	7	10/04	277	-3	0	-1	12/04	338	-8	2	-3
08/04	216	2	4	3	10/05	278	-4	4	1	12/05	339	-1	4	3
08/05	217	4	5	4	10/06	279	-3	1	-1	12/06	340	-3	0	-3
08/06	218	5	10	7	10/07	280	-3	0	-2	12/07	341	-4	4	-3
08/07	219	4	7	6	10/08	281	-2	-1	-2	12/08	342	3	12	8
08/08	220	3	8	6	10/09	282	-3	-1	-1	12/09	343	7	12	10
08/09	221	6	10	8	10/10	283	-3	0	-2	12/10	344	7	11	9
08/10	222	5	15	9	10/11	284	-2	0	-1	12/11	345	6	11	8
08/11	223	9	18	12	10/12	285	-2	3	-1	12/12	346	4	9	6
08/12	224	5	11	7	10/13	286	-3	1	-1	12/13	347	1	3	2
08/13	225	3	12	8	10/14	287	-3	0	-1	12/14	348	1	6	3
08/14	226	11	20	15	10/15	288	-3	-1	-3	12/15	349	-2	4	0
08/15	227	13	21	16	10/16	289	-3	7	3	12/16	350	-2	0	-1
08/16	228	6	16	10	10/17	290	4	10	7	12/17	351	-5	2	-3
08/17	229	4	7	5	10/18	291	2	4	3	12/18	352	-5	-2	-4
08/18	230	4	7	5	10/19	292	1	6	3	12/19	353	-5	-2	-3
08/19	231	5	12	5	10/20	293	3	7	6	12/20	354	-4	1	-1
08/20	232	7	10	9	10/21	294	2	4	3	12/21	355	-7	1	-4
08/21	233	2	7	3	10/22	295	3	7	4	12/22	356	-8	-3	-8
08/22	234	1	10	6	10/23	296	7	14	11	12/23	357	-13	-8	-11
08/23	235	6	14	10	10/24	297	7	10	8	12/24	358	-10	-1	-5
08/24	236	9	17	13	10/25	298	4	15	10	12/25	359	-6	-1	-4
08/25	237	4	11	8	10/26	299	0	6	3	12/26	360	-8	0	-4
08/26	238	0	4	1	10/27	300	6	13	10	12/27	361	-6	-4	-5
08/27	239	1	3	2	10/28	301	8	15	12	12/28	362	-5	-3	-4
08/28	240	1	9	4	10/29	302	10	15	13	12/29	363	-3	-1	-2
08/29	241	5	13	8	10/30	303	4	10	6	12/30	364	-2	0	-1
08/30	242	9	14	11	10/31	304	7	13	11	12/31	365	-4	-2	-2
08/31	243	9	15	11										

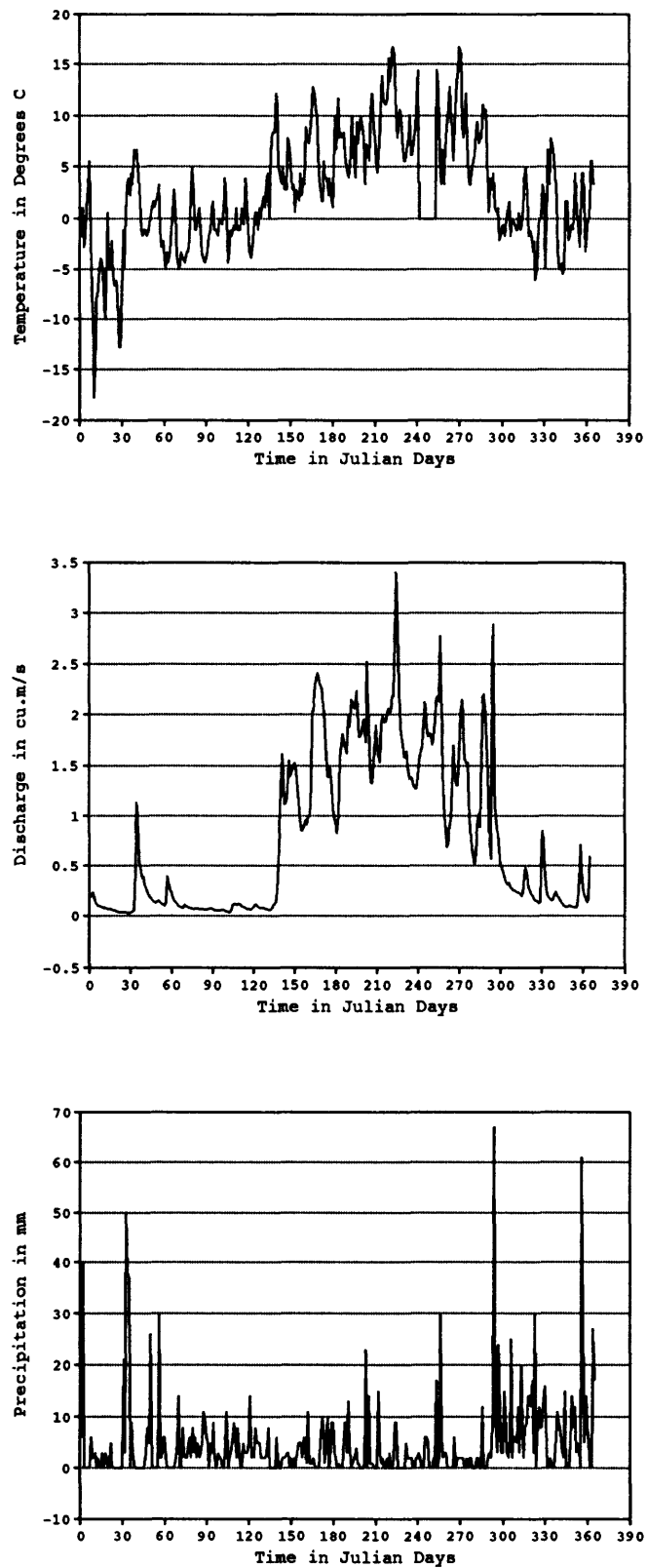


FIGURE 7: 1963 daily mean air temperature, daily mean discharge and daily precipitation at the Gaging Station on South Fork Cascade River.

TABLE 6.1: 1963 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.18	0.045	0.22	0.062	0.11	1.3	0.99	1.9	1.9	1.6	0.31	0.18
2	0.19	0.054	0.18	0.057	0.11	1.1	1.6	2.0	2.1	1.5	0.34	0.16
3	0.24	0.45	0.15	0.054	0.096	0.96	1.7	1.9	1.9	1.5	0.28	0.16
4	0.18	1.1	0.14	0.057	0.085	0.85	1.8	1.9	1.8	1.1	0.28	0.16
5	0.14	1.0	0.12	0.057	0.085	0.85	1.7	2.0	1.8	0.85	0.25	0.20
6	0.12	0.51	0.10	0.057	0.085	0.91	1.7	2.1	1.8	0.68	0.25	0.24
7	0.10	0.42	0.096	0.062	0.079	0.96	1.6	2.0	1.7	0.57	0.24	0.20
8	0.10	0.37	0.088	0.059	0.076	0.91	2.0	2.0	1.8	0.51	0.24	0.18
9	0.096	0.37	0.085	0.054	0.071	0.99	1.9	2.2	1.9	0.62	0.24	0.16
10	0.091	0.31	0.085	0.045	0.065	0.99	2.2	2.2	2.1	0.91	0.22	0.13
11	0.085	0.26	0.11	0.045	0.062	1.3	2.1	2.7	2.2	1.0	0.19	0.12
12	0.082	0.22	0.10	0.040	0.062	2.0	2.1	3.4	2.1	0.88	0.23	0.10
13	0.076	0.20	0.091	0.040	0.062	2.0	2.1	2.8	2.8	1.6	0.40	0.093
14	0.068	0.18	0.085	0.057	0.076	2.3	2.2	2.3	2.1	2.2	0.48	0.091
15	0.065	0.16	0.082	0.11	0.11	2.4	2.0	1.9	1.4	2.2	0.40	0.099
16	0.065	0.14	0.076	0.12	0.12	2.4	1.8	1.8	0.99	1.9	0.28	0.099
17	0.059	0.14	0.071	0.11	0.17	2.4	1.8	1.7	0.85	1.6	0.26	0.10
18	0.057	0.13	0.065	0.11	0.34	2.3	1.8	1.6	0.68	1.2	0.22	0.091
19	0.051	0.15	0.076	0.11	0.68	2.3	2.0	1.6	0.71	0.71	0.20	0.091
20	0.048	0.15	0.076	0.12	1.3	2.1	2.0	1.6	0.85	0.57	0.16	0.091
21	0.045	0.13	0.071	0.10	1.6	1.9	1.7	1.5	0.96	2.4	0.15	0.085
22	0.042	0.12	0.071	0.096	1.4	1.7	2.5	1.4	1.3	2.9	0.16	0.15
23	0.040	0.11	0.071	0.091	1.1	1.4	1.9	1.4	1.7	1.3	0.14	0.48
24	0.040	0.10	0.068	0.079	1.1	1.4	1.5	1.4	1.4	0.99	0.12	0.71
25	0.040	0.13	0.062	0.074	1.2	1.5	1.3	1.3	1.3	0.82	0.13	0.45
26	0.040	0.37	0.059	0.068	1.6	1.4	1.3	1.3	1.3	0.65	0.74	0.28
27	0.040	0.31	0.062	0.065	1.4	1.1	1.6	1.3	1.6	0.51	0.85	0.21
28	0.037	0.25	0.068	0.062	1.4	0.96	1.9	1.4	2.0	0.48	0.48	0.16
29	0.037		0.076	0.076	1.5	0.93	1.7	1.6	2.2	0.42	0.31	0.13
30	0.034		0.074	0.091	1.5	0.82	1.6	1.6	1.8	0.37	0.22	0.16
31	0.040		0.071		1.5		1.5	1.7		0.34		0.59
TOTAL	2.5	8.1	2.9	2.2	19	44	56	57	49	35	8.8	6.2
MEAN	0.082	0.028	0.028	0.028	0.028	0.028	0.028	0.028	0.028	1.124	0.292	0.200
MAX	0.24	1.1	0.22	0.12	1.6	2.4	2.5	3.4	2.8	2.9	0.85	0.71
MIN	0.034	0.045	0.059	0.04	0.062	0.82	0.99	1.3	0.68	0.34	0.12	0.085

TABLE 6.2: 1963 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0057	0.00	0.011	0.0028	0.0085	0.065	9999	9999	0.0028	0.0028	0.0057	0.0085
2	0.0057	0.0085	0.011	0.0028	0.0057	0.051	9999	9999	0.0085	0.0028	0.0057	0.0057
3	0.020	0.31	0.0085	0.0028	0.0057	0.042	9999	9999	0.0057	0.0028	0.0057	0.0057
4	0.011	0.18	0.0057	0.0028	0.0057	0.051	9999	9999	0.0028	0.0028	0.0057	0.0085
5	0.0085	0.054	0.0057	0.0028	0.0057	0.054	9999	9999	0.0028	0.0028	0.0057	0.017
6	0.0057	0.042	0.0057	0.0028	0.0057	0.059	9999	9999	0.0028	0.0028	0.0057	0.011
7	0.0057	0.040	0.0057	0.0028	0.0057	0.051	9999	9999	0.0028	0.0028	0.0057	0.0085
8	0.0057	0.040	0.0057	0.0028	0.0057	0.045	9999	9999	0.0028	0.0028	0.0057	0.0085
9	0.0057	0.034	0.0057	0.0028	0.0057	0.054	9999	9999	0.0028	0.0028	0.0057	0.0057
10	0.0028	0.028	0.0057	0.0028	0.0028	0.068	9999	9999	0.0057	0.0028	0.0057	0.0057
11	0.0028	0.025	0.0057	0.0028	0.0057	0.079	9999	9999	0.0028	0.0028	0.0057	0.0057
12	0.0028	0.020	0.0057	0.0028	0.011	0.099	9999	9999	0.0028	0.0028	0.011	0.0057
13	0.0028	0.017	0.0057	0.0028	0.011	0.088	9999	9999	0.054	0.0085	0.031	0.0057
14	0.0028	0.014	0.0057	0.034	0.025	0.082	9999	9999	0.023	0.0057	0.031	0.0057
15	0.0028	0.011	0.0057	0.023	0.025	0.096	9999	9999	0.0085	0.0028	0.017	0.0057
16	0.0028	0.011	0.0057	0.011	0.025	0.088	9999	9999	0.0085	0.0028	0.011	0.0057
17	0.0028	0.0085	0.0028	0.0085	0.045	0.079	9999	9999	0.0057	0.0028	0.0085	0.0028
18	0.0028	0.0057	0.0028	0.0057	0.076	0.074	9999	9999	0.0057	0.0057	0.0085	0.0028
19	0.0028	0.020	0.0028	0.0057	0.10	0.065	9999	9999	0.0028	0.0028	0.0057	0.0028
20	0.0028	0.014	0.0028	0.0028	0.14	0.054	9999	9999	0.0028	0.017	0.0057	0.0028
21	0.0028	0.011	0.0028	0.0028	0.15	0.048	9999	9999	0.0028	0.15	0.0057	0.0028
22	0.0028	0.0085	0.0085	0.0057	0.091	0.042	9999	9999	0.0028	0.051	0.0057	0.025
23	0.0028	0.0057	0.0057	0.0057	0.082	0.037	9999	9999	0.0085	0.017	0.0057	0.096
24	0.0028	0.0057	0.0028	0.0057	0.074	0.037	9999	9999	0.0057	0.0085	0.0057	0.028
25	0.00	0.028	0.0028	0.0057	0.082	0.042	9999	9999	0.0028	0.014	0.014	0.014
26	0.00	0.054	0.0028	0.0057	0.059	0.028	9999	9999	0.0028	0.011	0.093	0.0085
27	0.00	0.025	0.0028	0.0057	0.076	0.028	9999	9999	0.0028	0.0085	0.023	0.0085
28	0.00	0.017	0.0028	0.011	0.082	0.028	9999	9999	0.0028	0.0085	0.014	0.0057
29	0.00		0.0028	0.020	0.093	0.034	9999	9999	0.0028	0.0085	0.011	0.0057
30	0.00		0.0028	0.011	0.099	0.028	9999	9999	0.0028	0.0057	0.0085	0.040
31	0.00		0.0028		0.085		9999	9999		0.0057		0.048
TOTAL	0.12	1.0	0.16	0.21	1.5	1.7			0.19	0.37	0.38	0.41
MEAN	0.0037	0.037	0.0051	0.0068	0.048	0.057			0.0065	0.012	0.013	0.013
MAX	0.020	0.31	0.011	0.034	0.15	0.099			0.054	0.15	0.093	0.096
MIN	0.00	0.00	0.0028	0.0028	0.0028	0.028			0.0028	0.0028	0.0057	0.0028

TABLE 6.3: 1963 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

		TEMPERATURE C			PSYCHROMETER C			WIND				
		MAX	MIN						RUN	SPEED	CLOUD	
DATE	TIME	SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER	
JUN	27	1905	6	1	2	2.8	3.6	88	E	9999	9999	10
	28	1930	5	3	3	9999	9999	9999	W	76.6	3.1	10
	29	1930	3	-1	1	9999	9999	9999	W	158.2	6.6	10
	30	1830	7	-1	6	6.1	7.8	81	E	79.8	3.5	9
JUL	1	2017	14	3	10	9999	9999	9999	C	634.6	24.6	3
	2	2000	11	6	8	4.4	10.0	43	C	153.5	6.5	2
	3	1945	18	7	12	9.4	11.7	77	S	224.2	9.4	1
	4	1930	13	4	8	5.8	7.8	77	W	145.3	6.1	7
	5	1835	11	4	9	6.7	8.9	75	W	157.2	6.8	8
	6	1950	10	6	7	6.7	7.2	93	***	311.4	12.8	10
	7	2100	12	5	7	9999	9999	9999	NW	198.6	7.9	10
	8	1915	7	2	4	3.6	4.4	89	W	155.6	7.0	10
	9	1930	6	2	3	9999	9999	9999	W	121.7	5.0	10
	10	1900	5	3	4	9999	9999	9999	W	189.9	8.1	10
	11	1930	5	1	3	9999	9999	9999	W	272.3	11.1	10
	12	1930	9	1	7	6.7	7.5	90	***	129.9	5.4	10
	13	1930	16	5	11	8.9	10.6	82	W	97.8	4.1	*
	14	2000	11	2	2	9999	9999	9999	W	244.6	10.0	10
	15	1935	5	1	3	9999	9999	9999	W	231.4	9.8	10
	16	1745	14	1	10	8.3	10.0	82	W	199.6	9.0	2
	17	1940	11	6	7	7.2	7.2	100	W	119.7	4.6	10
	18	1930	11	5	8	7.8	8.9	87	***	183.1	7.7	7
	19	1930	17	6	12	8.3	11.7	66	W	98.7	4.1	1
	20	1710	13	4	8	6.1	8.3	74	W	122.6	5.7	9
	21	1900	9	5	7	9999	9999	9999	SE	105.6	4.1	10
	22	1900	8	-1	2	9999	9999	9999	W	299.3	12.5	10
	23	1930	9	-2	9	3.9	9.4	42	SE	353.6	14.4	*
	24	1855	9	3	3	9999	9999	9999	NW	321.5	13.7	10
	25	1910	8	3	6	6.7	7.8	87	NW	137.8	5.7	10
	26	1945	16	4	13	10.0	13.9	63	NW	157.1	6.4	1
	27	1830	18	10	13	9.4	13.9	59	NW	145.2	6.4	2
	28	1907	13	4	9	7.8	9.4	81	NW	152.1	6.2	8
	29	2011	10	3	6	5.3	5.6	96	***	162.9	6.5	10
	30	1925	9	3	6	9999	9999	9999	W	162.7	7.0	10
	31	1920	6	3	3	9999	9999	9999	NW	139.7	5.8	10
AUG	1	1830	11	3	9	9999	9999	9999	W	129.6	5.4	8
	2	1850	17	5	15	9999	9999	9999	NW	148.7	6.1	0
	3	2000	19	11	13	9999	9999	9999	W	249.0	9.9	0
	4	1830	17	9	14	9999	9999	9999	NW	130.5	5.8	1
	5	2000	17	9	11	9999	9999	9999	SE	107.2	4.2	3
	6	2000	18	9	11	9999	9999	9999	W	81.4	3.4	7
	7	1830	17	8	14	9999	9999	9999	W	127.1	5.7	0
	8	2010	24	12	19	9999	9999	9999	SE	275.2	10.7	1
	9	1915	20	16	16	9999	9999	9999	C	133.9	5.8	6
	10	1940	19	13	14	9999	9999	9999	S	92.7	3.8	1
	11	1640	9999	9999	9999	9999	9999	9999	SE	305.3	14.5	10
	12	1800	19	13	18	9999	9999	9999	S	383.3	15.1	10
	13	2000	19	8	10	9999	9999	9999	***	343.0	13.2	10
	14	2100	10	4	5	9999	9999	9999	NW	155.0	6.2	10
	15	2115	13	4	9	9999	9999	9999	SE	119.3	4.9	0
	16	2000	17	7	13	9999	9999	9999	E	120.9	5.3	0

TABLE 6.3: 1963 Instantaneous Meteorological Observations (continued)

DATE			TEMPERATURE C			WIND						
			MAX	MIN	CURR	PSYCHROMETER C			DIR	RUN	SPEED	CLOUD
			SLO	SLO		WET	DRY	%HUM				
AUG	17	2000	15	9	15	9999	9999	9999	SE	107.7	4.5	10
	18	1850	9	5	7	9999	9999	9999	N	77.1	3.4	*
	19	1930	7	2	4	9999	9999	9999	NW	145.3	6.1	*
	20	1930	6	2	5	9999	9999	9999	W	135.3	5.6	10
	21	1945	8	3	6	9999	9999	9999	SW	103.3	4.3	*
	22	2030	11	3	8	9999	9999	9999	W	131.2	5.3	*
	23	1950	13	6	10	9999	9999	9999	SE	284.4	12.2	*
	24	1950	10	4	6	9999	9999	9999	NW	101.9	4.2	10
	25	2000	7	4	5	9999	9999	9999	***	86.9	3.6	10
	26	1930	10	3	6	9999	9999	9999	NW	107.3	4.6	10
	27	2000	12	4	8	9999	9999	9999	W	98.3	4.0	*
	28	2000	18	6	13	9999	9999	9999	C	175.4	7.3	*
SEPT	10	2000	19	7	10	9999	9999	9999	S	204.1	0.7	0
	11	1915	22	5	14	9999	9999	9999	***	407.8	17.5	10
	13	1930	17	1	1	9999	9999	9999	NW	498.4	10.3	*
	15	1830	9	2	4	9999	9999	9999	N	320.6	6.8	8
	16	1900	4	1	2	9999	9999	9999	NW	108.0	4.4	10
	17	1930	9	1	6	9999	9999	9999	SE	183.5	7.5	2
	18	1830	13	4	8	9999	9999	9999	***	104.6	4.5	1
	19	2000	16	8	11	9999	9999	9999	SE	154.2	6.0	0
	20	1840	16	7	12	9999	9999	9999	***	339.1	15.0	1

TABLE 6.4: 1963 Precipitation at the GAGING STATION in mm.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6	3	6	5	14	2	2	3	0	0	6	0
2	40	50	2	0	2	0	0	1	6	2	25	0
3	0	38	0	5	3	2	1	2	6	0	2	0
4	0	37	0	3	2	5	0	0	5	2	6	6
5	0	0	0	9	8	5	0	0	0	2	6	11
6	0	9	0	2	5	5	0	2	0	0	5	9
7	0	3	0	0	5	2	9	0	0	0	12	8
8	6	0	0	3	5	6	9	3	2	0	3	3
9	2	0	2	2	2	4	3	0	0	2	20	2
10	2	0	5	2	2	1	13	0	17	2	9	15
11	3	0	14	0	2	11	5	2	0	0	2	0
12	0	0	0	0	2	1	0	9	2	0	8	0
13	2	0	0	5	3	1	1	9	30	12	9	0
14	0	0	8	11	8	1	2	0	6	0	14	5
15	0	0	3	0	0	2	4	0	2	0	14	14
16	3	3	2	2	0	0	1	0	3	0	12	8
17	0	8	2	3	0	0	1	0	3	2	17	12
18	3	5	5	5	0	0	0	0	0	3	3	3
19	2	26	6	9	0	0	0	0	0	2	30	5
20	0	0	2	6	6	5	0	5	0	12	0	3
21	0	0	8	2	2	10	1	2	0	67	9	0
22	5	0	3	8	0	8	23	2	0	9	12	61
23	0	0	6	2	0	1	0	2	6	3	8	27
24	0	0	2	0	2	4	14	2	0	24	8	5
25	0	30	5	0	2	10	1	0	2	11	12	14
26	0	2	2	5	2	0	1	0	2	3	16	8
27	0	2	3	3	3	1	1	2	2	3	9	5
28	0	6	5	3	3	9	0	2	2	15	0	0
29	0		11	3	0	9	0	3	2	11	0	0
30	0		9	5	2	3	0	2	0	3	2	27
31	21		6		0		15	0		2		17

TABLE 6.5: 1963 Precipitation at the HUT in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	0	5	10	9999	9999	9999
2	9999	9999	9999	9999	9999	9999	0	9999	12	9999	9999	9999
3	9999	9999	9999	9999	9999	9999	9999	9999	0	9999	9999	9999
4	9999	9999	9999	9999	9999	9999	2	9999	0	9999	9999	9999
5	9999	9999	9999	9999	9999	9999	1	9999	0	9999	9999	9999
6	9999	9999	9999	9999	9999	9999	3	9999	0	9999	9999	9999
7	9999	9999	9999	9999	9999	9999	11	9999	0	9999	9999	9999
8	9999	9999	9999	9999	9999	1	10	9999	0	9999	9999	9999
9	9999	9999	9999	9999	9999	9	9	9999	0	9999	9999	9999
10	9999	9999	9999	9999	9999	0	14	9999	16	9999	9999	9999
11	9999	9999	9999	9999	9999	15	5	1	0	9999	9999	9999
12	9999	9999	9999	9999	9999	6	9999	9	1	9999	9999	9999
13	9999	9999	9999	9999	9999	0	9999	17	52	9999	9999	9999
14	9999	9999	9999	9999	9999	0	5	0	11	9999	9999	9999
15	9999	9999	9999	9999	9999	0	6	0	0	9999	9999	9999
16	9999	9999	9999	9999	9999	0	0	0	7	9999	9999	9999
17	9999	9999	9999	9999	9999	0	0	9999	0	9999	9999	9999
18	9999	9999	9999	9999	9999	0	0	4	0	9999	9999	9999
19	9999	9999	9999	9999	9999	0	0	13	0	9999	9999	9999
20	9999	9999	9999	9999	9999	9999	0	6	0	9999	9999	9999
21	9999	9999	9999	9999	9999	9999	3	0	0	9999	9999	9999
22	9999	9999	9999	9999	9999	9999	25	0	5	9999	9999	9999
23	9999	9999	9999	9999	9999	9999	0	9999	14	9999	9999	9999
24	9999	9999	9999	9999	9999	9999	12	5	0	9999	9999	9999
25	9999	9999	9999	9999	9999	51	1	4	0	9999	9999	9999
26	9999	9999	9999	9999	9999	2	9999	0	0	9999	9999	9999
27	9999	9999	9999	9999	9999	0	9999	9999	9999	9999	9999	9999
28	9999	9999	9999	9999	9999	12	9999	9999	3	9999	9999	9999
29	9999		9999	9999	9999	8	9999	0	2	9999	9999	9999
30	9999		9999	9999	9999	2	9999	0	1	9999	9999	9999
31	9999		9999		9999		18	0		9999		9999

TABLE 6.6a: 1963 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-2	0	-2	03/01	60	-6	-3	-4	05/01	121	-4	0	-3
01/02	2	0	3	1	03/02	61	-9	2	-5	05/02	122	-5	-2	-4
01/03	3	-6	1	-3	03/03	62	-8	2	-3	05/03	123	-6	6	-3
01/04	4	-6	2	-2	03/04	63	-7	-2	-4	05/04	124	-6	2	-1
01/05	5	1	4	2	03/05	64	-8	4	-3	05/05	125	-2	3	1
01/06	6	-1	6	3	03/06	65	-6	8	-1	05/06	126	-2	4	1
01/07	7	2	8	6	03/07	66	-4	8	1	05/07	127	-3	4	-1
01/08	8	-7	2	-2	03/08	67	-2	11	3	05/08	128	-4	13	1
01/09	9	-17	-7	-9	03/09	68	-3	9	1	05/09	129	-3	11	0
01/10	10	-21	-16	-18	03/10	69	-7	-2	-4	05/10	130	-4	14	2
01/11	11	-17	-13	-15	03/11	70	-8	-2	-4	05/11	131	-2	12	2
01/12	12	-12	-6	-8	03/12	71	-8	4	-5	05/12	132	-2	8	1
01/13	13	-11	-7	-8	03/13	72	-9	3	-3	05/13	133	-4	11	3
01/14	14	-8	-3	-5	03/14	73	-6	1	-4	05/14	134	-1	11	4
01/15	15	-4	-2	-4	03/15	74	-6	1	-4	05/15	135	-4	3	0
01/16	16	-7	-3	-4	03/16	75	-5	-3	-4	05/16	136	-3	13	4
01/17	17	-6	-4	-6	03/17	76	-7	6	-3	05/17	137	6	11	8
01/18	18	-12	-7	-10	03/18	77	-5	-2	-3	05/18	138	7	11	8
01/19	19	-9	-1	-7	03/19	78	-4	-1	-2	05/19	139	6	12	8
01/20	20	-3	4	1	03/20	79	-1	5	2	05/20	140	10	14	12
01/21	21	-6	-3	-5	03/21	80	-1	9	5	05/21	141	9	13	11
01/22	22	-7	0	-5	03/22	81	-2	8	2	05/22	142	1	9	5
01/23	23	-5	3	-2	03/23	82	-4	2	-1	05/23	143	1	9	4
01/24	24	-8	-3	-6	03/24	83	-5	6	-1	05/24	144	0	6	3
01/25	25	-11	-3	-7	03/25	84	-2	4	0	05/25	145	0	10	5
01/26	26	-11	-2	-6	03/26	85	-2	7	1	05/26	146	-1	6	3
01/27	27	-12	-4	-8	03/27	86	-3	1	-1	05/27	147	1	10	3
01/28	28	-14	-11	-13	03/28	87	-6	-1	-3	05/28	148	2	12	8
01/29	29	-15	-11	-13	03/29	88	-6	-2	-4	05/29	149	3	13	7
01/30	30	-14	-1	-8	03/30	89	-6	-1	-4	05/30	150	2	12	6
01/31	31	-3	0	-1	03/31	90	-8	1	-4	05/31	151	1	7	3
02/01	32	-8	-3	-5	04/01	91	-10	3	-3	06/01	152	1	8	3
02/02	33	-6	4	1	04/02	92	-9	7	-2	06/02	153	-1	2	1
02/03	34	2	4	3	04/03	93	-3	2	-1	06/03	154	-1	7	3
02/04	35	0	7	4	04/04	94	-1	2	1	06/04	155	1	4	2
02/05	36	0	8	2	04/05	95	-1	3	2	06/05	156	1	2	2
02/06	37	1	8	4	04/06	96	-3	2	-1	06/06	157	1	9	4
02/07	38	2	7	3	04/07	97	-3	3	-1	06/07	158	2	5	2
02/08	39	3	8	7	04/08	98	-5	3	-2	06/08	159	2	6	4
02/09	40	3	8	6	04/09	99	-4	4	0	06/09	160	-1	7	3
02/10	41	4	7	7	04/10	100	-3	7	0	06/10	161	4	13	9
02/11	42	2	7	5	04/11	101	-2	3	-1	06/11	162	6	10	8
02/12	43	-2	3	2	04/12	102	0	4	1	06/12	163	4	11	7
02/13	44	-2	1	-1	04/13	103	2	6	4	06/13	164	3	14	8
02/14	45	-5	4	-2	04/14	104	-1	6	2	06/14	165	6	14	10
02/15	46	-5	4	-1	04/15	105	-6	-1	-4	06/15	166	9	16	13
02/16	47	-3	1	-1	04/16	106	-6	2	-3	06/16	167	8	18	12
02/17	48	-3	-1	-2	04/17	107	-5	7	-1	06/17	168	7	15	11
02/18	49	-2	1	-1	04/18	108	-3	4	-2	06/18	169	6	16	10
02/19	50	-2	1	0	04/19	109	-3	5	-1	06/19	170	3	9	6
02/20	51	-4	8	1	04/20	110	-4	4	-1	06/20	171	2	5	3
02/21	52	-3	12	2	04/21	111	-3	7	1	06/21	172	0	3	2
02/22	53	-4	9	1	04/22	112	-2	1	-1	06/22	173	0	4	2
02/23	54	-2	10	2	04/23	113	-3	5	-1	06/23	174	2	12	6
02/24	55	-3	9	2	04/24	114	-7	3	-1	06/24	175	3	4	4
02/25	56	2	6	3	04/25	115	-2	5	1	06/25	176	1	7	4
02/26	57	-3	2	-1	04/26	116	-1	5	1	06/26	177	1	4	2
02/27	58	-5	0	-3	04/27	117	-2	3	-1	06/27	178	1	8	4
02/28	59	-4	-1	-2	04/28	118	-4	9	4	06/28	179	1	2	2
					04/29	119	-1	6	1	06/29	180	0	3	1
					04/30	120	-4	1	-1	06/30	181	2	7	5

TABLE 6.6b: 1963 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN
07/01	182	7	17	10	09/01	244	9999	9999	9999	11/01	305	-1	4	2
07/02	183	4	12	7	09/02	245	9999	9999	9999	11/02	306	-2	-1	-2
07/03	184	4	17	12	09/03	246	9999	9999	9999	11/03	307	-2	1	0
07/04	185	4	12	8	09/04	247	9999	9999	9999	11/04	308	-1	1	0
07/05	186	4	12	8	09/05	248	9999	9999	9999	11/05	309	-3	3	-1
07/06	187	6	10	8	09/06	249	9999	9999	9999	11/06	310	-2	0	-1
07/07	188	6	12	8	09/07	250	9999	9999	9999	11/07	311	-2	1	-1
07/08	189	4	7	6	09/08	251	9999	9999	9999	11/08	312	-2	3	1
07/09	190	4	7	5	09/09	252	9999	9999	9999	11/09	313	-2	0	-1
07/10	191	3	6	4	09/10	253	9999	9999	9999	11/10	314	-1	1	-1
07/11	192	3	5	4	09/11	254	5	18	14	11/11	315	-1	4	1
07/12	193	3	10	6	09/12	255	9	17	12	11/12	316	2	5	4
07/13	194	6	16	10	09/13	256	3	9	6	11/13	317	4	7	5
07/14	195	3	8	6	09/14	257	2	4	3	11/14	318	0	4	2
07/15	196	3	5	4	09/15	258	3	9	7	11/15	319	-2	-1	-2
07/16	197	3	15	9	09/16	259	3	4	3	11/16	320	-2	-1	-1
07/17	198	6	9	7	09/17	260	2	10	7	11/17	321	-4	-1	-2
07/18	199	6	12	9	09/18	261	5	13	9	11/18	322	-4	-2	-3
07/19	200	6	16	10	09/19	262	7	12	10	11/19	323	-5	-1	-2
07/20	201	5	13	9	09/20	263	9	17	13	11/20	324	-8	-2	-6
07/21	202	6	10	8	09/21	264	6	13	9	11/21	325	-5	-4	-5
07/22	203	1	8	3	09/22	265	6	12	9	11/22	326	-4	0	-1
07/23	204	2	11	7	09/23	266	3	8	6	11/23	327	-1	1	0
07/24	205	4	9	7	09/24	267	7	14	11	11/24	328	-1	1	0
07/25	206	4	8	6	09/25	268	9	18	13	11/25	329	1	5	3
07/26	207	4	18	11	09/26	269	9	20	14	11/26	330	-2	5	2
07/27	208	7	17	12	09/27	270	13	22	17	11/27	331	-7	-2	-5
07/28	209	5	13	9	09/28	271	7	22	16	11/28	332	-7	4	0
07/29	210	5	11	8	09/29	272	7	13	9	11/29	333	3	11	7
07/30	211	5	10	6	09/30	273	5	12	8	11/30	334	2	6	3
07/31	212	4	5	4	10/01	274	4	15	9	12/01	335	4	11	8
08/01	213	4	13	7	10/02	275	6	16	12	12/02	336	6	9	7
08/02	214	5	14	11	10/03	276	4	7	6	12/03	337	4	8	7
08/03	215	9	18	14	10/04	277	2	6	3	12/04	338	3	6	4
08/04	216	8	17	12	10/05	278	1	5	3	12/05	339	-1	4	2
08/05	217	8	18	11	10/06	279	2	8	4	12/06	340	-5	-1	-3
08/06	218	8	17	11	10/07	280	3	8	6	12/07	341	-8	-4	-5
08/07	219	8	18	12	10/08	281	3	9	6	12/08	342	-4	-4	-4
08/08	220	9	21	16	10/09	282	7	9	8	12/09	343	-7	-4	-6
08/09	221	11	16	13	10/10	283	8	11	9	12/10	344	-7	-3	-5
08/10	222	11	18	16	10/11	284	6	12	7	12/11	345	-4	6	2
08/11	223	13	21	17	10/12	285	4	11	8	12/12	346	-2	5	2
08/12	224	9	22	16	10/13	286	7	10	8	12/13	347	-3	-1	-2
08/13	225	8	16	12	10/14	287	10	12	11	12/14	348	-3	-1	-2
08/14	226	6	8	8	10/15	288	6	13	10	12/15	349	-1	-1	-1
08/15	227	6	15	9	10/16	289	6	16	11	12/16	350	-3	1	-1
08/16	228	7	17	11	10/17	290	1	10	6	12/17	351	-3	4	2
08/17	229	7	16	10	10/18	291	-2	3	1	12/18	352	1	7	4
08/18	230	6	9	7	10/19	292	0	7	4	12/19	353	-1	2	1
08/19	231	4	8	6	10/20	293	1	6	3	12/20	354	-3	0	-1
08/20	232	4	8	6	10/21	294	2	7	4	12/21	355	-6	2	-3
08/21	233	5	8	7	10/22	295	1	2	1	12/22	356	-1	4	2
08/22	234	4	13	8	10/23	296	0	1	1	12/23	357	3	5	4
08/23	235	7	14	10	10/24	297	-1	2	1	12/24	358	0	7	4
08/24	236	6	7	6	10/25	298	-3	-1	-2	12/25	359	-7	0	-3
08/25	237	4	9	6	10/26	299	-3	-1	-2	12/26	360	-7	-1	-2
08/26	238	5	11	8	10/27	300	-3	1	-1	12/27	361	-1	2	0
08/27	239	4	11	9	10/28	301	-2	1	-1	12/28	362	-1	2	0
08/28	240	7	15	12	10/29	302	-2	-1	-2	12/29	363	1	9	6
08/29	241	11	18	14	10/30	303	-2	2	0	12/30	364	4	9	6
08/30	242	9999	9999	9999	10/31	304	0	2	1	12/31	365	2	6	3
08/31	243	9999	9999	9999										

TABLE 6.7a: 1963 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-3	-1	-2	03/01	60	-8	-7	-7	05/01	121	-7	-3	-6
01/02	2	-1	1	0	03/02	61	-10	-4	-8	05/02	122	-7	-4	-6
01/03	3	-6	-1	-4	03/03	62	-9	-6	-7	05/03	123	-8	-1	-6
01/04	4	-6	2	-2	03/04	63	-8	-4	-6	05/04	124	-5	0	-3
01/05	5	0	5	2	03/05	64	-9	-1	-5	05/05	125	-3	2	-1
01/06	6	1	9	5	03/06	65	-4	3	-2	05/06	126	-3	1	-2
01/07	7	1	9	6	03/07	66	-3	5	1	05/07	127	-4	-1	-3
01/08	8	-9	1	-3	03/08	67	0	5	2	05/08	128	-5	2	-2
01/09	9	-19	-9	-12	03/09	68	-6	3	-1	05/09	129	-3	2	-2
01/10	10	-23	-18	-21	03/10	69	-7	-5	-6	05/10	130	-4	4	-1
01/11	11	-22	-11	-18	03/11	70	-8	-5	-7	05/11	131	-1	4	1
01/12	12	-14	-6	-10	03/12	71	-9	-2	-7	05/12	132	9999	9999	9999
01/13	13	-13	-9	-10	03/13	72	-9	-3	-6	05/13	133	-4	4	1
01/14	14	-11	-6	-8	03/14	73	-8	-2	-6	05/14	134	1	7	3
01/15	15	-7	-4	-6	03/15	74	-8	-4	-7	05/15	135	-3	2	-1
01/16	16	-8	-1	-6	03/16	75	-7	-6	-7	05/16	136	-3	9	3
01/17	17	-9	-7	-8	03/17	76	-7	-2	-6	05/17	137	4	11	8
01/18	18	-14	-8	-12	03/18	77	-8	-5	-6	05/18	138	7	12	9
01/19	19	-9	0	-6	03/19	78	-6	-2	-3	05/19	139	6	13	10
01/20	20	-2	6	2	03/20	79	2	5	3	05/20	140	10	14	12
01/21	21	-9	-1	-5	03/21	80	-3	6	2	05/21	141	10	14	12
01/22	22	-10	-5	-6	03/22	81	-4	1	-1	05/22	142	3	12	8
01/23	23	-7	0	-3	03/23	82	-6	1	-3	05/23	143	1	7	3
01/24	24	-9	-4	-6	03/24	83	-7	-1	-5	05/24	144	1	5	3
01/25	25	-11	-8	-10	03/25	84	-3	0	-1	05/25	145	0	7	3
01/26	26	-9	-7	-8	03/26	85	-2	3	-1	05/26	146	1	5	3
01/27	27	-13	-8	-10	03/27	86	-5	-1	-3	05/27	147	1	9	4
01/28	28	-19	-15	-17	03/28	87	-8	-1	-6	05/28	148	5	14	9
01/29	29	-20	-15	-18	03/29	88	-8	-5	-6	05/29	149	6	12	9
01/30	30	-18	-2	-17	03/30	89	-9	-5	-8	05/30	150	3	11	6
01/31	31	-5	-1	-3	03/31	90	-9	-3	-7	05/31	151	1	3	2
02/01	32	-9	-3	-7	04/01	91	-10	-3	-7	06/01	152	0	6	3
02/02	33	-3	3	-1	04/02	92	-10	2	-5	06/02	153	-1	2	0
02/03	34	0	3	1	04/03	93	-5	0	-3	06/03	154	-1	4	1
02/04	35	-1	5	2	04/04	94	-2	1	-1	06/04	155	0	4	2
02/05	36	-1	6	1	04/05	95	-3	1	-1	06/05	156	1	2	2
02/06	37	-1	6	3	04/06	96	-5	-1	-3	06/06	157	1	6	6
02/07	38	1	4	2	04/07	97	9999	9999	9999	06/07	158	2	5	3
02/08	39	4	7	5	04/08	98	9999	9999	9999	06/08	159	1	4	2
02/09	40	4	6	6	04/09	99	9999	9999	9999	06/09	160	-3	2	1
02/10	41	4	6	5	04/10	100	9999	9999	9999	06/10	161	5	13	9
02/11	42	1	5	4	04/11	101	9999	9999	9999	06/11	162	5	8	7
02/12	43	-3	3	1	04/12	102	-1	2	0	06/12	163	3	7	5
02/13	44	-3	-1	-2	04/13	103	1	4	3	06/13	164	9999	9999	9999
02/14	45	-4	-2	-3	04/14	104	-2	4	1	06/14	165	12	19	16
02/15	46	-4	-1	-4	04/15	105	-8	-2	-7	06/15	166	14	21	18
02/16	47	-4	-2	-3	04/16	106	-8	-2	-6	06/16	167	10	17	15
02/17	48	-4	-3	-4	04/17	107	-6	2	-4	06/17	168	10	16	13
02/18	49	-3	-2	-3	04/18	108	-5	-2	-4	06/18	169	5	17	12
02/19	50	-4	0	-1	04/19	109	-5	2	-3	06/19	170	3	8	5
02/20	51	-5	2	-1	04/20	110	-5	0	-3	06/20	171	1	4	2
02/21	52	-3	2	0	04/21	111	-3	4	-1	06/21	172	0	2	1
02/22	53	-3	3	0	04/22	112	-3	-1	-2	06/22	173	0	5	1
02/23	54	-2	3	1	04/23	113	-5	0	-3	06/23	174	2	10	6
02/24	55	-1	4	1	04/24	114	-6	1	-3	06/24	175	1	4	3
02/25	56	1	5	3	04/25	115	-2	3	0	06/25	176	0	5	2
02/26	57	-5	1	-3	04/26	116	-2	1	-1	06/26	177	-1	3	1
02/27	58	-6	-4	-5	04/27	117	-4	0	-2	06/27	178	0	7	2
02/28	59	-7	-3	-4	04/28	118	-4	6	2	06/28	179	0	2	1
					04/29	119	-2	4	1	06/29	180	-1	1	0
					04/30	120	-6	0	-3	06/30	181	0	8	3

TABLE 6.7b: 1963 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN
07/01	182	5	16	10	09/01	244	6	14	8	11/01	305	-3	0	-1
07/02	183	6	11	7	09/02	245	5	9	6	11/02	306	-5	-3	-4
07/03	184	9	19	13	09/03	246	8	16	12	11/03	307	-4	-1	-3
07/04	185	4	11	7	09/04	247	11	18	14	11/04	308	-5	-2	-3
07/05	186	5	13	8	09/05	248	9	16	12	11/05	309	-5	-3	-4
07/06	187	6	10	8	09/06	249	10	17	13	11/06	310	-5	-2	-4
07/07	188	5	12	8	09/07	250	13	22	18	11/07	311	-6	-1	-4
07/08	189	3	7	4	09/08	251	15	20	17	11/08	312	-4	-2	-3
07/09	190	3	6	4	09/09	252	16	23	18	11/09	313	-5	-2	-4
07/10	191	2	4	4	09/10	253	8	19	13	11/10	314	-4	-3	-3
07/11	192	2	4	3	09/11	254	11	17	13	11/11	315	-6	1	-3
07/12	193	1	11	6	09/12	255	8	17	13	11/12	316	1	3	2
07/13	194	6	16	10	09/13	256	1	8	4	11/13	317	0	3	2
07/14	195	2	7	4	09/14	257	0	3	1	11/14	318	-4	2	-1
07/15	196	1	5	2	09/15	258	3	7	4	11/15	319	-6	-4	-5
07/16	197	4	14	9	09/16	259	0	3	2	11/16	320	-6	-3	-4
07/17	198	5	9	7	09/17	260	1	10	4	11/17	321	-8	-4	-5
07/18	199	5	11	8	09/18	261	5	13	9	11/18	322	-8	-4	-6
07/19	200	6	16	10	09/19	262	9	16	11	11/19	323	-8	-3	-5
07/20	201	5	13	8	09/20	263	8	16	12	11/20	324	-13	-8	-11
07/21	202	5	9	7	09/21	264	8	15	11	11/21	325	-9	-6	-8
07/22	203	0	7	2	09/22	265	4	11	8	11/22	326	-7	-3	-4
07/23	204	1	10	6	09/23	266	2	8	4	11/23	327	-4	-1	-3
07/24	205	3	10	5	09/24	267	6	14	10	11/24	328	-3	-1	-2
07/25	206	3	8	5	09/25	268	12	18	14	11/25	329	-2	3	1
07/26	207	5	16	12	09/26	269	15	19	18	11/26	330	-4	3	0
07/27	208	7	16	12	09/27	270	17	21	19	11/27	331	-10	-4	-8
07/28	209	5	12	8	09/28	271	9	22	18	11/28	332	-10	5	-1
07/29	210	4	9	6	09/29	272	6	13	9	11/29	333	4	9	6
07/30	211	4	8	5	09/30	273	4	9	7	11/30	334	1	6	3
07/31	212	3	4	3	10/01	274	4	16	10	12/01	335	6	9	8
08/01	213	4	10	6	10/02	275	4	16	11	12/02	336	7	12	9
08/02	214	9	18	13	10/03	276	2	5	3	12/03	337	4	9	8
08/03	215	11	18	14	10/04	277	0	4	1	12/04	338	1	5	3
08/04	216	11	17	13	10/05	278	0	3	1	12/05	339	-2	2	0
08/05	217	10	17	12	10/06	279	0	5	2	12/06	340	-8	-2	-6
08/06	218	9	17	13	10/07	280	1	5	3	12/07	341	-9	-7	-8
08/07	219	8	16	13	10/08	281	2	7	5	12/08	342	-9	-8	-8
08/08	220	14	24	18	10/09	282	6	9	7	12/09	343	-11	-7	-9
08/09	221	16	21	18	10/10	283	7	10	8	12/10	344	9999	9999	9999
08/10	222	13	19	16	10/11	284	3	11	6	12/11	345	9999	9999	9999
08/11	223	13	19	17	10/12	285	2	9	6	12/12	346	9999	9999	9999
08/12	224	11	19	16	10/13	286	6	8	7	12/13	347	9999	9999	9999
08/13	225	8	16	12	10/14	287	8	10	9	12/14	348	9999	9999	9999
08/14	226	4	8	6	10/15	288	7	12	9	12/15	349	9999	9999	9999
08/15	227	4	13	8	10/16	289	10	14	11	12/16	350	9999	9999	9999
08/16	228	8	18	12	10/17	290	-2	11	6	12/17	351	9999	9999	9999
08/17	229	8	14	11	10/18	291	-5	1	-2	12/18	352	9999	9999	9999
08/18	230	3	8	6	10/19	292	0	3	2	12/19	353	9999	9999	9999
08/19	231	2	5	4	10/20	293	-3	5	0	12/20	354	9999	9999	9999
08/20	232	2	6	4	10/21	294	-1	6	3	12/21	355	9999	9999	9999
08/21	233	4	8	5	10/22	295	-3	0	-1	12/22	356	9999	9999	9999
08/22	234	3	11	6	10/23	296	-3	-1	-2	12/23	357	9999	9999	9999
08/23	235	7	13	9	10/24	297	-4	-1	-2	12/24	358	9999	9999	9999
08/24	236	4	7	6	10/25	298	-6	-4	-5	12/25	359	9999	9999	9999
08/25	237	4	8	5	10/26	299	-7	-4	-5	12/26	360	9999	9999	9999
08/26	238	4	9	6	10/27	300	-6	-1	-4	12/27	361	9999	9999	9999
08/27	239	4	11	8	10/28	301	-4	-1	-3	12/28	362	9999	9999	9999
08/28	240	9	18	13	10/29	302	-6	-4	-5	12/29	363	9999	9999	9999
08/29	241	11	18	14	10/30	303	-4	-2	-3	12/30	364	9999	9999	9999
08/30	242	13	22	16	10/31	304	-3	-1	-2	12/31	365	9999	9999	9999
08/31	243	14	21	17										

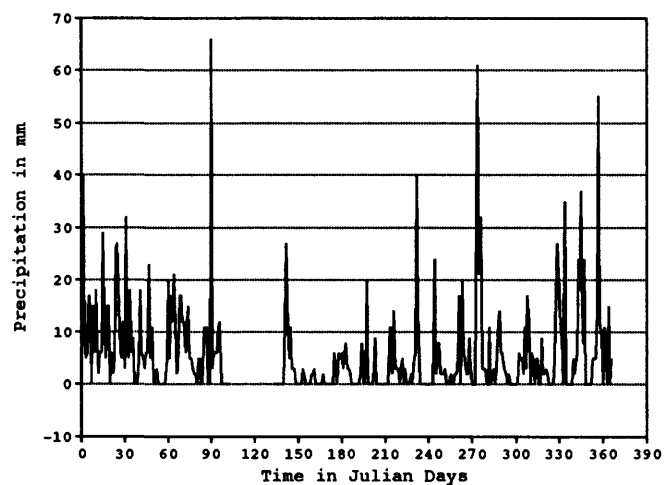
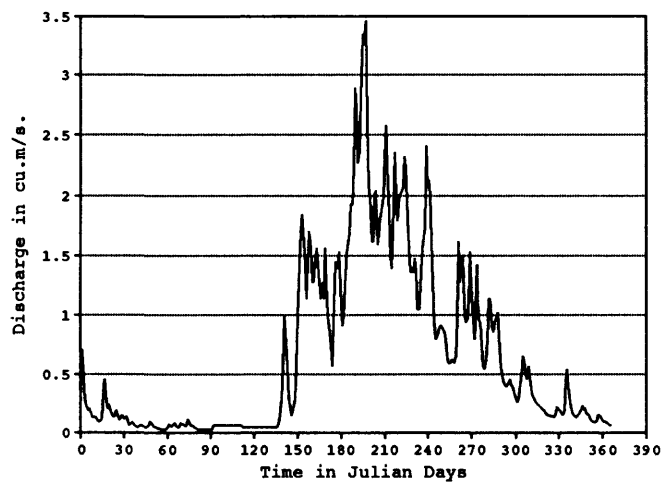
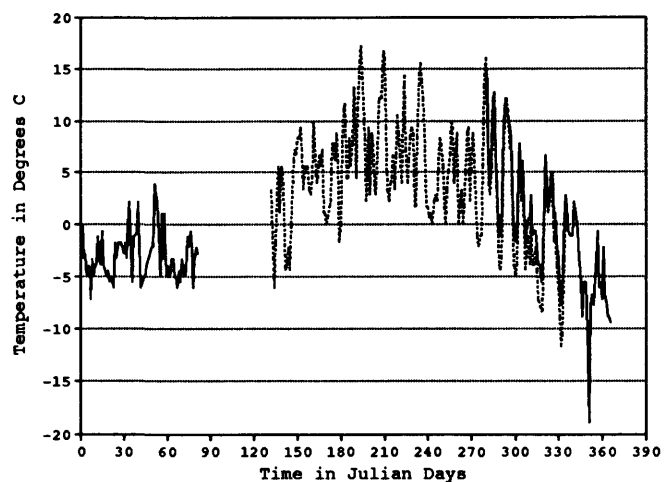


FIGURE 8: 1964 daily mean air temperature (Gaging Station --- and Hut ____), and daily mean discharge and daily precipitation at the Gaging Station on South Fork Cascade River.

TABLE 7.1: 1964 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.71	0.14	0.068	0.062	0.042	1.8	1.2	1.5	0.79	0.96	0.62	0.54
2	0.45	0.091	0.057	0.062	0.042	1.7	1.5	1.4	0.82	0.93	0.51	0.40
3	0.28	0.065	0.054	0.062	0.042	1.4	1.6	1.7	0.88	0.74	0.45	0.26
4	0.23	0.074	0.068	0.062	0.042	1.1	1.7	2.4	0.91	0.57	0.57	0.20
5	0.18	0.085	0.079	0.062	0.042	1.4	1.9	2.0	0.91	0.54	0.45	0.16
6	0.21	0.068	0.057	0.062	0.042	1.7	1.9	1.8	0.88	0.62	0.37	0.14
7	0.17	0.057	0.042	0.062	0.042	1.6	2.2	1.9	0.85	0.79	0.31	0.13
8	0.14	0.048	0.045	0.062	0.042	1.3	2.9	2.0	0.79	1.1	0.28	0.15
9	0.12	0.045	0.079	0.062	0.042	1.3	2.7	2.0	0.65	1.1	0.26	0.16
10	0.13	0.059	0.068	0.062	0.042	1.4	2.3	2.1	0.59	0.91	0.24	0.18
11	0.12	0.065	0.068	0.062	0.042	1.6	2.4	2.3	0.59	0.85	0.23	0.23
12	0.099	0.057	0.059	0.062	0.048	1.4	2.8	2.2	0.62	0.93	0.22	0.20
13	0.093	0.054	0.059	0.062	0.048	1.3	3.3	1.8	0.62	0.96	0.21	0.21
14	0.099	0.045	0.12	0.062	0.045	1.1	3.3	1.6	0.59	1.0	0.20	0.16
15	0.12	0.045	0.099	0.062	0.048	1.3	3.5	1.4	0.65	0.82	0.19	0.16
16	0.34	0.059	0.059	0.062	0.071	1.1	2.6	1.4	0.96	0.62	0.16	0.13
17	0.45	0.091	0.065	0.062	0.14	1.6	2.1	1.4	1.6	0.51	0.16	0.11
18	0.26	0.079	0.057	0.062	0.28	1.3	2.0	1.5	1.3	0.42	0.15	0.093
19	0.20	0.059	0.040	0.062	0.57	0.99	1.6	1.4	1.5	0.40	0.14	0.088
20	0.24	0.048	0.031	0.062	0.99	0.85	1.6	1.0	1.5	0.40	0.14	0.088
21	0.18	0.042	0.023	0.045	0.85	0.74	2.0	1.0	1.1	0.42	0.13	0.093
22	0.14	0.034	0.023	0.045	0.57	0.57	2.0	1.2	0.93	0.45	0.13	0.15
23	0.13	0.031	0.023	0.045	0.28	0.91	1.6	1.5	0.96	0.40	0.15	0.15
24	0.15	0.028	0.023	0.045	0.23	1.4	1.7	1.6	1.1	0.40	0.22	0.12
25	0.19	0.023	0.023	0.045	0.14	1.4	1.8	1.7	1.5	0.34	0.20	0.10
26	0.12	0.023	0.023	0.045	0.23	1.4	1.9	2.4	1.2	0.28	0.18	0.096
27	0.10	0.023	0.023	0.045	0.28	1.5	2.0	2.1	0.96	0.26	0.17	0.093
28	0.13	0.025	0.023	0.045	0.57	1.1	2.3	2.1	0.79	0.28	0.15	0.082
29	0.15	0.045	0.023	0.045	0.99	0.91	2.6	2.0	1.1	0.37	0.17	0.071
30	0.12		0.023	0.045	1.4	0.99	2.2	1.4	1.4	0.51	0.45	0.065
31	0.12		0.023		1.7		1.8	0.93		0.65		0.065
TOTAL	6.2	1.6	1.5	1.7	10	38	67	53	29	20	7.8	4.9
MEAN	0.20	0.056	0.049	0.057	0.32	1.3	2.2	1.7	0.97	0.63	0.26	0.16
MAX	0.71	0.14	0.12	0.062	1.7	1.8	3.5	2.4	1.6	1.1	0.62	0.54
MIN	0.093	0.023	0.023	0.045	0.042	0.57	1.2	0.93	0.59	0.26	0.13	0.065

TABLE 7.2: 1964 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	0.10	0.076	0.042	0.011	0.023	0.014	0.045
2	9999	9999	9999	9999	9999	0.079	0.079	0.040	0.017	0.071	0.0085	0.017
3	9999	9999	9999	9999	9999	0.059	0.082	0.054	0.014	0.028	0.0085	0.011
4	9999	9999	9999	9999	9999	0.082	0.091	0.051	0.0085	0.034	0.037	0.0085
5	9999	9999	9999	9999	9999	0.12	0.091	0.040	0.0085	0.020	0.014	0.0057
6	9999	9999	9999	9999	9999	0.093	0.099	0.040	0.0085	0.014	0.0085	0.0057
7	9999	9999	9999	9999	9999	0.071	0.12	0.034	0.0085	0.011	0.0085	0.0057
8	9999	9999	9999	9999	9999	0.071	0.10	0.028	0.0085	0.023	0.0057	0.0057
9	9999	9999	9999	9999	9999	0.088	0.093	0.034	0.0057	0.020	0.0057	0.0057
10	9999	9999	9999	9999	9999	0.11	0.093	0.028	0.0057	0.017	0.0057	0.0057
11	9999	9999	9999	9999	9999	0.088	0.12	0.025	0.0057	0.011	0.0057	0.0028
12	9999	9999	9999	9999	9999	0.071	0.14	0.020	0.0057	0.011	0.0057	0.0028
13	9999	9999	9999	9999	9999	0.057	0.13	0.020	0.0057	0.011	0.0057	0.0028
14	9999	9999	9999	9999	9999	0.068	0.11	0.017	0.0057	0.025	0.0028	0.0028
15	9999	9999	9999	9999	9999	0.062	0.12	0.014	0.0057	0.014	0.0028	0.0028
16	9999	9999	9999	9999	9999	0.12	0.085	0.014	0.0057	0.014	0.0028	0.0028
17	9999	9999	9999	9999	9999	0.065	0.079	0.014	0.020	0.011	0.0028	0.0028
18	9999	9999	9999	9999	9999	0.051	0.054	0.017	0.0085	0.014	0.0028	0.0028
19	9999	9999	9999	9999	9999	0.042	0.059	0.023	0.040	0.020	0.0028	0.0028
20	9999	9999	9999	9999	9999	0.040	0.065	0.014	0.034	0.014	0.0028	0.0028
21	9999	9999	9999	9999	9999	0.037	0.085	0.011	0.014	0.0085	0.0028	0.0028
22	9999	9999	9999	9999	9999	0.048	0.051	0.0085	0.011	0.0085	0.0028	0.0028
23	9999	9999	9999	9999	9999	0.079	0.059	0.0085	0.0085	0.0057	0.0057	0.0028
24	9999	9999	9999	9999	9999	0.079	0.065	0.0085	0.011	0.0057	0.0057	0.0028
25	9999	9999	9999	9999	9999	0.071	0.068	0.011	0.017	0.0057	0.0057	0.0028
26	9999	9999	9999	9999	9999	0.076	0.065	0.025	0.0085	0.0057	0.0057	0.0028
27	9999	9999	9999	9999	9999	0.059	0.071	0.031	0.0057	0.0057	0.0057	0.0028
28	9999	9999	9999	9999	9999	0.037	0.079	0.028	0.0057	0.0085	0.0057	0.0028
29	9999	9999	9999	9999	9999	0.045	0.062	0.037	0.042	0.0057	0.011	0.0028
30	9999		9999	9999	9999	0.068	0.051	0.020	0.062	0.011	0.088	0.0028
31	9999		9999		9999		0.045	0.014		0.0057		0.0028
TOTAL						2.1	2.6	0.77	0.42	0.48	0.29	0.18
MEAN						0.071	0.084	0.025	0.014	0.016	0.010	0.0057
MAX						0.12	0.14	0.054	0.062	0.071	0.088	0.045
MIN						0.037	0.045	0.0085	0.0057	0.0057	0.0028	0.0028

TABLE 7.3: 1964 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and '*'s indicate missing data.

		TEMPERATURE C			PSYCHROMETER C			WIND					
		MAX	MIN							RUN	SPEED	CLOUD	
DATE	TIME	SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER		
JUN	19	1820	9999	9999	0	0.8	0.8	100	NW	9999	9999	10	
	20	1900	9999	9999	9999	9999	9999	9999	C	9999	9999	10	
	21	1815	9999	9999	9999	4.7	6.1	82	NE	9999	9999	10	
	22	1830	9999	9999	9999	7.1	11.5	56	C	9999	9999	4	
	23	1800	9999	9999	9999	6.0	9.9	59	NW	9999	9999	1	
	24	2000	18	0	9999	3.7	6.1	70	NW	9999	9999	0	
	25	1800	11	9999	9999	6.9	11.7	53	***	9999	9999	6	
	26	1800	13	1	1	9999	9999	9999	NW	9999	9999	10	
	27	1830	9999	9999	-1	0.0	0.0	100	NW	9999	9999	10	
	28	1930	3	-2	2	1.4	2.2	88	***	9999	9999	10	
	29	1800	9999	9999	9999	7.1	12.7	48	NW	9999	9999	1	
	30	1800	14	8	12	8.2	12.8	56	NW	9999	9999	0	
	JUL	1	1750	17	10	13	8.2	14.9	41	SW	9999	9999	10
		2	1805	6	3	3	9999	9999	9999	SW	155.0	6.4	10
		3	1800	18	2	6	5.8	6.5	92	C	165.1	6.9	8
		4	1800	11	3	6	6.6	7.2	92	SW	145.0	6.0	10
		5	1800	12	2	9999	6.1	7.5	83	NW	156.3	6.5	10
		6	1800	12	3	9999	9.2	11.7	74	SE	88.8	3.7	10
		7	1800	17	8	17	11.1	16.7	53	W	377.6	15.7	2
		8	1805	14	3	3	9999	9999	9999	NW	214.2	8.9	10
9		1800	15	-1	14	6.1	10.0	59	SE	242.9	10.1	0	
10		1800	9999	9999	9999	7.2	12.8	48	SE	149.2	6.2	0	
	11	1805	9999	9999	9999	11.1	19.4	38	SW	182.2	7.6	0	
	12	1800	19	15	16	12.8	18.0	57	SSW	151.3	6.3	0	
	13	1800	16	10	14	11.1	15.6	61	NW	97.7	4.1	6	
	14	1800	16	7	9	8.3	10.6	76	SW	144.0	6.0	10	
	15	1805	9999	-1	1	9999	9999	9999	SW	270.5	11.3	10	
	16	1800	7	-1	6	5.6	7.2	80	SE	240.8	10.0	10	
	17	1800	11	4	6	6.1	6.5	95	SSW	219.5	9.1	10	
	29	1800	9999	9999	9	7.8	9.4	81	NNW	2027.3	7.0	10	
	30	1825	10	2	2	9999	9999	9999	NNW	171.1	7.0	10	
	31	1840	6	0	4	4.0	5.1	85	***	190.2	7.9	8	
AUG	1	1810	6	3	3	9999	9999	9999	W	122.8	5.2	10	
	2	1800	8	1	7	4.9	6.7	78	ESE	199.2	8.4	10	
	4	1800	8	2	6	3.3	3.3	100	W	493.5	10.3	10	
	5	1800	13	2	11	8.3	13.3	53	NNE	194.2	8.1	0	
	6	1815	16	7	14	7.1	11.4	56	SE	471.4	19.4	0	
	7	1800	15	8	11	7.2	10.6	65	WNW	181.8	7.7	8	
	8	1815	11	4	7	9999	9999	9999	WSW	150.1	6.2	10	
	9	1850	8	4	4	9999	9999	9999	C	394.2	16.1	10	
	10	1800	14	3	14	7.9	15.8	78	E	287.9	12.4	0	
	11	1805	21	10	18	10.0	16.7	45	SE	589.7	24.6	4	
	12	1800	18	6	6	6.4	6.9	93	SW	116.3	4.8	10	
	14	1905	13	0	8	6.4	7.8	84	SE	259.4	5.3	1	
	15	1805	12	7	10	8.1	9.6	83	W	85.6	3.7	*	
	16	1800	11	13	3	9.1	12.7	65	W	81.1	3.4	7	
	17	1800	13	7	8	9999	9999	9999	W	118.1	4.9	10	
	18	1800	9	0	1	9999	9999	9999	***	312.5	13.0	10	
	19	1807	3	0	3	9999	9999	9999	SE	247.1	10.3	10	
	20	2010	12	2	8	7.7	9.2	83	SE	95.3	3.7	0	
	21	1800	18	6	16	10.3	16.5	48	WSW	188.1	8.6	0	

TABLE 7.3: 1964 Instantaneous Meteorological Observations (continued)

			TEMPERATURE C			WIND						
			MAX	MIN		PSYCHROMETER C				RUN	SPEED	CLOUD
DATE	TIME		SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER
AUG	22	1800	19	13	17	10.6	17.3	45	WSW	144.5	6.0	0
	23	1830	17	11	16	7.8	15.6	35	SW	301.8	12.3	0
	24	1800	18	9	16	9.4	15.6	47	C	372.8	15.9	1
	25	1800	18	6	6	9999	9999	9999	WNW	478.7	19.9	10
	26	1800	6	1	3	9999	9999	9999	WNW	385.8	16.1	10
	27	1820	4	2	3	9999	9999	9999	NNW	314.7	12.9	10
	28	1800	6	-1	2	9999	9999	9999	NNW	186.3	7.9	10
	29	1800	6	1	1	9999	9999	9999	NW	350.4	14.6	10
	30	1800	3	-2	2	9999	9999	9999	W	182.8	7.6	10
	31	1800	7	0	4	9999	9999	9999	***	9999	9999	7
SEPT	1	1800	6	2	4	9999	9999	9999	NNW	279.8	5.8	10
	2	1800	4	1	3	9999	9999	9999	***	321.8	13.4	10
	3	1825	10	1	8	4.7	8.9	54	SE	273.7	11.2	5
	4	1815	13	5	11	6.4	10.8	54	W	241.5	10.1	0
	5	1830	12	5	8	6.4	8.1	81	***	42.8	1.8	9
	6	1900	9	2	5	9999	9999	9999	***	53.1	2.2	10
	7	1800	7	0	0	9999	9999	9999	NW	157.4	6.8	*

Table 7.4: 1964 Precipitation at the GAGING STATION in mm.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	40	6	5	6	9999	3	8	6	2	21	11	9999
2	8	5	17	6	9999	2	3	2	8	32	3	9999
3	5	18	12	6	9999	0	3	14	8	3	17	0
4	6	6	21	11	9999	0	2	3	2	3	12	0
5	17	9	11	12	9999	0	9999	3	2	3	0	5
6	15	0	2	9999	9999	0	9999	3	2	0	6	2
7	0	0	3	9999	9999	2	9999	0	3	0	5	6
8	15	0	17	9999	9999	2	9999	3	0	11	0	24
9	6	5	17	9999	9999	3	9999	5	0	0	5	18
10	18	18	12	9999	9999	0	9999	0	0	2	5	37
11	8	6	12	9999	9999	0	2	3	2	3	0	8
12	2	5	6	9999	9999	0	8	0	0	0	0	24
13	6	3	12	9999	0	0	0	0	0	3	9	9999
14	6	6	15	9999	0	0	2	0	2	12	2	9999
15	29	6	5	9999	0	2	20	2	2	14	2	0
16	15	23	5	9999	0	9999	0	0	5	6	3	0
17	5	5	3	9999	0	9999	0	5	17	6	2	0
18	15	11	2	9999	0	9999	0	6	0	3	0	5
19	15	0	2	9999	0	9999	0	40	20	2	0	5
20	0	2	0	9999	12	9999	3	14	6	0	0	5
21	6	3	5	9999	27	0	9	9999	5	2	0	15
22	2	0	5	9999	11	0	0	9999	2	0	5	55
23	5	0	0	9999	5	6	9999	9999	2	0	17	12
24	26	0	0	9999	11	2	9999	9999	9	0	27	9
25	27	0	11	9999	3	0	9999	9999	3	0	18	0
26	15	0	8	9999	3	6	9999	9999	0	0	11	11
27	6	0	11	9999	0	5	9999	9999	0	0	9	5
28	5	5	0	9999	0	6	9999	9999	0	6	0	0
29	12	20	0	9999	0	3	9999	9999	34	5	35	15
30	3		66	9999	0	6	9999	9999	61	5	9999	0
31	32		3		0		11	24		2		5

TABLE 7.5: 1964 Precipitation at the HUT in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	9999	17	1	38	9999	9999
2	9999	9999	9999	9999	9999	9999	8	6	13	19	9999	9999
3	9999	9999	9999	9999	9999	9999	3	18	0	9999	9999	9999
4	9999	9999	9999	9999	9999	9999	0	7	0	9999	9999	9999
5	9999	9999	9999	9999	9999	9999	1	0	0	2	9999	9999
6	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
7	9999	9999	9999	9999	9999	9999	4	0	8	9999	9999	9999
8	9999	9999	9999	9999	9999	9999	8	0	0	9999	9999	9999
9	9999	9999	9999	9999	9999	9999	0	10	0	9999	9999	9999
10	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
11	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
12	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
13	9999	9999	9999	9999	9999	9999	0	2	0	9999	9999	9999
14	9999	9999	9999	9999	9999	9999	8	0	0	9999	9999	9999
15	9999	9999	9999	9999	9999	9999	27	0	7	9999	9999	9999
16	9999	9999	9999	9999	9999	9999	5	0	11	9999	9999	9999
17	9999	9999	9999	9999	9999	9999	0	0	44	9999	9999	9999
18	9999	9999	9999	9999	9999	9999	0	13	9999	9999	9999	9999
19	9999	9999	9999	9999	9999	9999	0	7	9999	9999	9999	9999
20	9999	9999	9999	9999	9999	9999	6	0	9999	9999	9999	9999
21	9999	9999	9999	9999	9999	1	17	0	19	9999	9999	9999
22	9999	9999	9999	9999	9999	0	2	0	5	9999	9999	9999
23	9999	9999	9999	9999	9999	1	0	0	9999	9999	9999	9999
24	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999	9999
25	9999	9999	9999	9999	9999	0	0	15	5	9999	9999	9999
26	9999	9999	9999	9999	9999	2	0	14	9999	9999	9999	9999
27	9999	9999	9999	9999	9999	12	0	28	9999	9999	9999	9999
28	9999	9999	9999	9999	9999	2	0	11	9999	9999	9999	9999
29	9999		9999	9999	9999	9999	0	19	9999	9999	9999	9999
30	9999		9999	9999	9999	9999	5	4	9999	9999	9999	9999
31	9999		9999		9999		7	3		9999		9999

TABLE 7.6: 1964 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN
01/01	1	-3	2	0	02/27	58	-3	9	1	11/05	310	-3	4	1
01/02	2	-4	-3	-3	02/28	59	-6	-4	-5	11/06	311	1	6	3
01/03	3	-3	-2	-3	02/29	60	-6	-2	-4	11/07	312	-3	1	-1
01/04	4	-6	-4	-5						11/08	313	-1	1	-1
01/05	5	-5	-3	-4	03/01	61	-6	-4	-5	11/09	314	-2	2	-1
01/06	6	-7	-2	-4	03/02	62	-6	-4	-5	11/10	315	-4	-1	-2
01/07	7	-9	-6	-7	03/03	63	-5	-2	-3	11/11	316	-5	-2	-4
01/08	8	-7	-1	-3	03/04	64	-5	-1	-3	11/12	317	-5	-2	-4
01/09	9	-5	-4	-5	03/05	65	-7	-3	-5	11/13	318	-8	-1	-6
01/10	10	-4	-3	-4	03/06	66	-11	0	-5	11/14	319	-8	-2	-5
01/11	11	-4	-3	-4	03/07	67	-10	-2	-6	11/15	320	-5	6	0
01/12	12	-4	2	-1	03/08	68	-6	-3	-4	11/16	321	1	13	7
01/13	13	-6	0	-3	03/09	69	-7	-4	-6	11/17	322	0	8	4
01/14	14	-5	-3	-4	03/10	70	-4	-2	-3	11/18	323	-1	7	2
01/15	15	-4	1	-1	03/11	71	-7	-2	-4	11/19	324	0	9	2
01/16	16	-6	1	-4	03/12	72	-7	-2	-5	11/20	325	1	10	5
01/17	17	-6	-3	-4	03/13	73	-7	-2	-4	11/21	326	1	7	5
01/18	18	-6	-4	-5	03/14	74	-2	-1	-1	11/22	327	-1	3	1
01/19	19	-7	-2	-4	03/15	75	-4	-1	-2	11/23	328	0	2	1
01/20	20	-7	-4	-6	03/16	76	-3	1	-1	11/24	329	-4	1	-2
01/21	21	-6	-3	-5	03/17	77	-4	-1	-2	11/25	330	-4	-3	-3
01/22	22	-7	-4	-6	03/18	78	-9	-3	-6	11/26	331	-11	-3	-6
01/23	23	-7	-4	-6	03/19	79	-8	0	-3	11/27	332	-10	-6	-8
01/24	24	-4	0	-2	03/20	80	-4	2	-2	11/28	333	-8	-5	-7
01/25	25	-7	-1	-3	03/21	81	-6	3	-3	11/29	334	-6	3	1
01/26	26	-7	2	-2						11/30	335	1	3	3
01/27	27	-4	2	-2	10/06	280	12	19	15					
01/28	28	-5	2	-2	10/07	281	6	17	14	12/01	336	1	3	2
01/29	29	-4	0	-2	10/08	282	4	6	5	12/02	337	-1	1	-1
01/30	30	-4	-2	-3	10/09	283	3	5	4	12/03	338	-2	1	-1
01/31	31	-3	0	-2	10/10	284	2	12	8	12/04	339	-3	1	-1
					10/11	285	8	15	12	12/05	340	-4	2	-1
02/01	32	-7	-2	-3	10/12	286	10	16	13	12/06	341	-1	6	2
02/02	33	-7	4	0	10/13	287	4	11	7	12/07	342	-2	2	1
02/03	34	1	3	2	10/14	288	0	4	2	12/08	343	-2	0	-1
02/04	35	-7	4	-3	10/15	289	-2	0	-1	12/09	344	-4	-2	-3
02/05	36	-8	-2	-6	10/16	290	-2	-1	-1	12/10	345	-8	-2	-4
02/06	37	-6	6	-1	10/17	291	-3	2	-1	12/11	346	-9	-8	-9
02/07	38	-5	7	-1	10/18	292	1	14	9	12/12	347	-9	-4	-6
02/08	39	-4	3	-1	10/19	293	9	14	12	12/13	348	-7	-4	-6
02/09	40	-1	8	2	10/20	294	8	16	11	12/14	349	-8	-3	-6
02/10	41	-6	1	-2	10/21	295	7	14	11	12/15	350	-22	-7	-13
02/11	42	-9	-1	-6	10/22	296	7	12	9	12/16	351	-23	-12	-19
02/12	43	-8	-3	-6	10/23	297	4	13	8	12/17	352	-12	-3	-8
02/13	44	-7	-3	-5	10/24	298	-1	4	3	12/18	353	-8	-5	-7
02/14	45	-8	-3	-5	10/25	299	-2	3	-1	12/19	354	-11	-6	-8
02/15	46	-5	-3	-4	10/26	300	-3	2	-2	12/20	355	-6	-4	-5
02/16	47	-5	-2	-3	10/27	301	-2	1	-1	12/21	356	-6	-2	-3
02/17	48	-4	-1	-3	10/28	302	1	8	4	12/22	357	-3	1	-1
02/18	49	-4	0	-2	10/29	303	4	9	8	12/23	358	-9	-3	-6
02/19	50	-7	2	-2	10/30	304	3	5	4	12/24	359	-9	-4	-6
02/20	51	-1	9	4	10/31	305	4	8	6	12/25	360	-13	-1	-7
02/21	52	-2	10	3						12/26	361	-4	-1	-2
02/22	53	-3	8	2	11/01	306	-1	5	2	12/27	362	-9	-4	-7
02/23	54	-7	4	-1	11/02	307	-3	-1	-2	12/28	363	-9	-5	-8
02/24	55	-9	1	-5	11/03	308	-1	2	-1	12/29	364	-10	-7	-9
02/25	56	-8	6	1	11/04	309	-3	2	1	12/30	365	-10	-8	-9
02/26	57	-7	7	-3						12/31	366	-10	-7	-9

TABLE 7.7a: 1964 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	9999	9999	9999	03/01	61	9999	9999	9999	05/01	122	9999	9999	9999
01/02	2	9999	9999	9999	03/02	62	9999	9999	9999	05/02	123	9999	9999	9999
01/03	3	9999	9999	9999	03/03	63	9999	9999	9999	05/03	124	9999	9999	9999
01/04	4	9999	9999	9999	03/04	64	9999	9999	9999	05/04	125	9999	9999	9999
01/05	5	9999	9999	9999	03/05	65	9999	9999	9999	05/05	126	9999	9999	9999
01/06	6	9999	9999	9999	03/06	66	9999	9999	9999	05/06	127	9999	9999	9999
01/07	7	9999	9999	9999	03/07	67	9999	9999	9999	05/07	128	9999	9999	9999
01/08	8	9999	9999	9999	03/08	68	9999	9999	9999	05/08	129	9999	9999	9999
01/09	9	9999	9999	9999	03/09	69	9999	9999	9999	05/09	130	9999	9999	9999
01/10	10	9999	9999	9999	03/10	70	9999	9999	9999	05/10	131	9999	9999	9999
01/11	11	9999	9999	9999	03/11	71	9999	9999	9999	05/11	132	0	7	3
01/12	12	9999	9999	9999	03/12	72	9999	9999	9999	05/12	133	-6	2	-1
01/13	13	9999	9999	9999	03/13	73	9999	9999	9999	05/13	134	-8	-3	-6
01/14	14	9999	9999	9999	03/14	74	9999	9999	9999	05/14	135	-8	4	-2
01/15	15	9999	9999	9999	03/15	75	9999	9999	9999	05/15	136	-3	8	3
01/16	16	9999	9999	9999	03/16	76	9999	9999	9999	05/16	137	-1	10	6
01/17	17	9999	9999	9999	03/17	77	9999	9999	9999	05/17	138	-2	3	1
01/18	18	9999	9999	9999	03/18	78	9999	9999	9999	05/18	139	1	11	6
01/19	19	9999	9999	9999	03/19	79	9999	9999	9999	05/19	140	2	9	5
01/20	20	9999	9999	9999	03/20	80	9999	9999	9999	05/20	141	-2	6	1
01/21	21	9999	9999	9999	03/21	81	9999	9999	9999	05/21	142	-6	-2	-4
01/22	22	9999	9999	9999	03/22	82	9999	9999	9999	05/22	143	-6	-2	-4
01/23	23	9999	9999	9999	03/23	83	9999	9999	9999	05/23	144	-5	2	-2
01/24	24	9999	9999	9999	03/24	84	9999	9999	9999	05/24	145	-7	-2	-4
01/25	25	9999	9999	9999	03/25	85	9999	9999	9999	05/25	146	-5	4	0
01/26	26	9999	9999	9999	03/26	86	9999	9999	9999	05/26	147	3	12	6
01/27	27	9999	9999	9999	03/27	87	9999	9999	9999	05/27	148	5	12	7
01/28	28	9999	9999	9999	03/28	88	9999	9999	9999	05/28	149	3	11	7
01/29	29	9999	9999	9999	03/29	89	9999	9999	9999	05/29	150	3	14	8
01/30	30	9999	9999	9999	03/30	90	9999	9999	9999	05/30	151	6	13	8
01/31	31	9999	9999	9999	03/31	91	9999	9999	9999	05/31	152	7	12	9
02/01	32	9999	9999	9999	04/01	92	9999	9999	9999	06/01	153	4	11	7
02/02	33	9999	9999	9999	04/02	93	9999	9999	9999	06/02	154	1	7	3
02/03	34	9999	9999	9999	04/03	94	9999	9999	9999	06/03	155	1	9	6
02/04	35	9999	9999	9999	04/04	95	9999	9999	9999	06/04	156	4	8	6
02/05	36	9999	9999	9999	04/05	96	9999	9999	9999	06/05	157	2	11	6
02/06	37	9999	9999	9999	04/06	97	9999	9999	9999	06/06	158	2	8	3
02/07	38	9999	9999	9999	04/07	98	9999	9999	9999	06/07	159	1	4	3
02/08	39	9999	9999	9999	04/08	99	9999	9999	9999	06/08	160	0	10	4
02/09	40	9999	9999	9999	04/09	100	9999	9999	9999	06/09	161	7	16	10
02/10	41	9999	9999	9999	04/10	101	9999	9999	9999	06/10	162	4	10	8
02/11	42	9999	9999	9999	04/11	102	9999	9999	9999	06/11	163	2	7	4
02/12	43	9999	9999	9999	04/12	103	9999	9999	9999	06/12	164	2	8	4
02/13	44	9999	9999	9999	04/13	104	9999	9999	9999	06/13	165	3	11	7
02/14	45	9999	9999	9999	04/14	105	9999	9999	9999	06/14	166	4	10	6
02/15	46	9999	9999	9999	04/15	106	9999	9999	9999	06/15	167	3	13	7
02/16	47	9999	9999	9999	04/16	107	9999	9999	9999	06/16	168	-1	5	1
02/17	48	9999	9999	9999	04/17	108	9999	9999	9999	06/17	169	-1	3	1
02/18	49	9999	9999	9999	04/18	109	9999	9999	9999	06/18	170	-1	1	0
02/19	50	9999	9999	9999	04/19	110	9999	9999	9999	06/19	171	-1	5	1
02/20	51	9999	9999	9999	04/20	111	9999	9999	9999	06/20	172	-1	6	2
02/21	52	9999	9999	9999	04/21	112	9999	9999	9999	06/21	173	1	4	2
02/22	53	9999	9999	9999	04/22	113	9999	9999	9999	06/22	174	2	12	8
02/23	54	9999	9999	9999	04/23	114	9999	9999	9999	06/23	175	4	11	8
02/24	55	9999	9999	9999	04/24	115	9999	9999	9999	06/24	176	3	11	6
02/25	56	9999	9999	9999	04/25	116	9999	9999	9999	06/25	177	3	14	9
02/26	57	9999	9999	9999	04/26	117	9999	9999	9999	06/26	178	-1	12	6
02/27	58	9999	9999	9999	04/27	118	9999	9999	9999	06/27	179	-3	-1	-2
02/28	59	9999	9999	9999	04/28	119	9999	9999	9999	06/28	180	-2	3	0
02/29	60	9999	9999	9999	04/29	120	9999	9999	9999	06/29	181	1	14	8
					04/30	121	9999	9999	9999	06/30	182	8	14	11

TABLE 7.7b: 1964 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	183	7	17	12	09/01	245	2	6	3	11/01	306	-4	3	-1
07/02	184	3	7	4	09/02	246	1	3	2	11/02	307	-7	-2	-4
07/03	185	3	8	4	09/03	247	1	9	6	11/03	308	-4	-1	-3
07/04	186	4	12	8	09/04	248	5	14	8	11/04	309	-6	1	-1
07/05	187	4	9	6	09/05	249	5	11	8	11/05	310	-6	-1	-4
07/06	188	3	12	8	09/06	250	3	9	6	11/06	311	-2	2	1
07/07	189	10	17	13	09/07	251	-1	6	2	11/07	312	-7	-1	-4
07/08	190	2	16	9	09/08	252	-1	1	0	11/08	313	-7	-2	-4
07/09	191	0	11	4	09/09	253	-1	7	3	11/09	314	-4	-1	-2
07/10	192	8	16	11	09/10	254	1	9	5	11/10	315	-6	-3	-4
07/11	193	12	22	16	09/11	255	3	10	7	11/11	316	-9	-6	-7
07/12	194	12	21	17	09/12	256	6	14	10	11/12	317	-8	-7	-8
07/13	195	9	17	13	09/13	257	5	14	9	11/13	318	-11	-6	-8
07/14	196	7	11	8	09/14	258	2	5	4	11/14	319	-11	-7	-8
07/15	197	1	7	2	09/15	259	2	9	7	11/15	320	-7	2	-2
07/16	198	2	8	4	09/16	260	3	13	9	11/16	321	-1	9	6
07/17	199	7	13	9	09/17	261	-2	3	0	11/17	322	-1	8	3
07/18	200	2	4	3	09/18	262	-3	4	2	11/18	323	-1	4	1
07/19	201	2	16	9	09/19	263	0	6	3	11/19	324	0	8	2
07/20	202	4	13	8	09/20	264	-1	1	0	11/20	325	1	7	4
07/21	203	3	6	4	09/21	265	0	4	2	11/21	326	1	4	3
07/22	204	2	4	3	09/22	266	4	6	5	11/22	327	-3	1	-2
07/23	205	2	12	7	09/23	267	6	12	9	11/23	328	-1	0	-1
07/24	206	9	16	12	09/24	268	3	13	9	11/24	329	-7	0	-4
07/25	207	9	17	12	09/25	269	-1	5	2	11/25	330	-7	-5	-6
07/26	208	9	16	12	09/26	270	2	11	6	11/26	331	-13	-6	-9
07/27	209	11	22	17	09/27	271	6	13	9	11/27	332	-13	-11	-12
07/28	210	11	21	16	09/28	272	4	9	6	11/28	333	-12	-9	-11
07/29	211	7	12	9	09/29	273	1	4	2	11/29	334	-9	1	-3
07/30	212	0	6	3	09/30	274	-3	1	-1	11/30	335	0	2	1
07/31	213	0	6	2	10/01	275	-3	0	-2	12/01	336	9999	9999	9999
08/01	214	2	5	4	10/02	276	-3	1	-1	12/02	337	9999	9999	9999
08/02	215	2	8	4	10/03	277	-3	4	-1	12/03	338	9999	9999	9999
08/03	216	4	9	7	10/04	278	2	8	6	12/04	339	9999	9999	9999
08/04	217	2	6	3	10/05	279	10	16	13	12/05	340	9999	9999	9999
08/05	218	2	14	7	10/06	280	14	18	16	12/06	341	9999	9999	9999
08/06	219	7	16	11	10/07	281	6	16	11	12/07	342	9999	9999	9999
08/07	220	3	13	9	10/08	282	3	6	4	12/08	343	9999	9999	9999
08/08	221	4	10	7	10/09	283	2	4	3	12/09	344	9999	9999	9999
08/09	222	3	7	4	10/10	284	1	10	6	12/10	345	9999	9999	9999
08/10	223	7	16	11	10/11	285	9	13	11	12/11	346	9999	9999	9999
08/11	224	11	21	14	10/12	286	11	14	12	12/12	347	9999	9999	9999
08/12	225	4	11	7	10/13	287	2	12	7	12/13	348	9999	9999	9999
08/13	226	2	6	4	10/14	288	-2	2	0	12/14	349	9999	9999	9999
08/14	227	1	13	6	10/15	289	-5	-2	-4	12/15	350	9999	9999	9999
08/15	228	4	13	8	10/16	290	-6	-3	-4	12/16	351	9999	9999	9999
08/16	229	4	14	9	10/17	291	-6	0	-3	12/17	352	9999	9999	9999
08/17	230	4	14	9	10/18	292	-1	13	6	12/18	353	9999	9999	9999
08/18	231	0	5	2	10/19	293	10	14	12	12/19	354	9999	9999	9999
08/19	232	0	3	2	10/20	294	10	16	12	12/20	355	9999	9999	9999
08/20	233	2	13	8	10/21	295	8	16	11	12/21	356	9999	9999	9999
08/21	234	9	19	14	10/22	296	5	10	7	12/22	357	9999	9999	9999
08/22	235	13	19	16	10/23	297	3	11	8	12/23	358	9999	9999	9999
08/23	236	11	17	14	10/24	298	-2	3	1	12/24	359	9999	9999	9999
08/24	237	9	18	12	10/25	299	-4	-2	-4	12/25	360	9999	9999	9999
08/25	238	2	13	7	10/26	300	-6	-4	-5	12/26	361	9999	9999	9999
08/26	239	1	3	2	10/27	301	-6	1	-4	12/27	362	9999	9999	9999
08/27	240	-1	3	2	10/28	302	0	7	3	12/28	363	9999	9999	9999
08/28	241	-1	2	1	10/29	303	3	9	7	12/29	364	9999	9999	9999
08/29	242	-2	3	1	10/30	304	2	3	2	12/30	365	9999	9999	9999
08/30	243	-2	2	0	10/31	305	2	5	4	12/31	366	9999	9999	9999
08/31	244	1	7	2										

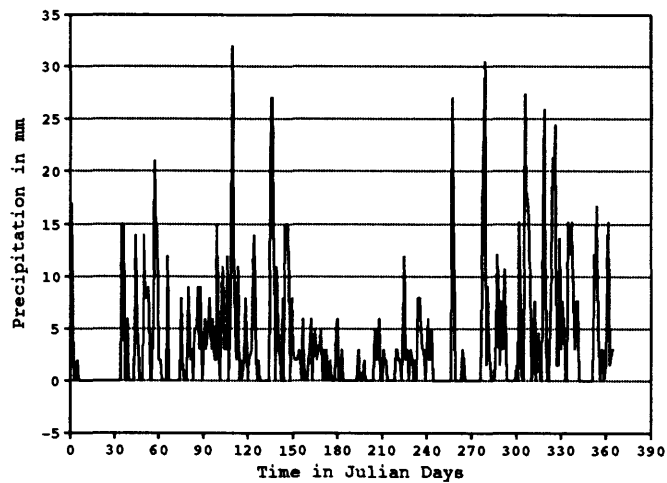
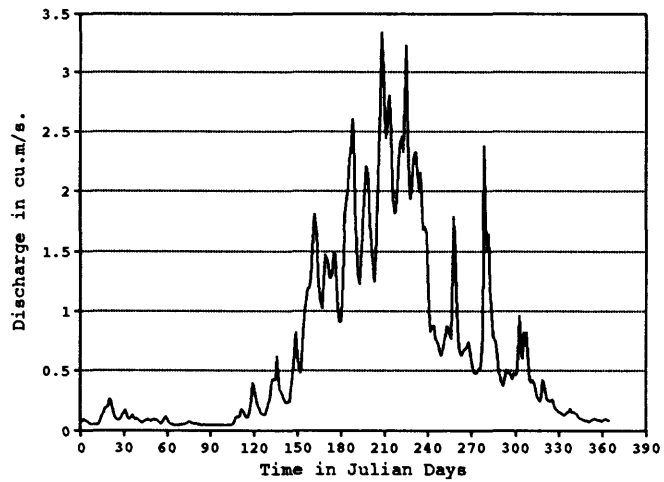
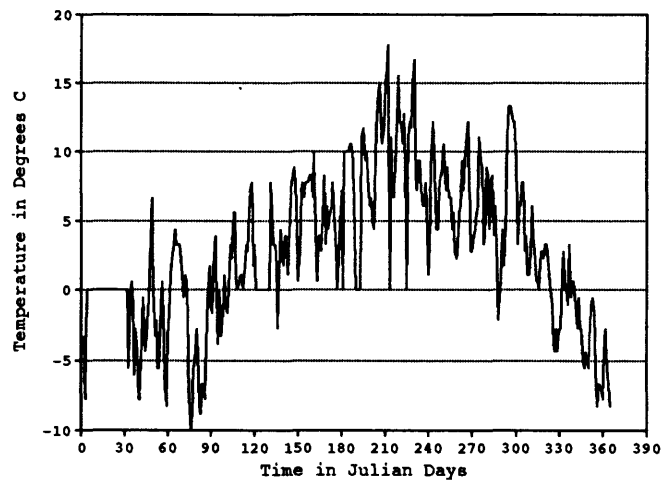


FIGURE 9: 1965 daily mean air temperature, daily mean discharge, and daily precipitation at the Gaging Station on South Fork Cascade River.

TABLE 8.1: 1965 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.071	0.14	0.091	0.045	0.31	0.48	1.5	2.8	0.88	0.48	0.59	0.14
2	0.091	0.11	0.071	0.045	0.23	0.59	1.8	2.7	0.76	0.51	0.82	0.16
3	0.085	0.091	0.062	0.042	0.20	0.82	1.9	2.3	0.74	0.51	0.71	0.16
4	0.076	0.11	0.054	0.042	0.17	1.0	2.0	1.9	0.71	0.59	0.82	0.18
5	0.068	0.13	0.051	0.042	0.14	1.1	2.3	1.8	0.65	0.79	0.57	0.16
6	0.059	0.12	0.045	0.042	0.13	1.2	2.3	1.8	0.62	2.4	0.42	0.16
7	0.057	0.093	0.045	0.042	0.13	1.2	2.6	2.0	0.68	1.7	0.40	0.16
8	0.054	0.10	0.045	0.042	0.13	1.3	2.5	2.3	0.74	1.5	0.42	0.14
9	0.054	0.093	0.045	0.042	0.17	1.5	1.9	2.4	0.79	1.6	0.40	0.12
10	0.051	0.079	0.045	0.045	0.23	1.7	1.5	2.5	0.88	1.2	0.34	0.11
11	0.051	0.068	0.051	0.048	0.26	1.8	1.3	2.3	0.85	0.96	0.28	0.099
12	0.051	0.062	0.054	0.045	0.37	1.7	1.2	2.7	0.79	0.79	0.26	0.093
13	0.051	0.071	0.054	0.045	0.42	1.3	1.4	3.2	0.76	0.76	0.24	0.088
14	0.099	0.079	0.059	0.048	0.42	1.2	1.7	2.5	1.4	0.74	0.27	0.082
15	0.13	0.082	0.062	0.054	0.42	1.1	2.0	2.1	1.8	0.62	0.42	0.082
16	0.14	0.091	0.071	0.065	0.62	1.0	2.2	1.9	1.3	0.48	0.40	0.074
17	0.18	0.085	0.071	0.099	0.48	1.2	2.2	2.0	0.99	0.45	0.31	0.071
18	0.20	0.074	0.065	0.12	0.34	1.5	2.1	2.3	0.76	0.40	0.26	0.079
19	0.20	0.088	0.062	0.11	0.31	1.4	1.7	2.3	0.65	0.37	0.25	0.085
20	0.25	0.093	0.059	0.12	0.28	1.4	1.5	2.3	0.62	0.45	0.24	0.096
21	0.25	0.085	0.059	0.17	0.26	1.3	1.4	2.2	0.65	0.51	0.25	0.10
22	0.20	0.085	0.059	0.17	0.23	1.3	1.2	2.0	0.68	0.48	0.26	0.091
23	0.14	0.074	0.054	0.14	0.23	1.3	1.5	2.2	0.68	0.48	0.21	0.085
24	0.11	0.065	0.051	0.12	0.23	1.5	1.9	1.9	0.71	0.45	0.18	0.085
25	0.091	0.059	0.048	0.11	0.24	1.5	2.3	1.7	0.74	0.42	0.17	0.082
26	0.085	0.068	0.048	0.11	0.34	1.2	2.7	1.7	0.68	0.48	0.16	0.074
27	0.085	0.099	0.051	0.15	0.54	1.0	3.3	1.6	0.59	0.45	0.16	0.085
28	0.099	0.12	0.048	0.25	0.74	0.91	3.0	1.3	0.51	0.48	0.15	0.093
29	0.13		0.048	0.40	0.82	0.91	2.6	1.0	0.48	0.62	0.13	0.096
30	0.16		0.045	0.37	0.62	1.1	2.4	0.82	0.48	0.96	0.12	0.088
31	0.17		0.042		0.51		2.5	0.88		0.65		0.082
TOTAL	3.5	2.5	1.7	3.2	11	36	63	63	24	23	10	3.3
MEAN	0.11	0.089	0.056	0.11	0.34	1.2	2.0	2.0	0.78	0.75	0.34	0.11
MAX	0.25	0.14	0.091	0.40	0.82	1.8	3.3	3.2	1.8	2.4	0.82	0.18
MIN	0.051	0.059	0.042	0.042	0.13	0.48	1.2	0.82	0.48	0.37	0.12	0.071

TABLE 8.2: 1965 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0028	0.0057	0.0028	0.0057	0.017	0.020	0.096	0.0057	0.0028	0.0017	0.0065	9999
2	0.0028	0.0057	0.0028	0.0057	0.014	0.040	0.093	0.0057	0.0028	0.0017	0.037	9999
3	0.0028	0.0028	0.0028	0.0028	0.011	0.059	0.091	0.0057	0.0028	0.0014	0.037	9999
4	0.0028	0.0028	0.0028	0.0028	0.0085	0.074	0.088	0.0057	0.0028	0.0023	0.037	9999
5	0.0028	0.0028	0.0028	0.0057	0.0085	0.079	0.082	0.0057	0.0028	0.027	0.018	9999
6	0.0028	0.0028	0.0028	0.0057	0.0057	0.088	0.088	0.0057	0.0028	0.074	0.015	9999
7	0.0028	0.0028	0.0028	0.0028	0.0085	0.085	0.076	0.0057	0.0028	0.0093	0.025	9999
8	0.0028	0.0028	0.0028	0.0028	0.014	0.091	0.051	0.0028	0.0028	0.0074	0.031	9999
9	0.0028	0.0028	0.0028	0.0028	0.025	0.091	0.042	0.0057	0.0028	0.0079	0.018	9999
10	0.0028	0.0028	0.0057	0.0028	0.034	0.099	0.034	0.0057	0.0028	0.0051	0.012	9999
11	0.0028	0.0028	0.0057	0.0028	0.037	0.071	0.028	0.0057	0.0028	0.0045	0.010	9999
12	0.00	0.0028	0.0057	0.0028	0.054	0.054	0.037	0.0085	0.0028	0.0051	0.0088	9999
13	0.00	0.0028	0.0085	0.0057	0.051	0.048	0.042	0.025	0.0057	0.0045	0.0093	9999
14	0.0057	0.0028	0.0085	0.0057	0.048	0.051	0.042	0.0085	0.025	0.012	0.027	9999
15	0.0057	0.0028	0.0085	0.017	0.048	0.054	0.040	0.0057	0.025	0.012	0.048	9999
16	0.0057	0.0028	0.0085	0.023	0.076	0.076	0.037	0.0057	0.0085	0.0088	0.019	9999
17	0.0085	0.0028	0.0085	0.014	0.031	0.082	0.037	0.0057	0.0057	0.012	0.012	9999
18	0.0057	0.0057	0.0057	0.011	0.023	0.071	0.028	0.0028	0.0028	0.0085	0.011	9999
19	0.0057	0.0057	0.0057	0.0085	0.023	0.059	0.023	0.0028	0.0028	0.0074	0.010	9999
20	0.0085	0.0057	0.0057	0.023	0.028	0.057	0.020	0.0057	0.0028	0.031	0.010	9999
21	0.0085	0.0057	0.0057	0.014	0.020	0.057	0.017	0.0057	0.0028	0.019	0.0079	9999
22	0.0057	0.0028	0.0057	0.011	0.025	0.062	0.017	0.0057	0.0028	0.012	0.0071	9999
23	0.0057	0.0028	0.0057	0.0085	0.025	0.071	0.017	0.014	0.0028	0.0088	0.0071	9999
24	0.0057	0.0028	0.0057	0.014	0.023	0.065	0.017	0.011	0.0028	0.0071	0.0071	9999
25	0.0057	0.0028	0.0028	0.020	0.034	0.059	0.014	0.0085	0.0028	0.0062	0.0057	9999
26	0.0057	0.0028	0.0028	0.034	0.059	0.051	0.014	0.0085	0.0028	0.0054	0.0057	9999
27	0.0057	0.0028	0.0028	0.045	0.071	0.040	0.017	0.0057	0.0028	0.0057	0.0057	9999
28	0.0028	0.0028	0.0028	0.059	0.071	0.054	0.014	0.0085	0.0028	0.0062	0.0057	9999
29	0.0028		0.0028	0.034	0.051	0.065	0.011	0.0057	0.0028	0.016	0.0057	9999
30	0.0085		0.0028	0.028	0.034	0.082	0.0085	0.0057	0.0028	0.014	0.0057	9999
31	0.0085		0.0028		0.025		0.0085	0.0057		0.0079		9999
TOTAL	0.14	0.096	0.14	0.42	1.0	2.0	1.2	0.22	0.14	0.35	0.46	
MEAN	0.0045	0.0034	0.0045	0.014	0.033	0.065	0.040	0.0071	0.0048	0.011	0.016	
MAX	0.0085	0.0057	0.0085	0.059	0.076	0.099	0.096	0.025	0.025	0.074	0.048	
MIN	0.00	0.0028	0.0028	0.0028	0.0057	0.020	0.0085	0.0028	0.0028	0.0014	0.0057	

TABLE 8.3: 1965 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

	DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER		
			MAX SLO	MIN SLO	CURR	WET	DRY	%HUM	DIR	RUN (KM)		SPEED (KM/HR)	
JUN	28	1830	9	1	6	9999	9999	9999	SW	9999	9999	10	
JUL	9	1930	8	0	3	9999	9999	9999	W	9999	9999	10	
	10	1900	4	2	2	9999	9999	9999	WSW	9999	9999	10	
	11	2000	4	2	3	9999	9999	9999	NW	936.8	37.5	10	
	12	1900	12	2	10	8.1	10.0	77	W	9999	9999	1	
	13	1915	17	8	14	8.3	15.0	35	S	430.5	17.8	1.5	
	14	1915	17	11	12	9.4	13.3	55	NNW	299.7	12.5	7	
	15	2130	15	7	9	5.6	8.9	61	W	193.0	7.4	8	
	17	1945	13	6	6	5.0	6.1	82	W	304.2	6.6	10	
	18	2000	9	2	4	3.3	5.0	76	NW	262.3	10.8	0	
	19	2045	12	3	6	5.0	6.1	85	W	101.4	4.1	7	
	20	9999	6	2	9999	9999	9999	9999	***	9999	9999	10	
	21	2115	4	2	3	9999	9999	9999	C	297.7	6.1	9.5	
	22	1830	14	3	12	8.9	11.7	68	SW	119.1	5.6	2	
	27	1930	18	9	13	11.1	13.3	73	SW	1686.1	13.9	1	
	28	1750	22	10	20	10.0	19.4	28	SW	91.7	4.1	0	
	29	1900	23	15	21	9.4	21.1	18	W	285.5	11.3	0	
	31	1935	26	16	21	11.7	21.7	29	SW	692.2	28.3	5	
	AUG	1	1900	26	18	19	11.1	20.0	29	SW	207.9	8.8	6
		2	1845	18	11	12	8.9	12.2	70	WNW	90.0	3.8	10
		3	1930	11	7	7	7.8	7.8	100	WNW	83.8	3.4	10
4		1830	9	6	7	7.2	7.2	100	WNW	62.4	2.7	10	
7		1910	22	13	14	11.9	16.9	58	S	444.0	6.1	1	
8		9999	18	11	10	10.3	12.8	74	W	9999	9999	9	
11		1830	19	7	12	10.0	11.7	92	SE	947.4	9.9	10	
12		1605	12	4	4	5.3	5.6	100	NW	547.0	25.4	10	
13		1930	9	3	6	5.6	7.5	74	NW	512.1	18.6	1	
14		2030	17	6	12	8.3	12.2	61	W	267.8	10.7	4	
	15	1730	18	11	16	10.6	16.7	45	W	107.2	5.1	***	
	16	1915	18	9	13	10.6	15.0	58	WNW	166.7	6.5	1	
	19	1815	17	9	9	9999	9999	9999	W	732.3	10.3	10	
	20	1900	9	7	8	9999	9999	9999	W	113.5	4.6	10	
	21	1825	14	7	12	10.0	11.1	88	W	86.9	3.7	9	
	22	1900	14	9	9	9999	9999	9999	W	101.4	4.1	10	
	25	1830	5	4	5	9999	9999	9999	WSW	381.4	5.3	10	
	26	1950	7	4	6	9999	9999	9999	S	246.2	9.7	10	
	27	2045	4	-1	0	-0.6	0.0	90	SWS	169.0	6.8	7	
	28	1820	1	-2	-1	9999	9999	9999	WSW	247.8	11.5	10	
	29	1820	5	-2	4	2.2	3.9	74	W	140.0	5.8	0	
	30	1940	13	1	10	5.6	10.0	50	W	254.3	10.0	0	
	SEPT	1	1730	17	7	9	5.8	10.3	50	W	695.2	15.2	2
		2	1755	10	2	2	9999	9999	9999	W	197.9	8.1	10
		3	1700	7	1	4	3.6	4.2	91	WSW	257.5	11.2	10
		5	1715	13	4	12	5.6	12.8	29	SW	725.8	15.0	0
		7	1830	14	7	11	6.4	11.1	49	W	247.8	5.0	0

TABLE 8.4: 1965 Precipitation at the GAGING STATION in mm.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17	0	2	6	2	2	0	2	0	0	0	15
2	5	0	2	3	3	2	3	0	0	0	27	12
3	0	0	0	5	11	3	0	0	0	0	18	15
4	0	15	0	8	14	2	0	0	0	9	17	8
5	2	15	0	3	2	0	0	0	0	21	14	3
6	9999	9999	0	6	0	6	0	0	0	31	0	8
7	9999	9999	12	2	2	0	0	3	0	2	2	8
8	9999	6	0	2	0	0	0	3	0	9	8	0
9	9999	9999	0	15	0	0	0	2	0	3	0	0
10	9999	9999	0	3	0	2	0	2	0	0	3	0
11	9999	9999	0	0	0	6	0	0	0	0	5	0
12	9999	9999	0	9	0	0	0	6	0	0	0	0
13	9999	14	0	11	0	3	3	12	0	2	0	0
14	9999	5	0	3	0	5	0	2	27	12	15	0
15	9999	3	0	3	27	2	0	3	17	8	26	0
16	9999	9999	8	12	27	3	0	0	0	2	3	0
17	9999	9999	2	0	11	3	2	3	0	8	0	0
18	9999	9999	0	6	0	5	0	2	0	3	0	12
19	9999	14	0	32	11	0	0	0	0	11	11	9
20	9999	8	0	14	5	3	0	2	0	6	21	17
21	9999	8	9	5	3	0	0	0	3	0	18	5
22	9999	9	2	2	0	3	0	8	2	0	24	0
23	9999	0	3	11	8	0	0	8	0	0	2	3
24	9999	0	0	0	0	2	5	5	0	0	2	3
25	9999	6	5	2	15	0	2	3	0	0	14	0
26	9999	21	5	0	15	0	3	3	0	0	3	2
27	9999	14	9	2	15	0	6	0	0	2	8	11
28	9999	15	3	8	0	5	0	3	0	0	5	15
29	9999		9	5	8	6	0	6	0	15	0	2
30	9999		0	0	3	0	3	2	0	2	0	3
31	9999		2		2		2	5		0		3

TABLE 8.5: 1965 Precipitation at the HUT in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	8	0	0	1	9999	9999
2	9999	9999	9999	9999	9999	9999	0	1	0	0	9999	9999
3	9999	9999	9999	9999	9999	9999	0	4	0	0	9999	9999
4	9999	9999	9999	9999	9999	9999	0	2	0	11	9999	9999
5	9999	9999	9999	9999	9999	9999	0	0	0	26	9999	9999
6	9999	9999	9999	9999	9999	9999	0	0	0	37	9999	9999
7	9999	9999	9999	9999	9999	9999	1	0	0	2	9999	9999
8	9999	9999	9999	9999	9999	9999	2	0	0	11	9999	9999
9	9999	9999	9999	9999	9999	9999	2	3	2	4	9999	9999
10	9999	9999	9999	9999	9999	1	5	8	0	0	9999	9999
11	9999	9999	9999	9999	9999	16	1	1	2	0	9999	9999
12	9999	9999	9999	9999	9999	3	0	22	0	0	9999	9999
13	9999	9999	9999	9999	9999	1	0	13	12	2	9999	9999
14	9999	9999	9999	9999	9999	1	0	0	23	15	9999	9999
15	9999	9999	9999	9999	9999	3	0	0	16	9	9999	9999
16	9999	9999	9999	9999	9999	0	0	0	0	2	9999	9999
17	9999	9999	9999	9999	9999	2	0	0	0	9	9999	9999
18	9999	9999	9999	9999	9999	0	0	0	0	4	9999	9999
19	9999	9999	9999	9999	9999	1	2	3	0	13	9999	9999
20	9999	9999	9999	9999	9999	9999	8	9	0	7	9999	9999
21	9999	9999	9999	9999	9999	9999	1	0	0	9999	9999	9999
22	9999	9999	9999	9999	9999	9999	0	9	0	9999	9999	9999
23	9999	9999	9999	9999	9999	9999	0	12	0	9999	9999	9999
24	9999	9999	9999	9999	9999	9999	0	5	0	9999	9999	9999
25	9999	9999	9999	9999	9999	9999	0	5	0	9999	9999	9999
26	9999	9999	9999	9999	9999	9999	14	13	1	9999	9999	9999
27	9999	9999	9999	9999	9999	9999	0	2	0	9999	9999	9999
28	9999	9999	9999	9999	9999	9999	0	11	0	9999	9999	9999
29	9999		9999	9999	9999	9999	0	1	0	9999	9999	9999
30	9999		9999	9999	9999	9999	0	0	0	9999	9999	9999
31	9999		9999		9999		0	0		9999		9999

TABLE 8.6a: 1965 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-7	-3	-4	03/01	60	-11	1	-3	05/01	121	9999	9999	9999
01/02	2	-3	-3	-3	03/02	61	-2	-1	-2	05/02	122	9999	9999	9999
01/03	3	-11	-4	-8	03/03	62	-1	3	1	05/03	123	9999	9999	9999
01/04	4	9999	9999	9999	03/04	63	0	3	2	05/04	124	9999	9999	9999
01/05	5	9999	9999	9999	03/05	64	1	6	3	05/05	125	9999	9999	9999
01/06	6	9999	9999	9999	03/06	65	1	10	4	05/06	126	9999	9999	9999
01/07	7	9999	9999	9999	03/07	66	0	9	3	05/07	127	9999	9999	9999
01/08	8	9999	9999	9999	03/08	67	0	8	3	05/08	128	9999	9999	9999
01/09	9	9999	9999	9999	03/09	68	0	10	3	05/09	129	9999	9999	9999
01/10	10	9999	9999	9999	03/10	69	-1	8	2	05/10	130	9999	9999	9999
01/11	11	9999	9999	9999	03/11	70	-2	7	1	05/11	131	2	14	8
01/12	12	9999	9999	9999	03/12	71	-4	6	-1	05/12	132	0	9	6
01/13	13	9999	9999	9999	03/13	72	-4	9	1	05/13	133	-1	11	3
01/14	14	9999	9999	9999	03/14	73	-4	11	1	05/14	134	-2	12	3
01/15	15	9999	9999	9999	03/15	74	-5	2	-2	05/15	135	1	4	2
01/16	16	9999	9999	9999	03/16	75	-11	-2	-8	05/16	136	-6	2	-3
01/17	17	9999	9999	9999	03/17	76	-16	-2	-10	05/17	137	-3	12	1
01/18	18	9999	9999	9999	03/18	77	-13	1	-9	05/18	138	0	11	4
01/19	19	9999	9999	9999	03/19	78	-11	3	-6	05/19	139	0	6	3
01/20	20	9999	9999	9999	03/20	79	-6	7	-5	05/20	140	-1	7	2
01/21	21	9999	9999	9999	03/21	80	-4	-1	-3	05/21	141	-1	11	4
01/22	22	9999	9999	9999	03/22	81	-8	3	-4	05/22	142	1	7	4
01/23	23	9999	9999	9999	03/23	82	-12	-5	-8	05/23	143	0	3	1
01/24	24	9999	9999	9999	03/24	83	-13	-2	-9	05/24	144	0	12	4
01/25	25	9999	9999	9999	03/25	84	-9	-1	-7	05/25	145	2	14	7
01/26	26	9999	9999	9999	03/26	85	-9	-1	-7	05/26	146	1	12	8
01/27	27	9999	9999	9999	03/27	86	-9	-6	-8	05/27	147	6	13	9
01/28	28	9999	9999	9999	03/28	87	-6	-2	-4	05/28	148	4	13	8
01/29	29	9999	9999	9999	03/29	88	-1	9	-1	05/29	149	-1	8	4
01/30	30	9999	9999	9999	03/30	89	-1	8	2	05/30	150	-1	4	1
01/31	31	9999	9999	9999	03/31	90	-4	4	-1	05/31	151	-1	9	3
02/01	32	9999	9999	9999	04/01	91	-5	3	-2	06/01	152	-1	13	7
02/02	33	-11	-2	-6	04/02	92	-6	14	2	06/02	153	4	12	8
02/03	34	-3	2	-1	04/03	93	-3	13	4	06/03	154	3	11	7
02/04	35	-1	1	1	04/04	94	-3	3	-1	06/04	155	4	12	8
02/05	36	-6	1	-1	04/05	95	-6	-1	-4	06/05	156	4	13	8
02/06	37	-7	-4	-6	04/06	96	9999	9999	9999	06/06	157	3	14	8
02/07	38	-7	0	-3	04/07	97	-6	0	-3	06/07	158	7	12	8
02/08	39	-6	-1	-4	04/08	98	-6	1	-2	06/08	159	4	13	8
02/09	40	-12	-2	-8	04/09	99	-1	4	1	06/09	160	3	13	7
02/10	41	-11	-3	-8	04/10	100	-2	2	-1	06/10	161	5	15	10
02/11	42	-9	-1	-5	04/11	101	-6	4	-2	06/11	162	-1	7	4
02/12	43	-4	2	-1	04/12	102	-7	10	0	06/12	163	-1	4	1
02/13	44	-6	-1	-3	04/13	103	-3	16	3	06/13	164	0	11	4
02/14	45	-6	-1	-4	04/14	104	-1	9	2	06/14	165	1	10	4
02/15	46	-5	-2	-3	04/15	105	0	9	6	06/15	166	2	5	3
02/16	47	-3	1	-1	04/16	106	4	8	6	06/16	167	2	12	7
02/17	48	0	5	2	04/17	107	-3	4	1	06/17	168	4	16	8
02/18	49	2	12	7	04/18	108	-4	9	0	06/18	169	2	7	3
02/19	50	-3	4	0	04/19	109	-2	6	1	06/19	170	2	12	6
02/20	51	-6	0	-3	04/20	110	-1	3	1	06/20	171	2	6	4
02/21	52	-6	0	-2	04/21	111	-1	2	1	06/21	172	2	11	6
02/22	53	-9	-4	-6	04/22	112	9999	9999	9999	06/22	173	1	12	6
02/23	54	-9	-2	-6	04/23	113	-4	10	2	06/23	174	3	12	8
02/24	55	-8	3	-1	04/24	114	-2	11	3	06/24	175	2	12	6
02/25	56	-2	2	1	04/25	115	-1	9	3	06/25	176	1	7	3
02/26	57	-2	-1	-2	04/26	116	-1	12	6	06/26	177	-1	2	0
02/27	58	-9	-1	-6	04/27	117	2	12	7	06/27	178	-1	8	2
02/28	59	-12	-4	-8	04/28	118	4	12	8	06/28	179	0	10	5
					04/29	119	-3	6	2	06/29	180	4	12	7
					04/30	120	-4	11	3	06/30	181	9999	9999	9999

TABLE 8.6b: 1965 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	7	14	10	09/01	244	4	12	9	11/01	305	4	12	8
07/02	183	7	13	10	09/02	245	3	8	4	11/02	306	-1	6	3
07/03	184	7	14	10	09/03	246	2	8	4	11/03	307	1	5	4
07/04	185	6	17	10	09/04	247	3	11	7	11/04	308	0	3	1
07/05	186	7	16	11	09/05	248	6	12	8	11/05	309	0	2	1
07/06	187	7	16	11	09/06	249	5	13	8	11/06	310	1	4	3
07/07	188	4	14	9	09/07	250	7	17	11	11/07	311	3	8	6
07/08	189	2	7	4	09/08	251	7	12	9	11/08	312	2	8	4
07/09	190	9999	9999	9999	09/09	252	5	13	7	11/09	313	1	4	2
07/10	191	9999	9999	9999	09/10	253	6	13	9	11/10	314	-1	1	1
07/11	192	9999	9999	9999	09/11	254	4	11	7	11/11	315	-1	4	1
07/12	193	9999	9999	9999	09/12	255	3	11	7	11/12	316	9999	9999	9999
07/13	194	7	14	11	09/13	256	3	6	4	11/13	317	1	5	3
07/14	195	7	17	12	09/14	257	4	7	6	11/14	318	2	4	3
07/15	196	6	14	9	09/15	258	1	6	3	11/15	319	2	2	2
07/16	197	6	14	10	09/16	259	-1	7	2	11/16	320	2	4	3
07/17	198	4	14	8	09/17	260	2	7	3	11/17	321	2	4	3
07/18	199	3	11	6	09/18	261	3	10	6	11/18	322	1	3	2
07/19	200	3	12	7	09/19	262	4	9	6	11/19	323	-1	3	1
07/20	201	4	7	5	09/20	263	6	13	9	11/20	324	-1	0	0
07/21	202	3	6	4	09/21	264	6	8	7	11/21	325	-2	-1	-1
07/22	203	4	12	7	09/22	265	7	14	9	11/22	326	-7	-1	-4
07/23	204	7	16	12	09/23	266	7	16	11	11/23	327	-6	-3	-4
07/24	205	12	18	14	09/24	267	9	17	12	11/24	328	-4	-2	-3
07/25	206	11	19	15	09/25	268	4	13	8	11/25	329	-6	-3	-4
07/26	207	11	16	12	09/26	269	2	6	3	11/26	330	-4	-2	-3
07/27	208	8	13	11	09/27	270	0	7	3	11/27	331	-3	-2	-3
07/28	209	8	17	12	09/28	271	1	8	4	11/28	332	-1	4	1
07/29	210	12	21	15	09/29	272	1	8	4	11/29	333	1	4	3
07/30	211	12	21	16	09/30	273	4	10	6	11/30	334	-2	2	0
07/31	212	14	21	18	10/01	274	4	9	6	12/01	335	-1	1	0
08/01	213	9999	9999	9999	10/02	275	8	16	11	12/02	336	-2	0	-1
08/02	214	9	14	11	10/03	276	7	14	9	12/03	337	0	6	3
08/03	215	6	9	7	10/04	277	2	12	9	12/04	338	-2	0	-1
08/04	216	6	8	7	10/05	278	2	6	3	12/05	339	-2	3	1
08/05	217	6	13	9	10/06	279	2	6	4	12/06	340	-2	3	1
08/06	218	8	18	12	10/07	280	4	12	9	12/07	341	-2	3	-1
08/07	219	9	22	16	10/08	281	6	11	8	12/08	342	-4	-1	-3
08/08	220	9	18	12	10/09	282	2	9	4	12/09	343	-1	1	-1
08/09	221	10	15	12	10/10	283	6	11	8	12/10	344	-6	-1	-3
08/10	222	9	13	11	10/11	284	5	13	8	12/11	345	-4	0	-3
08/11	223	10	18	13	10/12	285	2	6	4	12/12	346	-7	-3	-5
08/12	224	6	13	9	10/13	286	4	9	6	12/13	347	-8	-3	-6
08/13	225	9999	9999	9999	10/14	287	-1	6	3	12/14	348	-6	-3	-4
08/14	226	6	16	11	10/15	288	-4	-1	-2	12/15	349	-8	-3	-5
08/15	227	9	18	12	10/16	289	-4	1	-1	12/16	350	-7	-3	-6
08/16	228	8	18	12	10/17	290	-1	2	1	12/17	351	-4	1	-2
08/17	229	10	19	15	10/18	291	4	5	4	12/18	352	-2	0	-1
08/18	230	12	21	17	10/19	292	-1	4	2	12/19	353	-2	0	-1
08/19	231	7	13	10	10/20	293	2	9	6	12/20	354	-3	-1	-2
08/20	232	7	8	7	10/21	294	8	15	11	12/21	355	-7	-3	-6
08/21	233	6	14	9	10/22	295	11	17	13	12/22	356	-10	-5	-8
08/22	234	8	13	9	10/23	296	11	17	13	12/23	357	-9	-3	-7
08/23	235	6	9	7	10/24	297	11	16	13	12/24	358	-9	-4	-7
08/24	236	6	7	6	10/25	298	10	16	12	12/25	359	-9	-5	-7
08/25	237	6	7	6	10/26	299	9	14	12	12/26	360	-9	-6	-8
08/26	238	6	9	8	10/27	300	4	13	9	12/27	361	-8	-2	-4
08/27	239	1	7	4	10/28	301	2	4	3	12/28	362	-7	-1	-3
08/28	240	1	2	1	10/29	302	3	8	6	12/29	363	-7	-4	-6
08/29	241	1	7	3	10/30	303	1	10	6	12/30	364	-7	-4	-7
08/30	242	3	14	9	10/31	304	6	11	8	12/31	365	-9	-7	-8
08/31	243	9	16	12										

TABLE 8.7a: 1965 Daily air temperature in degrees C at the HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	9999	9999	9999	03/01	60	-11	1	-4	05/01	121	9999	9999	9999
01/02	2	9999	9999	9999	03/02	61	-3	0	-2	05/02	122	9999	9999	9999
01/03	3	9999	9999	9999	03/03	62	-4	1	-1	05/03	123	9999	9999	9999
01/04	4	9999	9999	9999	03/04	63	-3	2	-1	05/04	124	9999	9999	9999
01/05	5	9999	9999	9999	03/05	64	-3	4	1	05/05	125	9999	9999	9999
01/06	6	9999	9999	9999	03/06	65	-1	9	4	05/06	126	9999	9999	9999
01/07	7	9999	9999	9999	03/07	66	3	11	6	05/07	127	9999	9999	9999
01/08	8	9999	9999	9999	03/08	67	3	8	6	05/08	128	9999	9999	9999
01/09	9	9999	9999	9999	03/09	68	2	7	4	05/09	129	9999	9999	9999
01/10	10	9999	9999	9999	03/10	69	0	7	3	05/10	130	9999	9999	9999
01/11	11	9999	9999	9999	03/11	70	0	4	2	05/11	131	3	10	7
01/12	12	9999	9999	9999	03/12	71	-3	2	-1	05/12	132	-1	6	3
01/13	13	9999	9999	9999	03/13	72	-2	3	1	05/13	133	-2	5	2
01/14	14	9999	9999	9999	03/14	73	-2	2	-1	05/14	134	-4	6	1
01/15	15	9999	9999	9999	03/15	74	-4	-1	-4	05/15	135	-1	2	1
01/16	16	9999	9999	9999	03/16	75	-16	-6	-10	05/16	136	-8	2	-6
01/17	17	9999	9999	9999	03/17	76	-17	-7	-14	05/17	137	-6	1	-3
01/18	18	9999	9999	9999	03/18	77	-16	-8	-12	05/18	138	-2	8	2
01/19	19	9999	9999	9999	03/19	78	-12	-5	-9	05/19	139	-1	3	1
01/20	20	9999	9999	9999	03/20	79	-9	-1	-6	05/20	140	-2	1	-1
01/21	21	9999	9999	9999	03/21	80	-6	-4	-4	05/21	141	-1	10	2
01/22	22	9999	9999	9999	03/22	81	-11	-5	-8	05/22	142	0	6	2
01/23	23	9999	9999	9999	03/23	82	-13	-9	-11	05/23	143	-1	1	-1
01/24	24	9999	9999	9999	03/24	83	-17	-8	-13	05/24	144	-1	3	1
01/25	25	9999	9999	9999	03/25	84	-12	-6	-10	05/25	145	1	9	4
01/26	26	9999	9999	9999	03/26	85	-11	-7	-10	05/26	146	2	13	9
01/27	27	9999	9999	9999	03/27	86	-11	-9	-10	05/27	147	9	14	11
01/28	28	9999	9999	9999	03/28	87	-9	-4	-7	05/28	148	6	13	8
01/29	29	9999	9999	9999	03/29	88	9999	9999	9999	05/29	149	-2	6	2
01/30	30	9999	9999	9999	03/30	89	9999	9999	9999	05/30	150	-3	0	-2
01/31	31	9999	9999	9999	03/31	90	9999	9999	9999	05/31	151	-2	3	0
02/01	32	-13	-8	-10	04/01	91	9999	9999	9999	06/01	152	1	12	7
02/02	33	-13	-5	-8	04/02	92	9999	9999	9999	06/02	153	4	9	7
02/03	34	-6	1	-3	04/03	93	9999	9999	9999	06/03	154	3	11	7
02/04	35	-2	-1	-1	04/04	94	9999	9999	9999	06/04	155	6	14	9
02/05	36	-9	0	-3	04/05	95	9999	9999	9999	06/05	156	6	12	9
02/06	37	-11	-8	-10	04/06	96	9999	9999	9999	06/06	157	5	11	8
02/07	38	-9	-2	-5	04/07	97	9999	9999	9999	06/07	158	5	14	9
02/08	39	-9	-4	-7	04/08	98	9999	9999	9999	06/08	159	9	15	12
02/09	40	-14	-9	-12	04/09	99	9999	9999	9999	06/09	160	3	16	10
02/10	41	-13	-6	-11	04/10	100	9999	9999	9999	06/10	161	7	14	12
02/11	42	-12	-5	-9	04/11	101	9999	9999	9999	06/11	162	-2	8	4
02/12	43	-8	-1	-3	04/12	102	9999	9999	9999	06/12	163	-2	1	-1
02/13	44	-10	-3	-6	04/13	103	9999	9999	9999	06/13	164	-2	6	1
02/14	45	-11	-4	-8	04/14	104	9999	9999	9999	06/14	165	1	8	3
02/15	46	-8	-6	-7	04/15	105	9999	9999	9999	06/15	166	1	4	2
02/16	47	-7	-1	-3	04/16	106	9999	9999	9999	06/16	167	1	12	7
02/17	48	-1	2	1	04/17	107	9999	9999	9999	06/17	168	8	11	10
02/18	49	1	9	5	04/18	108	9999	9999	9999	06/18	169	2	9	5
02/19	50	-5	2	-2	04/19	109	9999	9999	9999	06/19	170	1	10	4
02/20	51	-8	-1	-5	04/20	110	9999	9999	9999	06/20	171	4	8	5
02/21	52	-7	-1	-4	04/21	111	9999	9999	9999	06/21	172	2	7	3
02/22	53	-9	-7	-8	04/22	112	9999	9999	9999	06/22	173	2	8	5
02/23	54	-11	-4	-8	04/23	113	9999	9999	9999	06/23	174	7	12	9
02/24	55	-8	-1	-4	04/24	114	9999	9999	9999	06/24	175	3	12	7
02/25	56	-3	1	-1	04/25	115	9999	9999	9999	06/25	176	1	11	4
02/26	57	-4	-1	-3	04/26	116	9999	9999	9999	06/26	177	-3	4	0
02/27	58	-12	-1	-8	04/27	117	9999	9999	9999	06/27	178	-3	1	-2
02/28	59	-13	-9	-11	04/28	118	9999	9999	9999	06/28	179	0	7	2
					04/29	119	9999	9999	9999	06/29	180	4	11	6
					04/30	120	9999	9999	9999	06/30	181	8	16	11

TABLE 8.7b: 1965 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	12	17	14	09/01	244	7	11	9	11/01	305	1	8	5
07/02	183	11	17	13	09/02	245	2	6	3	11/02	306	-4	1	-1
07/03	184	12	17	14	09/03	246	1	7	3	11/03	307	-2	2	1
07/04	185	9	19	14	09/04	247	2	9	6	11/04	308	-3	-1	-2
07/05	186	3	10	7	09/05	248	4	10	6	11/05	309	2	0	-1
07/06	187	9	18	13	09/06	249	4	12	8	11/06	310	-6	-2	-4
07/07	188	11	21	16	09/07	250	8	14	11	11/07	311	-8	-4	-7
07/08	189	3	14	9	09/08	251	5	11	8	11/08	312	-6	-2	-4
07/09	190	1	6	3	09/09	252	3	9	8	11/09	313	-8	-3	-6
07/10	191	0	9	3	09/10	253	4	12	8	11/10	314	-6	-1	-3
07/11	192	2	4	2	09/11	254	3	5	4	11/11	315	-4	-1	-3
07/12	193	2	12	7	09/12	255	2	9	6	11/12	316	-6	-1	-4
07/13	194	10	17	13	09/13	256	-2	5	3	11/13	317	-4	2	-1
07/14	195	8	17	13	09/14	257	-7	-2	-5	11/14	318	-1	1	-1
07/15	196	8	15	10	09/15	258	-6	0	-3	11/15	319	-1	-1	-1
07/16	197	8	18	12	09/16	259	-3	0	-2	11/16	320	-1	1	-1
07/17	198	2	13	8	09/17	260	-3	-1	-2	11/17	321	9999	9999	9999
07/18	199	2	9	5	09/18	261	-3	3	-1	11/18	322	-2	1	-1
07/19	200	5	11	8	09/19	262	1	8	4	11/19	323	-4	0	-2
07/20	201	3	7	4	09/20	263	0	12	8	11/20	324	-3	-2	-3
07/21	202	2	4	3	09/21	264	4	10	7	11/21	325	-5	-3	-4
07/22	203	3	14	8	09/22	265	7	13	9	11/22	326	-10	-4	-8
07/23	204	8	19	12	09/23	266	7	16	10	11/23	327	-9	-7	-8
07/24	205	11	21	15	09/24	267	9	18	13	11/24	328	-8	-6	-7
07/25	206	14	23	17	09/25	268	3	12	7	11/25	329	-9	-7	-8
07/26	207	9	21	14	09/26	269	0	4	2	11/26	330	-8	-4	-6
07/27	208	8	18	12	09/27	270	-1	4	1	11/27	331	-7	-5	-7
07/28	209	10	22	16	09/28	271	-1	8	3	11/28	332	-5	3	-1
07/29	210	15	23	18	09/29	272	-1	8	3	11/29	333	-4	3	0
07/30	211	16	25	20	09/30	273	2	9	4	11/30	334	-4	0	-3
07/31	212	16	26	20	10/01	274	3	11	6	12/01	335	-4	-1	-3
08/01	213	17	26	21	10/02	275	9	15	12	12/02	336	-6	0	-4
08/02	214	10	17	14	10/03	276	7	13	9	12/03	337	-4	3	-1
08/03	215	6	10	8	10/04	277	0	11	7	12/04	338	-6	-4	-4
08/04	216	6	10	7	10/05	278	1	4	1	12/05	339	-4	-1	-3
08/05	217	6	13	9	10/06	279	1	5	3	12/06	340	-6	-1	-3
08/06	218	11	20	16	10/07	280	2	11	7	12/07	341	-2	1	-1
08/07	219	13	22	16	10/08	281	4	10	7	12/08	342	0	4	2
08/08	220	10	18	13	10/09	282	0	6	3	12/09	343	-2	5	1
08/09	221	9	18	13	10/10	283	4	12	6	12/10	344	-3	0	-2
08/10	222	7	17	12	10/11	284	5	12	8	12/11	345	-7	4	-4
08/11	223	10	19	14	10/12	285	3	9	3	12/12	346	-9	-6	-8
08/12	224	3	12	7	10/13	286	2	10	4	12/13	347	9999	9999	9999
08/13	225	3	9	6	10/14	287	-1	4	1	12/14	348	9999	9999	9999
08/14	226	6	17	11	10/15	288	-7	-2	-4	12/15	349	9999	9999	9999
08/15	227	11	17	13	10/16	289	-6	-2	-4	12/16	350	9999	9999	9999
08/16	228	9	18	13	10/17	290	-4	-1	-3	12/17	351	9999	9999	9999
08/17	229	14	22	17	10/18	291	-3	-1	-2	12/18	352	9999	9999	9999
08/18	230	14	23	18	10/19	292	-3	3	-1	12/19	353	9999	9999	9999
08/19	231	7	16	12	10/20	293	1	8	4	12/20	354	9999	9999	9999
08/20	232	6	10	8	10/21	294	8	14	11	12/21	355	9999	9999	9999
08/21	233	7	14	11	10/22	295	12	16	14	12/22	356	9999	9999	9999
08/22	234	9	14	11	10/23	296	10	16	13	12/23	357	9999	9999	9999
08/23	235	6	10	8	10/24	297	9	13	11	12/24	358	9999	9999	9999
08/24	236	6	8	7	10/25	298	12	14	12	12/25	359	9999	9999	9999
08/25	237	4	6	6	10/26	299	9	13	11	12/26	360	9999	9999	9999
08/26	238	4	7	6	10/27	300	0	11	6	12/27	361	9999	9999	9999
08/27	239	-1	5	2	10/28	301	-1	3	0	12/28	362	9999	9999	9999
08/28	240	-2	1	-1	10/29	302	-1	5	2	12/29	363	9999	9999	9999
08/29	241	-1	5	1	10/30	303	-2	6	2	12/30	364	9999	9999	9999
08/30	242	3	13	8	10/31	304	3	7	5	12/31	365	9999	9999	9999
08/31	243	8	18	12										

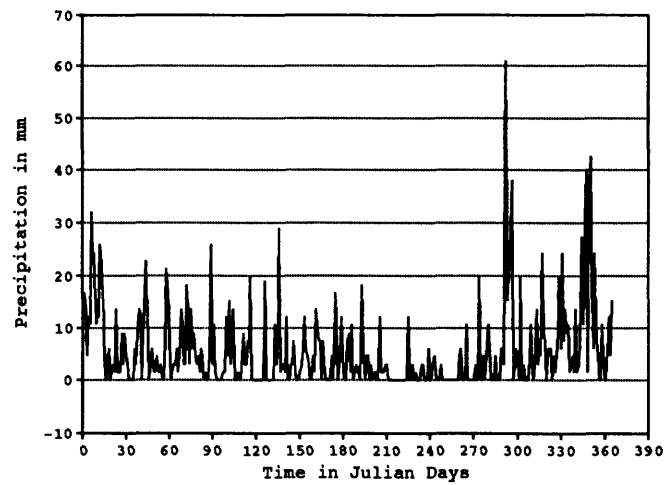
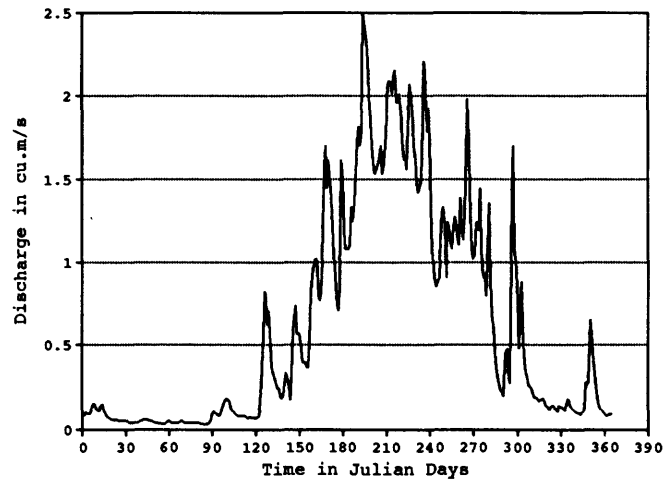
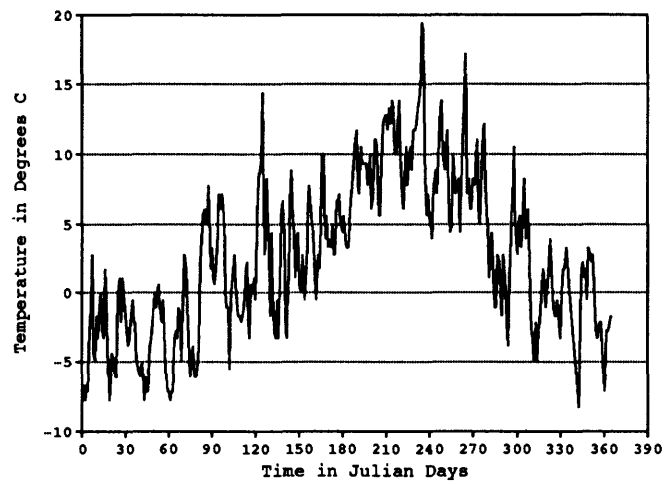


FIGURE 10: 1966 daily mean air temperature, daily mean discharge, and daily precipitation at the Gaging Station on South Fork Cascade River.

TABLE 9.1: 1966 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.085	0.045	0.048	0.11	0.071	0.40	1.1	2.1	0.85	1.2	0.40	0.18
2	0.10	0.042	0.045	0.099	0.082	0.40	1.1	2.0	0.88	1.4	0.34	0.17
3	0.099	0.040	0.042	0.091	0.16	0.40	1.1	2.1	0.91	0.96	0.31	0.14
4	0.093	0.040	0.042	0.082	0.27	0.37	1.1	2.2	1.1	0.91	0.26	0.12
5	0.093	0.040	0.042	0.085	0.45	0.37	1.3	2.0	1.3	0.91	0.26	0.12
6	0.12	0.040	0.040	0.099	0.82	0.51	1.2	2.0	1.3	0.79	0.24	0.11
7	0.14	0.042	0.040	0.13	0.76	0.82	1.4	2.0	1.2	1.1	0.21	0.099
8	0.16	0.045	0.042	0.16	0.62	0.96	1.5	1.9	0.91	1.4	0.19	0.096
9	0.14	0.051	0.048	0.18	0.71	0.99	1.7	1.7	1.2	0.88	0.19	0.088
10	0.12	0.048	0.048	0.18	0.51	1.0	1.8	1.6	1.2	0.68	0.18	0.10
11	0.11	0.054	0.045	0.17	0.37	1.0	1.7	1.6	1.1	0.59	0.17	0.11
12	0.11	0.062	0.042	0.16	0.34	0.79	1.8	1.6	1.1	0.45	0.17	0.12
13	0.14	0.059	0.040	0.12	0.31	0.76	2.5	1.8	1.2	0.37	0.18	0.28
14	0.15	0.059	0.040	0.11	0.27	0.82	2.4	2.1	1.3	0.31	0.18	0.26
15	0.12	0.054	0.042	0.096	0.24	1.0	2.3	2.0	1.2	0.26	0.16	0.28
16	0.091	0.051	0.042	0.088	0.25	1.6	2.2	1.9	1.1	0.23	0.14	0.65
17	0.079	0.048	0.042	0.082	0.20	1.7	2.0	1.7	1.1	0.23	0.13	0.57
18	0.071	0.045	0.042	0.082	0.18	1.4	1.8	1.6	1.4	0.20	0.12	0.45
19	0.065	0.042	0.042	0.082	0.20	1.6	1.7	1.5	1.2	0.45	0.13	0.37
20	0.059	0.042	0.042	0.082	0.27	1.5	1.6	1.4	1.1	0.48	0.14	0.26
21	0.057	0.040	0.042	0.082	0.34	1.4	1.5	1.4	1.3	0.34	0.14	0.19
22	0.054	0.037	0.040	0.082	0.31	1.2	1.6	1.5	1.7	0.27	0.12	0.14
23	0.059	0.037	0.034	0.074	0.26	1.0	1.6	1.8	2.0	1.4	0.12	0.12
24	0.057	0.034	0.034	0.068	0.17	0.91	1.6	2.2	1.6	1.7	0.11	0.12
25	0.051	0.034	0.031	0.071	0.31	0.74	1.7	2.2	1.3	1.1	0.14	0.10
26	0.048	0.034	0.028	0.074	0.59	0.71	1.5	1.8	1.1	1.0	0.13	0.091
27	0.048	0.042	0.031	0.071	0.74	0.85	1.6	1.9	1.0	0.76	0.13	0.085
28	0.048	0.048	0.031	0.071	0.57	1.6	1.7	1.7	1.0	0.48	0.12	0.082
29	0.048		0.037	0.071	0.57	1.5	1.9	1.3	1.2	0.76	0.12	0.093
30	0.048		0.062	0.068	0.57	1.2	2.1	1.1	1.2	0.88	0.15	0.088
31	0.048		0.10		0.48		2.1	0.91		0.51		0.093
TOTAL	2.7	1.3	1.3	3.0	12	30	52	55	36	23	5.4	5.8
MEAN	0.087	0.045	0.043	0.10	0.39	0.99	1.7	1.8	1.2	0.74	0.18	0.19
MAX	0.16	0.062	0.10	0.18	0.82	1.7	2.5	2.2	2.0	1.7	0.40	0.65
MIN	0.048	0.034	0.028	0.068	0.071	0.37	1.1	0.91	0.85	0.20	0.11	0.082

TABLE 9.2: 1966 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	0.015	0.0054	0.027	0.042	0.0062	0.0017	0.014	0.011	0.021
2	9999	9999	9999	0.0082	0.018	0.028	0.045	0.0057	0.0017	0.0088	0.0093	0.010
3	9999	9999	9999	0.0074	0.045	0.022	0.045	0.0051	0.0014	0.0028	0.0079	0.0068
4	9999	9999	9999	0.0068	0.057	0.018	0.051	0.0045	0.0011	0.0020	0.0068	0.0057
5	9999	9999	9999	0.0054	0.096	0.037	0.042	0.0042	0.0011	0.0017	0.0074	0.0054
6	9999	9999	9999	0.0051	0.11	0.074	0.045	0.0040	0.0011	0.0017	0.0068	0.0045
7	9999	9999	9999	0.0057	0.065	0.079	0.051	0.0034	0.0011	0.0076	0.0065	0.0042
8	9999	9999	9999	0.0082	0.079	0.085	0.048	0.0034	0.0011	0.018	0.0057	0.0037
9	9999	9999	9999	0.011	0.065	0.074	0.045	0.0031	0.00085	0.0040	0.0054	0.0034
10	9999	9999	9999	0.012	0.045	0.091	0.037	0.0034	0.00085	0.0028	0.0054	0.0034
11	9999	9999	9999	0.0088	0.031	0.045	0.034	0.0028	0.0017	0.0034	0.0051	0.0042
12	9999	9999	9999	0.0065	0.034	0.037	0.040	0.0025	0.0020	0.0031	0.0045	0.0065
13	9999	9999	9999	0.0054	0.028	0.051	0.045	0.0057	0.0017	0.0023	0.0054	0.059
14	9999	9999	9999	0.0040	0.020	0.074	0.031	0.0034	0.0011	0.0020	0.0079	0.015
15	9999	9999	9999	0.0040	0.015	0.11	0.027	0.0025	0.0011	0.0017	0.0062	0.045
16	9999	9999	9999	0.0042	0.013	0.13	0.024	0.0023	0.0011	0.0017	0.0054	0.099
17	9999	9999	9999	0.0051	0.011	0.085	0.018	0.0023	0.0011	0.0023	0.0045	0.051
18	9999	9999	9999	0.0051	0.013	0.079	0.017	0.0020	0.0037	0.0028	0.0051	0.040
19	9999	9999	9999	0.0051	0.024	0.079	0.014	0.0017	0.0020	0.088	0.011	0.024
20	9999	9999	9999	0.0051	0.045	0.051	0.012	0.0017	0.0011	0.013	0.012	0.013
21	9999	9999	9999	0.0051	0.040	0.045	0.010	0.0017	0.0011	0.0079	0.0074	0.0093
22	9999	9999	9999	0.0051	0.024	0.054	0.010	0.0014	0.0011	0.023	0.0062	0.0065
23	9999	9999	9999	0.0034	0.017	0.040	0.0088	0.0011	0.0020	0.16	0.0051	0.0051
24	9999	9999	9999	0.0034	0.020	0.031	0.014	0.0011	0.0014	0.028	0.0045	0.0045
25	9999	9999	9999	0.0040	0.062	0.031	0.013	0.0014	0.0011	0.023	0.0054	0.0040
26	9999	9999	9999	0.0042	0.082	0.042	0.010	0.0017	0.0017	0.031	0.0051	0.0037
27	9999	9999	9999	0.0040	0.057	0.062	0.0088	0.0037	0.0020	0.018	0.0042	0.0034
28	9999	9999	0.0017	0.0040	0.054	0.10	0.0079	0.0023	0.0014	0.011	0.0065	0.0031
29	9999		0.0040	0.0037	0.062	0.045	0.0074	0.0017	0.0011	0.037	0.0068	0.0028
30	9999		0.015	0.0040	0.045	0.045	0.0068	0.0040	0.00085	0.018	0.024	0.0028
31	9999		0.024		0.031		0.0065	0.0023		0.013		0.0025
TOTAL				0.18	1.3	1.8	0.82	0.092	0.043	0.55	0.22	0.47
MEAN				0.0059	0.042	0.059	0.027	0.0031	0.0014	0.018	0.0071	0.015
MAX				0.015	0.11	0.13	0.051	0.0062	0.0037	0.16	0.024	0.099
MIN				0.0034	0.0054	0.018	0.0065	0.0011	0.00085	0.0017	0.0042	0.0025

TABLE 9.3: 1966 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and **'s indicate missing data.

		TEMPERATURE C						WIND				
		MAX	MIN		PSYCHROMETER C				RUN	SPEED	CLOUD	
DATE	TIME	SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER	
JUN	16	1815	9999	9999	9	7.5	8.9	83	W	9999	9999	6
	17	1800	9999	9999	9999	5.6	7.2	78	S	9999	9999	10
	18	1800	9999	9999	9999	5.6	8.3	66	W	9999	9999	8
	19	1800	9999	9999	9999	2.2	3.9	74	W	9999	9999	6
	20	1800	9999	9999	9999	-1.1	1.1	60	W	9999	9999	7
	21	1800	9999	9999	9999	2.2	2.2	100	C	9999	9999	10
	22	1830	9999	9999	9999	3.3	7.2	52	W	9999	9999	2
	23	1900	9999	9999	0	9999	9999	9999	W	9999	9999	10
	24	1900	9999	9999	9999	1.4	1.9	90	W	9999	9999	10
	25	1900	9999	9999	9	3.3	9.4	32	W	9999	9999	10
	26	1800	9999	9999	4	3.9	6.1	69	W	9999	9999	10
	27	1900	9999	9999	9999	5.6	7.2	84	W	9999	9999	10
	28	2100	9999	9999	1	1.1	2.2	80	NW	9999	9999	10
	29	1900	9999	9999	9999	1.1	2.8	72	W	9999	9999	7
	30	2000	9999	9999	9999	2.8	4.4	75	NW	9999	9999	10
JUL	1	1800	9999	9999	9999	3.3	3.3	100	NW	9999	9999	10
	2	1900	9999	9999	9999	2.8	2.8	100	***	9999	9999	10
	3	1800	9999	9999	2	2.2	2.2	100	NW	9999	9999	10
	4	1800	9999	9999	10	8.9	10.0	87	NW	9999	9999	5
	5	1900	9999	9999	3	2.5	2.8	96	NW	9999	9999	10
	6	2000	9999	9999	6	5.3	6.4	86	SE	9999	9999	8
	14	1800	9999	9999	10	8.9	10.0	9999	W	9999	9999	10
	15	1830	9999	9999	13	9.4	15.0	48	W	9999	9999	3
	17	2000	9999	9999	9	6.7	8.9	72	E	9999	9999	1
	19	1930	9999	9999	4	3.3	4.4	89	W	9999	9999	9
	20	1930	9999	9999	9	5.6	8.9	60	SW	9999	9999	0
	21	1800	9999	9999	16	8.9	15.6	39	W	9999	9999	0
	22	2045	9999	9999	10	7.8	10.0	73	W	9999	9999	1
	23	1900	9999	9999	9	8.3	9.4	93	W	9999	9999	7
	24	1800	9999	9999	3	9999	9999	9999	W	9999	9999	10
	25	1800	9999	9999	6	9999	9999	9999	W	9999	9999	10
	26	1900	9999	9999	9999	7.8	10.6	72	NW	9999	9999	0
	27	1800	9999	9999	16	10.6	16.1	50	NW	9999	9999	0
	28	1800	9999	9999	11	11.4	17.2	48	NW	9999	9999	1
	29	1800	9999	9999	17	10.3	16.7	43	W	9999	9999	0
	30	1845	9999	9999	13	9.7	13.3	63	W	9999	9999	5
	31	1800	9999	9999	15	10.6	15.0	58	W	9999	9999	0
AUG	1	1800	9999	9999	17	11.7	17.2	51	NW	9999	9999	0
	2	1800	9999	9999	18	11.9	18.3	46	WNW	9999	9999	0
	3	1800	9999	9999	16	11.7	15.6	64	W	9999	9999	4
	4	1800	9999	9999	11	7.2	10.6	62	W	9999	9999	8
	5	1800	9999	9999	15	8.3	15.0	38	W	9999	9999	1
	6	1830	9999	9999	15	10.6	14.7	60	SW	9999	9999	0
	7	1800	9999	9999	15	10.0	15.0	54	WNW	9999	9999	10
	8	1800	9999	9999	9	8.3	9.2	90	W	9999	9999	10
	9	1830	9999	9999	8	7.2	8.3	86	WNW	9999	9999	10
	10	1930	9999	9999	4	3.9	4.4	92	WSW	9999	9999	10
	11	1845	9999	9999	9999	7.8	13.3	44	W	9999	9999	0
	12	1800	9999	9999	11	7.8	11.1	63	NW	9999	9999	10
	13	1830	9999	9999	7	6.1	6.9	89	W	9999	9999	10
	15	700	9999	9999	12	9.4	12.2	70	W	9999	9999	8

TABLE 9.3: 1966 Instantaneous Meteorological Observations (continued)

DATE		TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER	
			MAX	MIN	CURR				RUN	SPEED		
			SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)		(KM/HR)
AUG	17	1800	9999	9999	15	8.9	15.0	47	W	9999	9999	0
	18	1815	9999	9999	14	9.7	14.2	9999	W	9999	9999	1
	19	1850	9999	9999	14	6.7	14.4	28	W	9999	9999	0
	20	1800	9999	9999	16	8.3	16.1	31	W	9999	9999	0
	21	1800	9999	9999	17	10.0	16.7	32	W	9999	9999	0
	23	1845	9999	9999	19	7.8	19.4	10	E	9999	9999	1
	25	1800	9999	9999	5	5.0	5.3	96	WNW	9999	9999	10
	26	1800	9999	9999	6	5.3	6.1	89	W	9999	9999	10
	27	1800	9999	9999	4	2.8	3.9	92	WNW	9999	9999	10
SEPT	1	2000	9999	9999	9999	5.6	8.9	66	WNW	9999	9999	9
	2	2000	9999	9999	9999	7.5	8.2	91	SW	9999	9999	10
	3	1800	9999	9999	9999	8.3	13.9	46	WSW	9999	9999	0
	5	1930	9999	9999	9999	9.3	14.7	46	NE	9999	9999	0
	7	2000	9999	9999	9999	8.0	10.6	70	WNW	9999	9999	7
	8	1615	9999	9999	13	8.3	13.3	50	E	9999	9999	4
	9	1600	9999	9999	13	7.8	12.8	48	NW	9999	9999	1
	11	1800	9999	9999	2	2.2	2.2	100	WNW	9999	9999	9.5
	12	1800	9999	9999	6	5.0	6.1	85	W	9999	9999	10
	13	1830	9999	9999	9999	10.0	12.2	76	SW	9999	9999	8
	21	1900	9999	9999	9999	5.6	17.8	9999	SE	9999	9999	3
	22	1900	9999	9999	9999	4.4	18.3	9999	SE	9999	9999	4
	23	1910	9999	9999	9999	5.6	5.6	100	S	9999	9999	10
24	1910	9999	9999	9999	6.1	6.1	100	S	9999	9999	10	
25	1900	9999	9999	9999	5.6	5.6	100	S	9999	9999	10	
26	1900	9999	9999	9999	5.0	5.0	100	SE	9999	9999	10	

TABLE 9.4: 1966 Precipitation at the GAGING STATION in mm.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17	0	8	11	0	6	0	0	0	20	0	11
2	14	0	0	2	0	12	8	0	0	0	0	2
3	5	0	2	0	0	6	9	0	0	0	0	3
4	12	0	3	0	0	5	2	0	0	5	2	5
5	11	6	3	0	0	3	11	0	0	0	11	2
6	32	3	6	0	19	0	0	0	0	5	3	14
7	24	9	2	2	0	0	2	0	0	11	0	2
8	24	14	5	2	0	5	3	0	0	6	3	3
9	11	12	14	12	0	2	2	0	0	0	14	14
10	12	0	11	5	0	14	2	0	0	0	3	27
11	12	9	3	15	0	11	0	0	11	0	6	11
12	26	17	3	3	0	8	18	0	4	5	5	31
13	24	23	18	8	11	8	6	12	0	0	24	40
14	17	14	14	14	3	0	0	0	0	0	9	2
15	3	0	3	0	8	8	5	0	0	0	8	35
16	0	3	14	2	29	2	5	3	0	6	0	43
17	2	6	6	0	2	0	0	0	6	6	6	15
18	6	2	9	2	3	0	3	2	11	3	6	6
19	0	2	5	0	3	0	0	0	0	61	6	24
20	2	5	3	5	2	0	2	0	14	15	0	8
21	3	2	5	9	12	5	2	0	0	20	5	5
22	2	2	2	3	0	0	0	3	2	24	2	9999
23	14	3	6	3	0	9	0	3	0	38	5	9999
24	2	0	5	8	3	17	12	0	0	0	9	11
25	2	0	0	8	3	0	2	0	0	3	20	3
26	2	8	2	20	8	2	2	0	0	6	6	0
27	9	21	0	0	0	5	2	6	3	3	24	0
28	3	17	0	0	0	12	3	0	0	0	8	6
29	9		5	0	0	2	3	0	0	20	14	12
30	5		26	0	2	0	0	3	0	0	9	5
31	3		3		3		0	5		3		15

TABLE 9.5: 1966 Precipitation at the HUT in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	6	3	0	0	9999	9999	9999
2	9999	9999	9999	9999	9999	13	14	0	0	9999	9999	9999
3	9999	9999	9999	9999	9999	6	9	0	0	9999	9999	9999
4	9999	9999	9999	9999	9999	5	0	0	0	9999	9999	9999
5	9999	9999	9999	9999	9999	3	10	0	0	9999	9999	9999
6	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
7	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
8	9999	9999	9999	9999	9999	5	0	0	0	9999	9999	9999
9	9999	9999	9999	9999	9999	2	0	0	0	9999	9999	9999
10	9999	9999	9999	9999	9999	14	5	5	0	9999	9999	9999
11	9999	9999	9999	9999	9999	11	9999	0	11	9999	9999	9999
12	9999	9999	9999	9999	9999	3	9999	0	4	9999	9999	9999
13	9999	9999	9999	9999	13	16	9999	18	0	9999	9999	9999
14	9999	9999	9999	9999	7	0	3	0	0	9999	9999	9999
15	9999	9999	9999	9999	16	0	2	0	0	9999	9999	9999
16	9999	9999	9999	9999	17	0	5	0	0	9999	9999	9999
17	9999	9999	9999	9999	9999	1	0	0	9	9999	9999	9999
18	9999	9999	9999	9999	0	1	0	0	11	9999	9999	9999
19	9999	9999	9999	9999	0	2	1	0	9999	9999	9999	9999
20	9999	9999	9999	9999	0	0	0	0	13	9999	9999	9999
21	9999	9999	9999	9999	36	7	0	0	9999	9999	9999	9999
22	9999	9999	9999	9999	4	2	0	0	2	9999	9999	9999
23	9999	9999	9999	9999	0	13	0	0	9999	9999	9999	9999
24	9999	9999	9999	9999	3	11	18	0	9999	9999	9999	9999
25	9999	9999	9999	9999	3	0	4	0	9999	9999	9999	9999
26	9999	9999	9999	9999	8	1	0	0	9999	9999	9999	9999
27	9999	9999	9999	9999	0	12	0	23	3	9999	9999	9999
28	9999	9999	9999	9999	0	12	0	0	9999	9999	9999	9999
29	9999		9999	9999	0	0	0	4	0	9999	9999	9999
30	9999		9999	9999	2	0	0	4	9999	9999	9999	9999
31	9999		9999		3		0	0		9999		9999

TABLE 9.6a: 1966 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-9	-5	-7	03/01	60	-11	-2	-7	05/01	121	-2	9	4
01/02	2	-9	-5	-8	03/02	61	-9	-4	-8	05/02	122	6	12	8
01/03	3	-8	-4	-7	03/03	62	-10	-1	-7	05/03	123	4	14	9
01/04	4	-8	-4	-7	03/04	63	-8	-5	-7	05/04	124	6	12	9
01/05	5	-7	0	-3	03/05	64	-6	-1	-3	05/05	125	8	19	14
01/06	6	-2	-1	-1	03/06	65	-7	0	-3	05/06	126	1	17	3
01/07	7	-1	4	3	03/07	66	-6	-1	-3	05/07	127	0	10	4
01/08	8	-6	1	-4	03/08	67	-3	1	-1	05/08	128	6	12	8
01/09	9	-8	-2	-5	03/09	68	-4	1	-2	05/09	129	-1	9	5
01/10	10	-2	-1	-2	03/10	69	-6	-4	-5	05/10	130	-2	-1	-2
01/11	11	-4	-2	-3	03/11	70	-7	3	-1	05/11	131	-1	12	4
01/12	12	-2	0	-1	03/12	71	0	7	3	05/12	132	-3	2	0
01/13	13	-2	1	0	03/13	72	0	2	2	05/13	133	-4	1	-3
01/14	14	-7	-2	-3	03/14	73	-3	2	-1	05/14	134	-5	-1	-3
01/15	15	-7	-1	-3	03/15	74	-6	-1	-3	05/15	135	-3	4	-1
01/16	16	-1	4	2	03/16	75	-8	-5	-6	05/16	136	-4	-1	-3
01/17	17	-4	3	-1	03/17	76	-8	2	-5	05/17	137	-5	9	1
01/18	18	-7	-2	-6	03/18	77	-6	-2	-4	05/18	138	-2	11	6
01/19	19	-11	-5	-8	03/19	78	-7	-4	-6	05/19	139	2	12	7
01/20	20	-11	-2	-6	03/20	79	-8	-2	-6	05/20	140	2	9	4
01/21	21	-6	-2	-4	03/21	80	-9	-1	-6	05/21	141	-5	2	-2
01/22	22	-7	-1	-5	03/22	81	-10	-1	-4	05/22	142	-5	-1	-3
01/23	23	-12	-3	-6	03/23	82	-4	11	2	05/23	143	-2	6	2
01/24	24	-12	-1	-6	03/24	83	-2	12	4	05/24	144	1	13	7
01/25	25	9999	9999	9999	03/25	84	2	10	6	05/25	145	5	13	9
01/26	26	-1	4	1	03/26	85	2	13	6	05/26	146	-3	12	7
01/27	27	-4	-1	-2	03/27	86	-1	12	5	05/27	147	-7	8	1
01/28	28	-1	3	1	03/28	87	3	12	6	05/28	148	-3	11	4
01/29	29	-1	3	0	03/29	88	3	14	8	05/29	149	-1	11	4
01/30	30	-2	-1	-2	03/30	89	-2	5	2	05/30	150	-2	5	1
01/31	31	-6	2	-3	03/31	90	-4	12	3	05/31	151	-2	4	0
02/01	32	-7	-2	-4	04/01	91	-4	8	1	06/01	152	-4	13	3
02/02	33	-7	2	-3	04/02	92	-4	8	1	06/02	153	-1	8	2
02/03	34	-4	-1	-2	04/03	93	-1	6	2	06/03	154	-1	0	-1
02/04	35	-2	1	-1	04/04	94	2	7	4	06/04	155	-1	6	2
02/05	36	-4	1	-2	04/05	95	3	11	7	06/05	156	-2	12	6
02/06	37	-3	1	-2	04/06	96	3	12	6	06/06	157	5	11	8
02/07	38	-6	-3	-5	04/07	97	3	12	7	06/07	158	3	11	7
02/08	39	-6	-4	-6	04/08	98	1	15	6	06/08	159	2	9	5
02/09	40	-8	-3	-6	04/09	99	-1	3	0	06/09	160	2	6	3
02/10	41	-10	2	-6	04/10	100	-2	-1	-1	06/10	161	-2	3	1
02/11	42	-8	-3	-5	04/11	101	-3	0	-1	06/11	162	-2	2	-1
02/12	43	-11	-2	-8	04/12	102	-7	-3	-6	06/12	163	-2	8	3
02/13	44	-7	-5	-6	04/13	103	-7	5	0	06/13	164	-1	4	2
02/14	45	-11	-4	-7	04/14	104	-1	4	1	06/14	165	1	10	5
02/15	46	-11	-3	-7	04/15	105	-1	11	3	06/15	166	4	14	10
02/16	47	-6	-1	-4	04/16	106	-4	8	1	06/16	167	4	14	10
02/17	48	-4	-2	-3	04/17	107	-3	6	-1	06/17	168	2	6	4
02/18	49	-3	4	-2	04/18	108	-6	4	-2	06/18	169	1	8	6
02/19	50	-2	5	0	04/19	109	-6	4	-2	06/19	170	1	6	3
02/20	51	-3	1	-1	04/20	110	-3	1	-2	06/20	171	1	9	4
02/21	52	-1	2	0	04/21	111	-3	1	-2	06/21	172	1	8	3
02/22	53	-1	3	1	04/22	112	-2	1	-1	06/22	173	1	11	5
02/23	54	-5	4	-1	04/23	113	-1	11	2	06/23	174	0	8	3
02/24	55	-4	0	-2	04/24	114	-2	13	2	06/24	175	0	7	3
02/25	56	-2	3	-1	04/25	115	-5	0	-2	06/25	176	1	12	7
02/26	57	-4	-2	-3	04/26	116	-6	-2	-3	06/26	177	5	11	7
02/27	58	-8	-4	-6	04/27	117	-3	7	1	06/27	178	5	9	7
02/28	59	-8	-5	-7	04/28	118	-6	14	0	06/28	179	3	9	5
					04/29	119	-6	11	1	06/29	180	2	8	4
					04/30	120	-2	2	-1	06/30	181	1	10	6

TABLE 9.6b: 1966 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	3	7	4	09/01	244	5	13	9	11/01	305	3	14	8
07/02	183	3	6	3	09/02	245	6	11	7	11/02	306	1	9	4
07/03	184	3	4	3	09/03	246	6	15	11	11/03	307	2	10	6
07/04	185	3	12	5	09/04	247	9	17	13	11/04	308	3	9	6
07/05	186	3	11	7	09/05	248	9	18	14	11/05	309	-4	3	0
07/06	187	3	12	8	09/06	249	7	12	10	11/06	310	-4	1	-3
07/07	188	4	16	10	09/07	250	6	13	9	11/07	311	-5	-2	-3
07/08	189	4	16	11	09/08	251	9	14	11	11/08	312	-8	-1	-5
07/09	190	7	17	12	09/09	252	7	17	12	11/09	313	-4	0	-2
07/10	191	4	12	8	09/10	253	6	9	7	11/10	314	-7	-4	-5
07/11	192	4	13	7	09/11	254	3	6	4	11/11	315	-6	1	-3
07/12	193	6	13	11	09/12	255	2	8	5	11/12	316	-4	0	-2
07/13	194	6	13	9	09/13	256	8	15	10	11/13	317	-2	3	1
07/14	195	7	14	9	09/14	257	6	12	9	11/14	318	1	2	2
07/15	196	7	14	9	09/15	258	4	14	7	11/15	319	-1	2	1
07/16	197	6	11	8	09/16	259	6	11	8	11/16	320	-3	0	-1
07/17	198	6	12	8	09/17	260	7	11	8	11/17	321	-1	3	1
07/18	199	7	14	10	09/18	261	2	7	4	11/18	322	1	6	2
07/19	200	3	8	6	09/19	262	2	13	8	11/19	323	2	6	4
07/20	201	3	13	7	09/20	263	7	18	12	11/20	324	0	3	2
07/21	202	5	18	11	09/21	264	12	19	15	11/21	325	-3	1	-1
07/22	203	8	17	11	09/22	265	9	22	17	11/22	326	-3	-1	-2
07/23	204	7	15	10	09/23	266	6	9	7	11/23	327	-2	-1	-2
07/24	205	3	7	6	09/24	267	6	11	8	11/24	328	-2	1	-1
07/25	206	3	7	6	09/25	268	6	7	6	11/25	329	-4	1	-2
07/26	207	4	14	9	09/26	269	5	8	6	11/26	330	-4	-3	-3
07/27	208	8	17	12	09/27	270	4	13	8	11/27	331	-3	3	0
07/28	209	8	19	13	09/28	271	7	11	8	11/28	332	1	3	2
07/29	210	9	18	13	09/29	272	6	14	10	11/29	333	1	3	2
07/30	211	8	16	12	09/30	273	8	14	11	11/30	334	2	4	3
07/31	212	6	17	13	10/01	274	2	11	6	12/01	335	0	4	2
08/01	213	7	19	12	10/02	275	2	11	5	12/02	336	-1	2	1
08/02	214	9	20	14	10/03	276	4	14	9	12/03	337	-1	1	-1
08/03	215	9	18	13	10/04	277	8	14	12	12/04	338	-5	0	-2
08/04	216	8	13	10	10/05	278	9	17	12	12/05	339	-3	-3	-3
08/05	217	7	16	10	10/06	279	5	11	8	12/06	340	-7	-2	-4
08/06	218	7	18	12	10/07	280	3	6	5	12/07	341	-7	-4	-6
08/07	219	9	18	14	10/08	281	-1	4	1	12/08	342	-10	-6	-8
08/08	220	7	13	10	10/09	282	-1	8	3	12/09	343	-7	-2	-5
08/09	221	7	9	8	10/10	283	3	7	4	12/10	344	-2	3	1
08/10	222	4	7	6	10/11	284	-1	3	1	12/11	345	-1	6	2
08/11	223	3	13	8	10/12	285	-2	1	-1	12/12	346	-1	4	1
08/12	224	6	15	11	10/13	286	-3	2	-1	12/13	347	-2	4	2
08/13	225	7	9	8	10/14	287	-1	8	3	12/14	348	-2	1	-1
08/14	226	6	14	10	10/15	288	-1	7	2	12/15	349	2	5	3
08/15	227	7	15	11	10/16	289	-2	1	0	12/16	350	1	3	3
08/16	228	7	12	9	10/17	290	-2	-2	-2	12/17	351	1	4	2
08/17	229	6	17	12	10/18	291	-2	7	3	12/18	352	2	4	3
08/18	230	7	16	12	10/19	292	1	2	1	12/19	353	-1	2	1
08/19	231	8	17	12	10/20	293	-4	1	-2	12/20	354	-4	-1	-3
08/20	232	9	17	13	10/21	294	-5	-2	-4	12/21	355	-7	0	-3
08/21	233	12	18	14	10/22	295	-2	3	1	12/22	356	-4	-2	-3
08/22	234	13	18	16	10/23	296	3	7	6	12/23	357	-3	-1	-2
08/23	235	17	23	19	10/24	297	5	11	7	12/24	358	-3	-1	-2
08/24	236	11	26	19	10/25	298	7	13	11	12/25	359	-8	-3	-5
08/25	237	6	14	10	10/26	299	1	7	4	12/26	360	-9	-5	-7
08/26	238	5	7	6	10/27	300	-2	8	3	12/27	361	-9	-3	-6
08/27	239	4	8	7	10/28	301	2	8	5	12/28	362	-4	-1	-3
08/28	240	3	9	6	10/29	302	3	8	6	12/29	363	-3	-1	-3
08/29	241	3	7	5	10/30	303	2	6	3	12/30	364	-3	-2	-2
08/30	242	2	6	4	10/31	304	3	8	6	12/31	365	-4	-1	-2
08/31	243	4	12	8										

TABLE 9.7a: 1966 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	9999	9999	9999	03/01	60	-13	-8	-11	05/01	121	-3	6	3
01/02	2	9999	9999	9999	03/02	61	-13	-9	-12	05/02	122	5	10	8
01/03	3	9999	9999	9999	03/03	62	-12	-8	-11	05/03	123	9999	9999	9999
01/04	4	9999	9999	9999	03/04	63	-13	-8	-11	05/04	124	9999	9999	9999
01/05	5	9999	9999	9999	03/05	64	-8	-1	-6	05/05	125	9999	9999	9999
01/06	6	9999	9999	9999	03/06	65	-8	-4	-6	05/06	126	9999	9999	9999
01/07	7	9999	9999	9999	03/07	66	-9	-6	-7	05/07	127	9999	9999	9999
01/08	8	9999	9999	9999	03/08	67	-6	-3	-5	05/08	128	9999	9999	9999
01/09	9	9999	9999	9999	03/09	68	-6	-3	-5	05/09	129	9999	9999	9999
01/10	10	9999	9999	9999	03/10	69	-9	-6	-7	05/10	130	9999	9999	9999
01/11	11	9999	9999	9999	03/11	70	-9	4	-2	05/11	131	9999	9999	9999
01/12	12	9999	9999	9999	03/12	71	-4	3	0	05/12	132	-6	2	-2
01/13	13	9999	9999	9999	03/13	72	-3	0	-2	05/13	133	-7	-2	-5
01/14	14	9999	9999	9999	03/14	73	-6	1	-3	05/14	134	-8	-3	-6
01/15	15	9999	9999	9999	03/15	74	-8	-4	-6	05/15	135	-6	1	-3
01/16	16	9999	9999	9999	03/16	75	-11	-7	-9	05/16	136	-7	-1	-4
01/17	17	9999	9999	9999	03/17	76	-11	-5	-8	05/17	137	-7	4	-1
01/18	18	9999	9999	9999	03/18	77	-9	-3	-6	05/18	138	1	11	6
01/19	19	9999	9999	9999	03/19	78	-11	-7	-9	05/19	139	2	10	6
01/20	20	9999	9999	9999	03/20	79	-12	-8	-10	05/20	140	1	6	3
01/21	21	9999	9999	9999	03/21	80	-11	-6	-9	05/21	141	-7	1	-4
01/22	22	9999	9999	9999	03/22	81	-10	-4	-7	05/22	142	-7	0	-3
01/23	23	9999	9999	9999	03/23	82	-7	4	-2	05/23	143	-4	4	1
01/24	24	9999	9999	9999	03/24	83	-2	9	3	05/24	144	4	12	8
01/25	25	9999	9999	9999	03/25	84	2	10	5	05/25	145	7	16	11
01/26	26	9999	9999	9999	03/26	85	3	11	6	05/26	146	-6	12	1
01/27	27	9999	9999	9999	03/27	86	2	10	5	05/27	147	-9	6	-2
01/28	28	9999	9999	9999	03/28	87	4	10	6	05/28	148	-3	11	4
01/29	29	9999	9999	9999	03/29	88	3	11	7	05/29	149	0	12	4
01/30	30	9999	9999	9999	03/30	89	9999	9999	9999	05/30	150	-3	3	-1
01/31	31	9999	9999	9999	03/31	90	-4	9	2	05/31	151	-3	1	-2
02/01	32	9999	9999	9999	04/01	91	-6	9	1	06/01	152	-4	8	2
02/02	33	-9	-5	-7	04/02	92	-7	2	-2	06/02	153	-2	6	2
02/03	34	-8	-2	-6	04/03	93	-2	3	1	06/03	154	-2	0	-1
02/04	35	-5	-1	-3	04/04	94	0	6	3	06/04	155	-2	6	2
02/05	36	-6	-1	-3	04/05	95	6	12	8	06/05	156	6	14	9
02/06	37	-6	-1	-3	04/06	96	6	12	7	06/06	157	7	16	9
02/07	38	-8	-6	-7	04/07	97	5	12	8	06/07	158	4	12	9
02/08	39	-9	-7	-8	04/08	98	-1	11	5	06/08	159	4	12	7
02/09	40	-10	-6	-8	04/09	99	-2	1	-1	06/09	160	3	8	4
02/10	41	-11	-6	-8	04/10	100	-4	-2	-3	06/10	161	-2	4	1
02/11	42	-11	-5	-7	04/11	101	-6	-1	-3	06/11	162	-2	1	-1
02/12	43	-13	-8	-11	04/12	102	-11	-6	-9	06/12	163	-2	6	1
02/13	44	-11	-8	-9	04/13	103	-9	1	-5	06/13	164	0	4	2
02/14	45	-14	-9	-11	04/14	104	-2	1	-1	06/14	165	2	12	7
02/15	46	-13	-8	-10	04/15	105	-1	2	0	06/15	166	8	14	11
02/16	47	-9	-4	-7	04/16	106	-6	1	-3	06/16	167	5	17	11
02/17	48	-7	-6	-6	04/17	107	-5	0	-3	06/17	168	2	8	4
02/18	49	-9	-1	-7	04/18	108	-5	0	-3	06/18	169	2	9	6
02/19	50	-4	1	-2	04/19	109	-7	-1	-3	06/19	170	0	4	2
02/20	51	-4	-2	-3	04/20	110	-6	-1	-4	06/20	171	0	6	2
02/21	52	-4	0	-2	04/21	111	-4	-3	-4	06/21	172	-1	6	2
02/22	53	-4	1	-2	04/22	112	-3	-1	-2	06/22	173	-1	7	3
02/23	54	-6	-1	-3	04/23	113	-3	1	-1	06/23	174	-1	6	2
02/24	55	-7	-3	-6	04/24	114	-3	-1	-2	06/24	175	-2	4	1
02/25	56	-6	-1	-4	04/25	115	-8	-2	-4	06/25	176	0	11	6
02/26	57	-7	-6	-6	04/26	116	-8	-4	-6	06/26	177	3	9	6
02/27	58	-10	-6	-8	04/27	117	-5	-2	-4	06/27	178	3	8	6
02/28	59	-12	-9	-11	04/28	118	-6	-1	-3	06/28	179	1	6	3
					04/29	119	-6	2	-2	06/29	180	0	6	2
					04/30	120	-4	0	-2	06/30	181	-1	7	3

TABLE 9.7b: 1966 Daily air temperature in degrees C at the HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	1	5	3	09/01	244	5	11	7	11/01	305	2	13	8
07/02	183	1	4	3	09/02	245	6	18	9	11/02	306	-1	7	3
07/03	184	1	3	2	09/03	246	12	22	16	11/03	307	1	8	4
07/04	185	3	13	8	09/04	247	13	21	17	11/04	308	2	8	4
07/05	186	2	10	6	09/05	248	8	18	12	11/05	309	-6	2	-2
07/06	187	2	12	6	09/06	249	4	11	8	11/06	310	-6	-1	-3
07/07	188	6	14	10	09/07	250	7	12	9	11/07	311	-7	-4	-4
07/08	189	4	16	10	09/08	251	10	16	12	11/08	312	-11	-7	-10
07/09	190	3	16	11	09/09	252	6	16	9	11/09	313	-9	-2	-5
07/10	191	3	11	6	09/10	253	2	11	6	11/10	314	-9	-5	-8
07/11	192	3	12	7	09/11	254	1	4	2	11/11	315	-9	-4	-7
07/12	193	6	16	10	09/12	255	3	8	6	11/12	316	-7	-1	-4
07/13	194	6	15	9	09/13	256	8	14	11	11/13	317	-6	2	-2
07/14	195	9999	9999	9999	09/14	257	9999	9999	9999	11/14	318	-2	-1	-2
07/15	196	9999	9999	9999	09/15	258	9999	9999	9999	11/15	319	-4	-1	-3
07/16	197	9999	9999	9999	09/16	259	4	10	6	11/16	320	-4	-3	-4
07/17	198	9999	9999	9999	09/17	260	5	10	8	11/17	321	-4	0	-2
07/18	199	9999	9999	9999	09/18	261	1	5	3	11/18	322	-2	3	0
07/19	200	9999	9999	9999	09/19	262	1	12	7	11/19	323	-2	3	1
07/20	201	1	11	6	09/20	263	8	18	13	11/20	324	-2	1	-1
07/21	202	7	16	11	09/21	264	14	22	17	11/21	325	-6	-2	-4
07/22	203	8	17	12	09/22	265	9	20	16	11/22	326	-6	-4	-5
07/23	204	6	14	10	09/23	266	5	9	7	11/23	327	-5	-3	-4
07/24	205	1	7	4	09/24	267	7	10	7	11/24	328	-5	-2	-4
07/25	206	2	7	4	09/25	268	4	7	6	11/25	329	-7	0	-4
07/26	207	3	13	8	09/26	269	4	7	5	11/26	330	-8	-6	-7
07/27	208	9	17	12	09/27	270	3	11	7	11/27	331	-2	0	-2
07/28	209	9	17	12	09/28	271	5	10	7	11/28	332	-1	1	-1
07/29	210	9	18	13	09/29	272	5	12	8	11/29	333	-1	0	-1
07/30	211	6	16	11	09/30	273	8	17	12	11/30	334	1	3	1
07/31	212	5	16	10	10/01	274	0	11	5	12/01	335	-3	2	-1
08/01	213	8	18	13	10/02	275	-1	7	3	12/02	336	-3	-1	-2
08/02	214	11	20	15	10/03	276	5	13	9	12/03	337	-4	-3	-3
08/03	215	10	18	13	10/04	277	8	12	10	12/04	338	-8	-2	-4
08/04	216	6	13	9	10/05	278	9	16	12	12/05	339	-7	-6	-6
08/05	217	6	14	9	10/06	279	4	10	7	12/06	340	-10	-4	-6
08/06	218	7	19	13	10/07	280	1	4	3	12/07	341	-11	-9	-11
08/07	219	10	19	14	10/08	281	-3	2	-1	12/08	342	-13	-11	-11
08/08	220	7	13	9	10/09	282	-3	7	2	12/09	343	-12	-4	-9
08/09	221	6	9	7	10/10	283	2	8	4	12/10	344	-8	0	-2
08/10	222	3	6	5	10/11	284	-3	2	-1	12/11	345	9999	9999	9999
08/11	223	1	12	7	10/12	285	-6	-1	-4	12/12	346	9999	9999	9999
08/12	224	6	14	9	10/13	286	-6	-1	-4	12/13	347	9999	9999	9999
08/13	225	6	7	7	10/14	287	-4	3	-1	12/14	348	9999	9999	9999
08/14	226	7	13	8	10/15	288	-3	4	0	12/15	349	9999	9999	9999
08/15	227	7	14	9	10/16	289	-4	-1	-2	12/16	350	9999	9999	9999
08/16	228	5	11	7	10/17	290	-5	-4	-4	12/17	351	9999	9999	9999
08/17	229	6	16	11	10/18	291	-4	5	1	12/18	352	9999	9999	9999
08/18	230	7	16	11	10/19	292	-2	1	-1	12/19	353	9999	9999	9999
08/19	231	8	16	12	10/20	293	-7	-2	-5	12/20	354	9999	9999	9999
08/20	232	8	17	13	10/21	294	9999	9999	9999	12/21	355	9999	9999	9999
08/21	233	11	16	13	10/22	295	-4	2	-1	12/22	356	9999	9999	9999
08/22	234	15	19	17	10/23	296	2	5	4	12/23	357	9999	9999	9999
08/23	235	15	21	18	10/24	297	4	8	6	12/24	358	9999	9999	9999
08/24	236	12	24	17	10/25	298	6	11	9	12/25	359	9999	9999	9999
08/25	237	4	19	8	10/26	299	-1	6	3	12/26	360	9999	9999	9999
08/26	238	5	7	6	10/27	300	-5	3	-1	12/27	361	9999	9999	9999
08/27	239	1	8	4	10/28	301	-2	6	3	12/28	362	9999	9999	9999
08/28	240	2	7	4	10/29	302	1	7	3	12/29	363	9999	9999	9999
08/29	241	0	5	3	10/30	303	-1	4	1	12/30	364	9999	9999	9999
08/30	242	2	9	3	10/31	304	2	7	4	12/31	365	9999	9999	9999
08/31	243	4	11	7										

TABLE 9.8: 1966 Temperature in degrees C at the HUT using a Rauchfuss recorder.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
10/01	274	-3	9	3	11/01	305	-2	11	6	12/01	335	-7	-4	-6
10/02	275	-4	6	1	11/02	306	-4	4	-1	12/02	336	-8	-6	-7
10/03	276	2	13	7	11/03	307	-3	6	1	12/03	337	-13	-6	-8
10/04	277	6	11	9	11/04	308	-3	6	1	12/04	338	-13	-10	-11
10/05	278	7	14	10	11/05	309	-11	-3	-7	12/05	339	-15	-9	-11
10/06	279	1	8	4	11/06	310	-11	-4	-9	12/06	340	-16	-14	-16
10/07	280	-3	2	0	11/07	311	-14	-8	-11	12/07	341	-19	-15	-17
10/08	281	-8	-1	-5	11/08	312	-17	-7	-14	12/08	342	-18	-6	-15
10/09	282	-8	5	-1	11/09	313	-13	-5	-9	12/09	343	-8	0	-4
10/10	283	-2	5	1	11/10	314	-15	-10	-13	12/10	344	-8	-1	-5
10/11	284	-8	-2	-5	11/11	315	-15	-5	-10	12/11	345	-8	-1	-3
10/12	285	-10	-4	-8	11/12	316	-11	-5	-8	12/12	346	-10	-3	-7
10/13	286	-11	-3	-8	11/13	317	-11	-1	-6	12/13	347	-10	-2	-6
10/14	287	-9	1	-4	11/14	318	-6	-3	-4	12/14	348	-4	0	-2
10/15	288	-7	3	-4	11/15	319	-8	-4	-6	12/15	349	-4	-1	-3
10/16	289	-9	-4	-6	11/16	320	-9	-6	-8	12/16	350	-5	-1	-3
10/17	290	-9	-8	-9	11/17	321	-8	-4	-5	12/17	351	-5	-2	-4
10/18	291	-9	3	-3	11/18	322	-6	-1	-3	12/18	352	-11	-4	-8
10/19	292	-6	-3	-4	11/19	323	-6	0	-3	12/19	353	-14	-6	-10
10/20	293	-13	-6	-9	11/20	324	-6	-3	-5	12/20	354	-14	-5	-10
10/21	294	-14	-8	-11	11/21	325	-11	-6	-8	12/21	355	-15	-8	-11
10/22	295	-9	-2	-4	11/22	326	-10	-8	-9	12/22	356	-11	-8	-9
10/23	296	-3	3	1	11/23	327	-9	-7	-9	12/23	357	-14	-8	-12
10/24	297	0	6	3	11/24	328	-9	-4	-6	12/24	358	-18	-13	-15
10/25	298	3	9	7	11/25	329	-13	-5	-10	12/25	359	-19	-12	-14
10/26	299	-4	3	-1	11/26	330	-13	-5	-9	12/26	360	-12	-7	-9
10/27	300	-9	-2	-4	11/27	331	-5	-2	-3	12/27	361	-11	-9	-11
10/28	301	-6	4	0	11/28	332	-6	-1	-4	12/28	362	-11	-8	-9
10/29	302	-3	4	1	11/29	333	-5	0	-3	12/29	363	-13	-6	-9
10/30	303	-4	3	-2	11/30	334	-6	-1	-4	12/30	364	-15	-9	-13
10/31	304	-1	4	1						12/31	365	-11	-6	-9

TABLE 9.9: 1966 Daily air temperature in degrees C
at HOCHJOCH using a Rauchfuss recorder.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
10/01	274	-5	8	1	11/01	305	-3	10	4	12/01	335	9999	9999	9999
10/02	275	-6	6	-1	11/02	306	-4	6	-1	12/02	336	9999	9999	9999
10/03	276	1	13	6	11/03	307	-4	8	1	12/03	337	9999	9999	9999
10/04	277	6	14	9	11/04	308	-5	5	-1	12/04	338	9999	9999	9999
10/05	278	5	14	9	11/05	309	-12	-5	-8	12/05	339	9999	9999	9999
10/06	279	0	7	3	11/06	310	-12	-4	-9	12/06	340	9999	9999	9999
10/07	280	-3	1	-1	11/07	311	-15	-7	-11	12/07	341	9999	9999	9999
10/08	281	-10	-2	-6	11/08	312	-18	-8	-14	12/08	342	9999	9999	9999
10/09	282	-11	3	-3	11/09	313	-13	-6	-9	12/09	343	9999	9999	9999
10/10	283	-3	3	-1	11/10	314	-18	-8	-13	12/10	344	9999	9999	9999
10/11	284	-9	-3	-6	11/11	315	-16	-4	-9	12/11	345	9999	9999	9999
10/12	285	-11	-4	-9	11/12	316	-14	-6	-10	12/12	346	9999	9999	9999
10/13	286	-13	-4	-9	11/13	317	-10	-3	-6	12/13	347	9999	9999	9999
10/14	287	-11	2	-5	11/14	318	9999	9999	9999	12/14	348	9999	9999	9999
10/15	288	-8	1	-4	11/15	319	9999	9999	9999	12/15	349	9999	9999	9999
10/16	289	-10	-6	-8	11/16	320	9999	9999	9999	12/16	350	9999	9999	9999
10/17	290	-10	-8	-9	11/17	321	9999	9999	9999	12/17	351	9999	9999	9999
10/18	291	-10	-3	-6	11/18	322	9999	9999	9999	12/18	352	9999	9999	9999
10/19	292	-6	-3	-4	11/19	323	9999	9999	9999	12/19	353	9999	9999	9999
10/20	293	-14	-6	-11	11/20	324	9999	9999	9999	12/20	354	9999	9999	9999
10/21	294	-14	-9	-11	11/21	325	9999	9999	9999	12/21	355	9999	9999	9999
10/22	295	-9	-2	-4	11/22	326	9999	9999	9999	12/22	356	9999	9999	9999
10/23	296	-3	1	0	11/23	327	9999	9999	9999	12/23	357	9999	9999	9999
10/24	297	-2	4	1	11/24	328	9999	9999	9999	12/24	358	9999	9999	9999
10/25	298	1	9	5	11/25	329	9999	9999	9999	12/25	359	9999	9999	9999
10/26	299	0	6	3	11/26	330	9999	9999	9999	12/26	360	9999	9999	9999
10/27	300	-12	2	-5	11/27	331	9999	9999	9999	12/27	361	9999	9999	9999
10/28	301	-3	5	1	11/28	332	9999	9999	9999	12/28	362	9999	9999	9999
10/29	302	-4	3	-1	11/29	333	9999	9999	9999	12/29	363	9999	9999	9999
10/30	303	-8	-1	-3	11/30	334	9999	9999	9999	12/30	364	9999	9999	9999
10/31	304	-2	9	4						12/31	365	9999	9999	9999

TABLE 9.10: 1966 Daily air temperature in degrees C at
SENTINEL PEAK using a Rauchfuss recorder.

JULIAN		TEMPERATURE			JULIAN		TEMPERATURE			JULIAN		TEMPERATURE		
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
10/01	274	9999	9999	9999	11/01	305	-5	6	1	12/01	335	-10	-5	-8
10/02	275	9999	9999	9999	11/02	306	-11	1	-3	12/02	336	-11	-9	-10
10/03	276	9999	9999	9999	11/03	307	-6	3	-2	12/03	337	-13	-10	-11
10/04	277	9999	9999	9999	11/04	308	-8	-1	-3	12/04	338	-17	-10	-13
10/05	278	9999	9999	9999	11/05	309	-15	-8	-10	12/05	339	-17	-14	-15
10/06	279	9999	9999	9999	11/06	310	-15	-9	-13	12/06	340	-18	-13	-15
10/07	280	9999	9999	9999	11/07	311	-18	-12	-14	12/07	341	-20	-18	-19
10/08	281	9999	9999	9999	11/08	312	-20	-10	-16	12/08	342	-21	-18	-19
10/09	282	9999	9999	9999	11/09	313	-15	-8	-11	12/09	343	-21	-10	-16
10/10	283	9999	9999	9999	11/10	314	-20	-13	-17	12/10	344	-10	-6	-8
10/11	284	9999	9999	9999	11/11	315	-18	-6	-10	12/11	345	-10	-5	-8
10/12	285	9999	9999	9999	11/12	316	-15	-7	-13	12/12	346	-10	-4	-8
10/13	286	-15	-9	-13	11/13	317	-13	-4	-8	12/13	347	-11	-4	-6
10/14	287	-11	-1	-6	11/14	318	-10	-8	-9	12/14	348	-13	-8	-11
10/15	288	-9	-3	-7	11/15	319	-13	-9	-11	12/15	349	-8	-4	-4
10/16	289	-13	-6	-9	11/16	320	-14	-10	-11	12/16	350	-6	-4	-4
10/17	290	-13	-11	-12	11/17	321	-14	-6	-10	12/17	351	-7	-4	-6
10/18	291	-12	-4	-8	11/18	322	-7	-3	-5	12/18	352	-6	-4	-5
10/19	292	-9	4	-6	11/19	323	-9	-4	-6	12/19	353	-8	-5	-6
10/20	293	-16	-9	-13	11/20	324	-9	-6	-8	12/20	354	-13	-8	-10
10/21	294	-18	-10	-14	11/21	325	-14	-9	-12	12/21	355	-14	-13	-13
10/22	295	-10	-4	-6	11/22	326	-14	-11	-13	12/22	356	-14	-12	-13
10/23	296	-4	0	-2	11/23	327	-13	-9	-11	12/23	357	-14	-12	-13
10/24	297	0	4	2	11/24	328	-13	-8	-11	12/24	358	-14	-11	-13
10/25	298	-1	5	3	11/25	329	-16	-6	-12	12/25	359	-15	-11	-14
10/26	299	-8	-1	-4	11/26	330	-16	-14	-16	12/26	360	-18	-11	-15
10/27	300	-14	-3	-9	11/27	331	-14	-6	-9	12/27	361	-19	-14	-16
10/28	301	-6	1	-3	11/28	332	-8	-5	-7	12/28	362	-15	-12	-14
10/29	302	-6	1	-3	11/29	333	-9	-5	-7	12/29	363	-14	-11	-13
10/30	303	-10	-4	-9	11/30	334	-6	-3	-4	12/30	364	-14	-12	-13
10/31	304	-4	4	2						12/31	365	-12	-10	-11

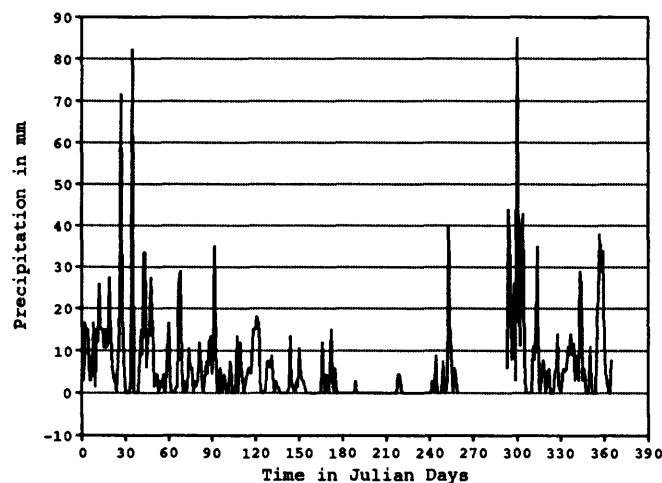
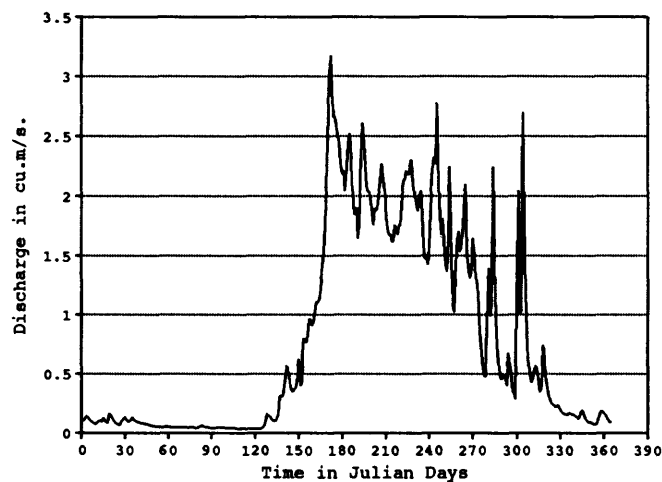
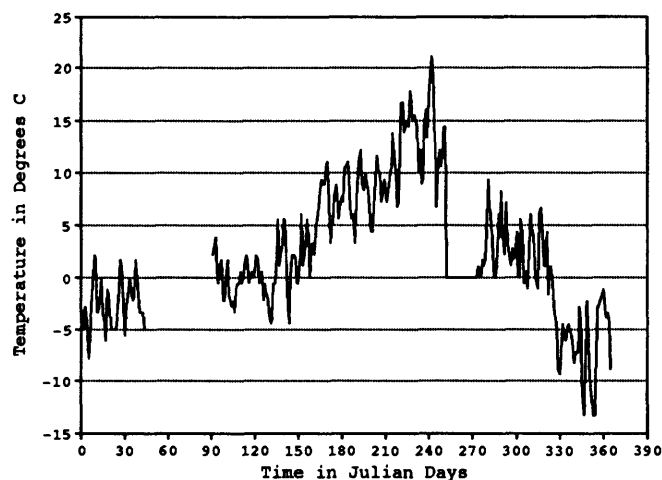


FIGURE 11: 1967 daily mean air temperature, daily mean discharge, and daily precipitation at the Gaging Station on South Fork Cascade River.

TABLE 10.1: 1967 Daily mean discharge at South Fork Cascade River
GAGING STATION. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.099	0.096	0.051	0.037	0.034	0.42	2.0	1.7	2.3	1.1	1.8	0.15
2	0.11	0.091	0.048	0.037	0.034	0.79	2.2	1.6	2.8	0.85	1.2	0.17
3	0.14	0.099	0.045	0.040	0.034	0.79	2.4	1.6	2.1	0.68	0.85	0.17
4	0.13	0.13	0.045	0.042	0.034	0.76	2.5	1.8	1.8	0.54	0.62	0.15
5	0.12	0.11	0.048	0.042	0.037	0.82	2.4	1.7	1.7	0.48	0.48	0.15
6	0.099	0.10	0.045	0.042	0.057	0.96	2.1	1.7	1.8	0.48	0.42	0.15
7	0.091	0.096	0.045	0.042	0.093	0.96	1.8	1.8	1.5	1.1	0.45	0.13
8	0.082	0.088	0.048	0.042	0.16	0.91	1.9	1.8	1.4	1.4	0.54	0.12
9	0.071	0.085	0.048	0.040	0.15	0.93	1.9	1.9	1.4	0.99	0.57	0.14
10	0.071	0.079	0.048	0.040	0.13	1.0	1.6	2.1	1.6	1.1	0.51	0.18
11	0.085	0.076	0.048	0.040	0.12	1.1	1.8	2.1	2.2	2.2	0.42	0.19
12	0.093	0.074	0.045	0.040	0.11	1.1	2.3	2.2	1.5	1.4	0.34	0.15
13	0.099	0.071	0.045	0.040	0.099	1.1	2.6	2.2	1.1	0.96	0.40	0.12
14	0.096	0.071	0.042	0.037	0.099	1.2	2.4	2.2	1.0	0.74	0.74	0.10
15	0.12	0.068	0.040	0.037	0.12	1.4	2.2	2.3	1.3	0.54	0.71	0.088
16	0.11	0.065	0.042	0.037	0.16	1.5	2.0	2.3	1.6	0.45	0.48	0.088
17	0.088	0.062	0.042	0.034	0.31	1.8	2.0	2.1	1.7	0.45	0.37	0.088
18	0.082	0.059	0.042	0.034	0.31	2.1	2.0	2.0	1.5	0.48	0.31	0.079
19	0.16	0.057	0.042	0.034	0.31	2.5	1.9	1.9	1.6	0.48	0.28	0.071
20	0.15	0.054	0.040	0.034	0.40	2.9	1.8	1.9	1.8	0.40	0.25	0.068
21	0.13	0.054	0.040	0.034	0.48	3.2	1.9	2.0	2.0	0.68	0.23	0.068
22	0.10	0.051	0.045	0.037	0.57	2.9	1.9	2.0	2.1	0.62	0.22	0.12
23	0.088	0.051	0.054	0.034	0.51	2.7	1.9	1.8	1.5	0.45	0.21	0.14
24	0.076	0.048	0.062	0.034	0.42	2.7	2.0	1.6	1.4	0.34	0.22	0.18
25	0.068	0.048	0.057	0.034	0.37	2.5	2.1	1.5	1.3	0.34	0.22	0.18
26	0.065	0.048	0.051	0.034	0.34	2.5	2.3	1.5	1.4	0.28	0.19	0.17
27	0.079	0.051	0.048	0.034	0.37	2.4	2.2	1.4	1.6	1.5	0.17	0.15
28	0.10	0.051	0.045	0.034	0.40	2.3	2.0	1.6	1.5	2.0	0.17	0.13
29	0.12		0.042	0.034	0.48	2.2	1.8	1.9	1.3	1.0	0.16	0.11
30	0.13		0.040	0.034	0.62	2.2	1.7	2.2	1.2	1.0	0.15	0.09
31	0.11		0.040		0.40		1.7	2.3		2.7		0.08
TOTAL	3.2	2.0	1.4	1.1	7.8	51	63	59	49	28	14	4.0
MEAN	0.10	0.073	0.046	0.037	0.25	1.7	2.0	1.9	1.6	0.90	0.46	0.13
MAX	0.16	0.13	0.062	0.042	0.62	3.2	2.6	2.3	2.8	2.7	1.8	0.19
MIN	0.065	0.048	0.040	0.034	0.034	0.42	1.6	1.4	1.0	0.28	0.15	0.068

TABLE 10.2: 1967 Daily mean discharge at SALIX Creek gaging station. Units are cubic meters per second.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.0023	0.0020	0.0011	0.00085	0.0011	0.068	0.085	0.012	0.0023	0.016	0.028	0.0017
2	0.0023	0.0020	0.0011	0.00085	0.0011	0.068	0.10	0.010	0.0065	0.013	0.022	0.0017
3	0.0028	0.0020	0.0011	0.00085	0.0045	0.059	0.10	0.010	0.0023	0.020	0.011	0.0014
4	0.0025	0.0017	0.0011	0.0011	0.010	0.057	0.085	0.0093	0.0017	0.011	0.0082	0.0014
5	0.0023	0.0017	0.0011	0.0017	0.013	0.068	0.074	0.0082	0.0017	0.012	0.0074	0.0014
6	0.0020	0.0017	0.0011	0.0017	0.015	0.074	0.057	0.0088	0.0028	0.019	0.0057	0.0011
7	0.0017	0.0017	0.0011	0.0014	0.021	0.065	0.057	0.010	0.0020	0.040	0.020	0.0011
8	0.0017	0.0017	0.0011	0.0014	0.023	0.048	0.071	0.0074	0.0017	0.010	0.024	0.0011
9	0.0017	0.0017	0.0011	0.0014	0.015	0.045	0.048	0.0068	0.0023	0.0057	0.014	0.0011
10	0.0017	0.0014	0.0011	0.0014	0.015	0.042	0.054	0.0062	0.040	0.028	0.012	0.0028
11	0.0020	0.0011	0.0011	0.0014	0.012	0.045	0.079	0.0054	0.040	0.048	0.0093	0.0023
12	0.0023	0.0011	0.0011	0.0014	0.0088	0.054	0.082	0.0051	0.011	0.024	0.011	0.0017
13	0.0020	0.0011	0.0011	0.0014	0.0068	0.068	0.079	0.0042	0.0051	0.024	0.028	0.0014
14	0.0020	0.0011	0.0011	0.0014	0.0065	0.082	0.062	0.0037	0.0031	0.017	0.051	0.0011
15	0.0020	0.0011	0.0011	0.0014	0.013	0.088	0.057	0.0034	0.0023	0.016	0.018	0.0011
16	0.0020	0.0011	0.0011	0.0014	0.028	0.10	0.054	0.0028	0.0017	0.018	0.011	0.0011
17	0.0020	0.0011	0.0011	0.0014	0.040	0.12	0.051	0.0025	0.0017	0.014	0.0082	0.0011
18	0.0017	0.0011	0.0011	0.0011	0.034	0.13	0.042	0.0025	0.0017	0.024	0.0068	0.0011
19	0.0017	0.0011	0.0011	0.0011	0.034	0.15	0.034	0.0023	0.0014	0.017	0.0051	0.00085
20	0.0017	0.0011	0.0011	0.0011	0.051	0.15	0.037	0.0023	0.0011	0.016	0.0045	0.00085
21	0.0017	0.0011	0.0011	0.0011	0.068	0.11	0.034	0.0034	0.0014	0.062	0.0037	0.0011
22	0.0017	0.0011	0.0011	0.0011	0.062	0.099	0.028	0.0023	0.0017	0.019	0.0034	0.0014
23	0.0017	0.0011	0.0023	0.0011	0.048	0.091	0.034	0.0023	0.0011	0.013	0.0028	0.0028
24	0.0017	0.0011	0.0025	0.0011	0.026	0.10	0.028	0.0020	0.0011	0.010	0.0023	0.0057
25	0.0017	0.0011	0.0020	0.0011	0.018	0.11	0.028	0.0017	0.0011	0.014	0.0025	0.0040
26	0.0017	0.0011	0.0014	0.0011	0.021	0.099	0.024	0.0017	0.00085	0.010	0.0023	0.0034
27	0.0017	0.0011	0.0011	0.0011	0.034	0.082	0.023	0.0017	0.00085	0.20	0.0017	0.0028
28	0.0023	0.0011	0.0011	0.0011	0.045	0.074	0.018	0.0014	0.00085	0.040	0.0017	0.0025
29	0.0023		0.0011	0.0011	0.048	0.091	0.017	0.0011	0.0014	0.018	0.0017	0.0023
30	0.0023		0.0011	0.0011	0.028	0.071	0.014	0.0011	0.0068	0.071	0.0017	0.0020
31	0.0020		0.00085		0.024		0.013	0.0011		0.11		0.0020
TOTAL	0.061	0.038	0.039	0.037	0.77	2.5	1.6	0.14	0.15	0.96	0.33	0.058
MEAN	0.0020	0.0014	0.0012	0.0012	0.025	0.084	0.051	0.0045	0.0051	0.031	0.011	0.0019
MAX	0.0028	0.0020	0.0025	0.0017	0.068	0.15	0.10	0.012	0.040	0.20	0.051	0.0057
MIN	0.0017	0.0011	0.00085	0.00085	0.0011	0.042	0.013	0.0011	0.00085	0.0057	0.0017	0.00085

TABLE 10.3: 1967 Instantaneous Meteorological Observations recorded at the HUT. Minimum, maximum and current temperature, and wet and dry bulb psychrometer readings are in degrees Celsius. Wind direction is standard using "C" for calm. Wind run and wind speed are since last observation. Cloud cover ranges from 0 for clear sky to 10 for 100% overcast. "9999" and *'s indicate missing data.

DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER		
		MAX	MIN	CURR	WET	DRY	%HUM	DIR	RUN (KM)		SPEED (KM/HR)	
		SLO	SLO									
JUN	5	1805	9999	9999	13	5.0	10.6	40	***	9999	9999	0
	6	700	9999	9999	10	4.4	8.1	56	S	9999	9999	1
		1800	11	6	6	5.6	6.7	90	WNW	9999	9999	10
	7	735	9999	9999	3	2.2	2.5	96	NW	9999	9999	10
		1800	15	0	1	9999	9999	100	WNW	9999	9999	10
	8	710	-3	-3	1	9999	9999	100	***	9999	9999	10
		1815	11	-2	1	9999	9999	100	WNW	9999	9999	10
	9	720	9999	9999	0	9999	9999	100	NW	9999	9999	10
		1830	11	-2	1	9999	9999	100	***	9999	9999	10
	10	720	1	0	3	9999	9999	100	W	9999	9999	10
		1800	4	2	2	9999	9999	100	W	9999	9999	10
	11	745	9999	9999	1	3.3	4.7	80	***	9999	9999	10
		1800	9	1	4	5.3	7.2	75	W	47.5	4.6	8
	12	520	9999	9999	7	1.9	6.4	42	SE	52.9	4.7	0
		1750	12	3	7	5.0	6.9	72	W	72.3	5.8	10
	13	740	9999	9999	8	5.8	8.3	68	S	63.6	4.6	1
		1800	12	6	10	5.0	11.7	31	SSE	61.2	5.9	5
	14	715	9999	9999	11	5.8	12.2	35	W	57.9	4.4	0
		1800	15	8	13	6.4	12.8	36	NW	52.1	4.9	0
	15	730	15	9	14	6.1	15.0	21	S	77.2	5.7	0
		1800	18	9	16	9.4	15.6	44	W	52.6	5.0	0
	16	720	13	10	12	7.2	11.7	52	W	72.6	5.4	1
		1805	16	10	14	7.8	13.3	45	W	67.3	6.3	3
	17	730	9999	9999	13	8.9	14.4	46	W	105.4	7.8	0
		1800	18	10	16	11.1	16.1	9999	W	68.6	6.5	0
	18	430	11	10	11	4.4	10.6	34	W	73.2	7.0	0
		1800	19	10	18	8.9	16.1	36	SW	190.4	14.1	0
	19	730	16	13	16	6.7	16.1	40	S	273.7	20.3	0
		1800	21	13	20	11.1	18.9	36	SW	146.8	14.0	0
	20	700	17	12	14	10.6	15.0	58	C	152.4	11.7	0
		1800	20	17	9	9999	9999	100	W	75.2	6.8	10
	21	730	18	5	6	9999	9999	100	***	53.4	4.0	10
		1800	7	5	5	9999	9999	100	NW	48.4	4.6	10
	22	730	7	3	4	4.4	5.0	92	E	34.3	2.5	10
		1800	12	7	7	7.8	8.9	86	W	59.9	5.7	10
	23	745	12	5	8	7.8	8.9	86	***	82.7	6.0	5
		1800	13	8	12	10.6	14.4	62	W	41.0	4.0	4
	24	715	9999	9999	11	7.2	11.7	52	SE	62.6	4.7	0
		1800	16	13	14	12.2	16.7	60	SW	84.2	7.8	0
	25	730	17	11	16	9.4	16.1	40	C	69.0	5.1	1
		1745	17	11	15	9.4	15.0	9999	SW	82.4	8.0	4
	26	730	17	4	12	7.8	12.2	54	***	48.4	3.5	10
		1745	17	8	9	6.7	9.4	67	SW	97.7	9.5	10
	27	730	9999	9999	6	6.7	7.2	94	W	103.5	7.5	10
		1900	12	7	4	7.2	4.4	80	SW	50.4	4.4	9
	28	700	9999	9999	10	7.8	10.6	68	W	54.1	4.5	0
	29	1805	13	4	10	7.8	11.1	62	W	229.8	6.6	0
	30	805	11	4	10	4.4	11.1	30	***	62.9	4.5	0
		1815	16	4	16	7.8	15.6	30	SW	68.1	6.7	0
JUL	1	800	9999	9999	11	5.0	12.8	22	S	229.7	16.7	0
		1800	19	8	19	10.0	20.6	20	SW	160.6	16.1	0

TABLE 10.3: 1967 Instantaneous Meteorological Observations (continued)

DATE	TIME	TEMPERATURE C			PSYCHROMETER C			WIND			CLOUD COVER	
		MAX	MIN	CURR	WET	DRY	%HUM	DIR	RUN (KM)	SPEED (KM/HR)		
		SLO	SLO									
JUL	2	800	9999	9999	16	8.9	18.3	24	S	65.8	4.7	0
		1815	23	9	19	10.6	20.0	26	***	67.1	6.5	6
	3	730	9999	9999	14	9.4	16.7	36	W	72.3	5.5	0
		1800	20	12	16	10.0	16.1	45	SW	98.3	9.4	0
	4	745	9999	9999	10	7.2	11.1	35	SW	146.1	10.6	5
		1805	16	9	10	6.9	10.0	64	WSW	125.9	12.3	9
	5	730	10	6	7	6.1	10.6	50	SE	104.9	7.8	1
		1800	13	9	12	7.8	10.8	65	NW	59.1	5.6	6
	6	730	11	4	6	5.6	6.7	85	WSW	56.6	4.2	10
		1830	11	5	7	3.9	7.2	58	WSW	61.5	5.6	6
	7	800	9	3	8	5.0	8.3	60	S	35.4	2.6	0.5
		1915	13	3	8	6.1	7.8	79	W	62.0	5.5	10
	8	830	8	3	3	9999	9999	100	WSW	146.8	11.1	10
		1800	8	2	2	9999	9999	100	W	84.8	8.9	10
	9	800	3	2	3	1.7	2.8	82	***	43.8	3.1	10
		1930	10	8	8	5.0	7.2	71	NW	49.1	4.3	1
	10	730	10	3	9	5.0	11.7	31	SE	35.6	3.0	0
		1810	19	9	18	10.0	17.8	34	SW	130.0	12.2	0
	11	700	19	9	12	7.2	13.9	36	ESE	225.3	17.6	0
		1820	20	10	22	10.8	18.3	37	SW	118.0	10.4	0
	12	800	9999	9999	17	9.2	16.9	32	E	237.9	17.4	6
		1815	21	14	19	12.8	18.3	52	SW	136.6	13.3	7
	13	800	19	8	10	8.3	10.6	74	W	61.3	4.5	4
		1815	19	8	13	10.0	13.9	62	W	43.6	4.3	4
	14	800	9	6	9	5.0	8.3	60	W	92.1	6.7	0
		1800	17	7	14	7.5	13.1	44	SW	74.4	7.4	0
	15	800	14	9	14	6.7	12.8	38	W	60.5	4.3	0
		1800	19	9	16	11.7	17.2	51	W	65.7	6.6	0
	16	800	16	9	12	7.8	12.8	48	SSW	66.5	4.7	0
		1845	20	9	17	10.6	17.2	42	WSW	78.5	7.3	1
	17	700	17	7	9	5.8	9.2	60	SE	76.3	6.2	1
		1830	18	8	9	6.7	10.6	57	SW	149.8	13.0	6
	18	800	9	6	8	7.2	10.6	62	W	118.9	8.8	8
		2000	12	6	7	5.0	6.1	86	N	103.6	8.6	10
	19	850	7	4	6	5.6	7.2	78	SW	47.8	3.7	10
		1800	9	5	6	5.6	6.1	92	SSW	81.8	8.9	10
	20	730	7	4	6	5.6	6.7	86	SE	9999	9999	10
		1800	8	6	6	9999	9999	100	W	195.5	8.1	10
	21	730	6	4	6	5.6	6.1	94	W	100.3	7.4	10
		1815	12	4	10	6.7	10.0	62	SW	76.6	6.8	2
	22	730	11	7	9	6.1	10.0	56	SE	184.6	13.9	0
		1800	18	7	18	10.0	17.2	37	WSW	132.0	12.6	0
	23	730	19	7	14	10.0	15.6	49	SSE	76.1	5.6	0
		1800	21	7	19	10.6	18.3	35	W	73.9	7.0	1
	24	805	19	9	11	7.8	13.3	44	SE	81.4	5.8	0
		1810	18	11	16	10.0	13.9	62	W	105.4	10.5	2
	25	730	16	9	12	7.8	12.8	49	NW	62.6	4.7	2
		1812	18	9	19	11.7	15.6	64	SW	82.9	4.7	6
	26	730	16	8	9	9999	9999	100	SW	88.2	6.6	10
		1800	16	8	13	10.6	12.2	82	WSW	80.5	7.7	8
	27	730	8	6	7	7.2	8.9	86	SW	70.2	5.2	10
		1850	17	6	15	11.1	14.4	67	W	46.5	4.1	1
	28	730	17	8	14	3.9	14.4	<10	SE	65.3	5.2	0
		1800	19	8	16	10.0	13.9	62	W	49.9	4.8	0
	29	745	16	6	10	7.2	8.9	80	NE	46.0	3.3	1
		1845	17	7	16	9.4	13.9	56	W	88.8	8.1	3

TABLE 10.3: 1967 Instantaneous Meteorological Observations (continued)

DATE		TIME	TEMPERATURE C			PSYCHROMETER C			WIND			
			MAX	MIN	CURR				RUN		SPEED	CLOUD
			SLO	SLO	CURR	WET	DRY	%HUM	DIR	(KM)	(KM/HR)	COVER
JUL	30	730	16	7	10	7.8	11.1	63	SSW	87.1	6.8	5
		1800	13	7	11	8.9	11.1	75	W	63.1	6.0	8
	31	730	11	7	8	8.3	7.2	86	W	107.7	8.0	8
		1800	14	8	13	8.9	12.8	60	SW	125.0	11.9	2
AUG	1	1830	18	7	15	7.8	13.9	40	W	156.1	6.4	0
		730	15	9	13	5.6	15.0	17	SE	62.1	4.8	0
	2	1930	22	12	16	8.6	15.8	34	WSW	102.2	8.5	2
		745	17	12	16	8.3	15.0	38	WSW	32.3	2.6	0
	3	1815	21	12	18	17.8	11.1	43	W	92.4	8.8	5
		800	19	9	12	6.7	12.2	42	W	89.8	6.5	0
	4	1810	19	3	16	8.3	12.2	58	WSW	97.0	9.5	3
		745	14	7	10	6.7	11.1	52	SE	62.9	4.6	4
	5	1820	16	9	12	8.9	10.0	88	SW	73.5	7.0	10
		820	11	7	7	9999	9999	100	SSW	74.7	5.3	9.5
	6	1800	8	6	6	9999	9999	100	W	113.6	4.8	10
		850	6	4	5	9999	9999	100	W	189.6	12.8	10
	7	1800	9	6	8	9999	9999	100	W	81.9	8.9	10
		840	11	4	11	6.1	12.8	34	SE	124.1	8.5	0
	8	1750	20	11	19	11.7	18.9	40	W	123.0	13.4	0
		745	19	12	14	7.8	13.9	40	SE	254.1	18.3	0
	9	1810	21	12	21	9.4	18.3	27	SSE	164.2	15.8	0
		730	21	16	18	9.4	19.4	22	SSE	235.3	17.7	4
	10	1800	22	18	19	10.6	20.6	24	SE	105.9	10.1	3
		730	19	14	17	8.9	16.7	29	N	73.1	5.4	0
	11	1745	22	14	19	12.5	18.6	48	W	59.5	5.8	0
		745	19	12	14	11.1	16.7	50	SE	82.2	5.9	1
	12	1800	22	12	19	12.8	19.4	49	SW	82.7	8.1	0
		740	19	14	15	9.4	17.8	30	S	56.2	4.1	0
	13	1800	22	14	19	12.2	18.9	44	SW	84.2	8.1	0
		800	19	13	17	9.4	17.2	32	ESE	75.6	5.4	0
	14	1800	23	13	20	12.2	20.0	38	SW	84.8	8.5	0
		730	21	16	18	10.0	19.4	26	SE	171.1	12.7	0
	15	1810	26	16	24	12.8	22.2	32	W	116.4	10.9	0
		745	24	18	20	7.2	20.6	>10	S	45.9	3.4	0
	16	1805	26	18	22	15.0	22.8	26	SW	91.1	8.9	0
		0	19	16	18	7.2	18.3	12	SE	69.4	11.6	0
	17	1830	26	16	21	11.7	20.6	30	SW	69.8	3.8	0
		900	28	11	16	7.2	17.2	18	SE	59.4	4.1	1
	18	1830	24	14	19	11.1	19.4	33	SW	88.5	9.3	0
		745	21	15	18	8.9	17.8	26	***	81.1	6.1	3
	19	1830	23	14	20	10.8	20.8	23	SW	79.0	7.4	0.5
		730	19	14	17	7.2	17.2	17	NE	60.0	4.6	0
	20	1830	22	14	14	8.3	13.9	46	NE	102.7	9.3	9.5
		720	14	8	9	9999	9999	100	W	169.3	13.2	10
	21	1820	14	8	12	8.3	11.7	64	SW	152.9	13.9	2
		730	12	8	9	7.2	10.0	67	W	54.1	4.1	0
	22	1800	18	8	17	11.1	16.7	50	W	81.1	7.7	5
		800	17	8	8	7.2	8.9	80	W	128.6	9.2	8
	23	9999	10	8	8	5.6	7.8	72	WSW	9999	9999	8.5
		730	8	3	6	3.1	5.0	72	W	255.1	11.3	0
	24	1800	15	3	13	7.2	12.8	44	W	83.2	7.8	1
		730	13	8	11	5.0	10.6	40	SE	166.7	12.4	0
	25	1830	19	8	17	7.8	16.7	24	SE	239.0	21.7	0
		900	17	12	16	7.2	16.7	20	SE	342.5	23.6	0
		1740	22	12	18	8.3	17.8	22	W	94.0	10.8	7

TABLE 10.3: 1967 Instantaneous Meteorological Observations (continued)

DATE		TIME	TEMPERATURE C			PSYCHROMETER C			WIND		CLOUD COVER	
			MAX	MIN	CURR	WET	DRY	%HUM	DIR	SPEED		
			SLO	SLO								RUN (KM)
AUG	27	730	18	12	14	7.2	13.3	40	SSW	127.0	9.2	9
		1800	20	12	19	8.9	17.2	29	W	52.0	5.0	0
	28	730	18	14	16	7.8	15.0	34	SE	271.7	20.1	0
		1740	20	14	19	9.4	18.9	24	SE	107.7	10.6	3
	29	740	19	15	17	9.4	17.8	30	SE	381.1	27.2	0
		1730	23	15	22	10.0	21.1	17	SE	229.5	23.3	0
	30	730	22	17	17	7.8	17.2	21	SE	446.9	31.9	0
		1800	23	16	21	10.0	20.6	20	SE	322.4	30.7	0
	31	730	22	17	19	8.9	19.4	18	SE	391.1	29.0	1
		1815	22	17	19	10.6	18.9	32	W	212.6	19.8	2
SEPT	1	730	19	13	14	8.3	14.4	9999	E	81.0	6.1	1
		1800	19	10	10	9999	9999	100	NW	118.1	11.3	10
	2	830	9	5	5	9999	9999	100	NW	470.3	32.4	10
		1820	9	5	8	9999	9999	100	W	95.8	9.7	10
	3	730	18	6	18	8.3	12.2	60	C	66.9	5.1	0
		1800	9999	9999	9999	10.6	15.6	55	W	42.8	4.1	0
	4	800	23	6	14	6.7	12.8	38	W	81.3	5.8	1
		1800	20	6	17	11.1	15.6	59	S	60.8	6.1	3
	5	730	17	12	12	8.3	12.8	54	C	67.1	5.0	4
		1800	17	12	13	9.4	11.7	75	W	62.3	5.9	9
	6	730	14	4	5	3.9	6.1	70	NW	203.6	15.1	5
		1800	14	4	9	6.1	8.9	66	N	59.4	5.7	8
	7	730	10	7	9	5.0	11.1	35	SE	96.7	7.2	1
		1800	17	7	14	6.1	13.3	58	NE	61.6	5.9	4
	8	730	14	9	11	7.8	11.7	9999	E	136.8	10.1	8
		1800	16	9	10	8.3	11.1	66	W	67.4	6.4	8
	9	730	11	6	7	5.6	7.2	78	E	159.8	11.8	10
		1800	10	6	7	7.2	7.8	94	C	62.3	5.9	10
	10	730	8	6	8	9999	9999	100	E	127.8	9.5	10
		1800	9	4	4	9999	9999	100	W	227.1	21.6	10
	11	800	4	0	1	9999	9999	100	C	120.1	8.6	10
		1815	4	0	0	9999	9999	100	W	133.4	13.0	10
	12	730	1	-1	1	1.1	2.2	70	W	57.0	4.3	0
		1800	9	-1	6	4.4	7.2	64	W	67.4	6.4	0
	13	730	10	4	10	9999	9999	9999	SE	9999	9999	0
		1745	17	9999	15	6.7	13.9	31	C	9999	9999	0
	14	730	9999	11	13	5.3	11.9	32	***	9999	9999	0
		1845	18	13	16	6.9	15.6	24	SE	9999	9999	0
	15	640	17	13	14	5.6	13.3	26	E	9999	9999	0
		1810	18	13	17	8.1	17.2	23	SE	9999	9999	0
	16	700	18	14	16	7.5	15.0	31	E	9999	9999	0
		1750	22	15	19	9.4	19.4	22	SE	9999	9999	0
	17	650	19	15	16	7.8	15.8	28	C	9999	9999	0
OCT	19	1650	22	-4	-2	9999	9999	9999	C	9999	9999	4
	20	1630	7	-1	3	9999	9999	9999	NW	9999	9999	10
	21	1930	3	-3	-3	9999	9999	100	NW	9999	9999	10
	22	1930	1	-3	-2	9999	9999	9999	NW	9999	9999	10
25	2000	1	-5	-4	9999	9999	9999	W	9999	9999	10	

TABLE 10.4: 1967 Precipitation at the GAGING STATION in mm.

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3	0	17	9	18	3	0	0	9	9999	8	11
2	17	0	3	35	17	3	0	0	0	9999	0	9
3	14	3	0	3	3	2	0	0	0	9999	0	14
4	15	82	0	0	0	0	0	0	0	9999	0	9
5	3	0	0	0	0	0	0	0	0	9999	0	12
6	3	0	2	6	0	0	0	5	8	9999	0	3
7	6	0	2	0	2	0	0	5	0	9999	11	9
8	17	0	26	5	8	0	3	3	0	9999	8	3
9	2	9	29	3	8	0	0	0	3	9999	17	29
10	15	15	6	0	6	0	0	0	40	9999	35	26
11	12	9	0	0	9	0	0	0	17	9999	3	3
12	26	34	3	8	5	0	0	0	6	9999	0	6
13	15	34	0	6	0	0	0	0	0	9999	5	0
14	15	6	2	0	3	0	0	0	6	9999	8	0
15	11	14	11	0	2	12	0	0	5	9999	5	0
16	15	14	6	2	2	3	0	0	0	9999	0	11
17	11	27	6	14	0	0	0	0	9999	9999	5	3
18	12	15	0	0	0	5	0	0	9999	9999	6	0
19	27	2	3	12	0	3	0	0	9999	9999	0	0
20	14	5	2	6	0	0	0	0	9999	6	0	0
21	6	5	3	3	0	15	0	0	9999	44	0	17
22	3	0	12	0	0	5	0	0	9999	38	5	23
23	3	3	9	3	2	0	0	0	9999	8	6	38
24	9999	2	5	5	14	6	0	0	9999	15	14	29
25	8	5	0	6	3	0	0	0	9999	26	2	34
26	20	0	3	6	2	0	0	0	9999	3	0	12
27	72	2	8	5	0	0	0	0	9999	85	2	5
28	20	14	5	15	3	0	0	0	9999	29	6	3
29	8		12	15	2	0	0	0	9999	11	5	0
30	0		14	15	11	0	0	3	9999	37	6	0
31	0		5		5		0	0		43		8

TABLE 10.5: 1967 Precipitation at the HUT in mm.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9999	9999	9999	9999	9999	9999	0	0	18	9999	9999	9999
2	9999	9999	9999	9999	9999	9999	0	0	11	9999	9999	9999
3	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
4	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
5	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
6	9999	9999	9999	9999	9999	9999	0	5	12	9999	9999	9999
7	9999	9999	9999	9999	9999	9999	1	8	0	9999	9999	9999
8	9999	9999	9999	9999	9999	0	18	0	0	9999	9999	9999
9	9999	9999	9999	9999	9999	0	0	0	9	9999	9999	9999
10	9999	9999	9999	9999	9999	1	0	0	38	9999	9999	9999
11	9999	9999	9999	9999	9999	1	0	0	23	9999	9999	9999
12	9999	9999	9999	9999	9999	0	0	0	5	9999	9999	9999
13	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
14	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
15	9999	9999	9999	9999	9999	9999	0	0	9999	9999	9999	9999
16	9999	9999	9999	9999	9999	9999	0	0	9999	9999	9999	9999
17	9999	9999	9999	9999	9999	9999	0	0	9999	9999	9999	9999
18	9999	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999
19	9999	9999	9999	9999	9999	9999	2	0	0	9999	9999	9999
20	9999	9999	9999	9999	9999	5	17	0	0	9999	9999	9999
21	9999	9999	9999	9999	9999	22	0	6	5	9999	9999	9999
22	9999	9999	9999	9999	9999	3	0	0	0	9999	9999	9999
23	9999	9999	9999	9999	9999	2	0	0	0	9999	9999	9999
24	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
25	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
26	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
27	9999	9999	9999	9999	9999	0	0	0	0	9999	9999	9999
28	9999	9999	9999	9999	9999	0	0	0	9999	9999	9999	9999
29	9999		9999	9999	9999	0	0	0	9999	9999	9999	9999
30	9999		9999	9999	9999	0	0	0	9999	9999	9999	9999
31	9999		9999		9999		0	0		9999		9999

TABLE 10.6a: 1967 Daily air temperature in degrees C at the GAGING
STATION using a Stevens A35 recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-7	-4	-5	03/01	60	9999	9999	9999	05/01	121	-1	11	2
01/02	2	-6	-1	-3	03/02	61	9999	9999	9999	05/02	122	-4	9	2
01/03	3	-3	-3	-3	03/03	62	9999	9999	9999	05/03	123	-4	5	-1
01/04	4	-7	-2	-4	03/04	63	9999	9999	9999	05/04	124	-4	7	0
01/05	5	-8	-7	-8	03/05	64	9999	9999	9999	05/05	125	-4	7	1
01/06	6	-8	-4	-6	03/06	65	9999	9999	9999	05/06	126	-3	-2	-2
01/07	7	-6	-1	-3	03/07	66	9999	9999	9999	05/07	127	-2	2	-1
01/08	8	-1	0	-1	03/08	67	9999	9999	9999	05/08	128	-5	2	-2
01/09	9	0	4	2	03/09	68	9999	9999	9999	05/09	129	-8	8	-2
01/10	10	-2	4	2	03/10	69	9999	9999	9999	05/10	130	-6	-1	-4
01/11	11	-5	-2	-3	03/11	70	9999	9999	9999	05/11	131	-7	-2	-4
01/12	12	-5	-2	-3	03/12	71	9999	9999	9999	05/12	132	-6	-2	-4
01/13	13	-4	-1	-2	03/13	72	9999	9999	9999	05/13	133	-5	7	-1
01/14	14	9999	9999	9999	03/14	73	9999	9999	9999	05/14	134	-5	7	-1
01/15	15	-4	0	-3	03/15	74	9999	9999	9999	05/15	135	-2	9	2
01/16	16	-5	-4	-4	03/16	75	9999	9999	9999	05/16	136	0	11	6
01/17	17	-10	-4	-6	03/17	76	9999	9999	9999	05/17	137	-2	5	1
01/18	18	-8	0	-1	03/18	77	9999	9999	9999	05/18	138	-3	8	2
01/19	19	-3	0	-2	03/19	78	9999	9999	9999	05/19	139	-2	8	3
01/20	20	-4	-3	-3	03/20	79	9999	9999	9999	05/20	140	2	9	6
01/21	21	-6	-4	-5	03/21	80	9999	9999	9999	05/21	141	-1	9	6
01/22	22	-6	-3	-5	03/22	81	9999	9999	9999	05/22	142	-3	8	2
01/23	23	-6	-4	-5	03/23	82	9999	9999	9999	05/23	143	-4	-1	-3
01/24	24	-6	-5	-5	03/24	83	9999	9999	9999	05/24	144	-7	0	-4
01/25	25	-5	-2	-4	03/25	84	9999	9999	9999	05/25	145	-9	7	0
01/26	26	-4	1	-1	03/26	85	9999	9999	9999	05/26	146	-1	6	2
01/27	27	-1	3	2	03/27	86	9999	9999	9999	05/27	147	-2	8	2
01/28	28	1	2	1	03/28	87	9999	9999	9999	05/28	148	-3	6	2
01/29	29	-6	2	-1	03/29	88	9999	9999	9999	05/29	149	-4	5	-1
01/30	30	-12	-2	-6	03/30	89	9999	9999	9999	05/30	150	-5	6	-1
01/31	31	-9	2	-3	03/31	90	9999	9999	9999	05/31	151	-6	9	2
02/01	32	-4	-1	-2	04/01	91	-6	12	2	06/01	152	2	10	6
02/02	33	-3	-1	-1	04/02	92	-4	10	3	06/02	153	-1	4	1
02/03	34	-1	2	0	04/03	93	-1	12	4	06/03	154	-1	5	2
02/04	35	-4	2	-2	04/04	94	-3	6	1	06/04	155	-1	8	4
02/05	36	-7	4	-2	04/05	95	-5	7	-1	06/05	156	2	9	6
02/06	37	-4	1	-2	04/06	96	-4	7	1	06/06	157	-2	8	4
02/07	38	-2	7	2	04/07	97	-2	8	2	06/07	158	-2	4	0
02/08	39	-3	4	0	04/08	98	-4	0	-2	06/08	159	1	6	3
02/09	40	-3	-1	-2	04/09	99	-5	2	-2	06/09	160	1	7	3
02/10	41	-4	-3	-3	04/10	100	9999	9999	9999	06/10	161	1	5	2
02/11	42	-5	-1	-3	04/11	101	-3	12	2	06/11	162	0	9	4
02/12	43	-4	-2	-3	04/12	102	-3	0	-2	06/12	163	-1	10	6
02/13	44	-7	-3	-5	04/13	103	-7	1	-2	06/13	164	3	12	7
02/14	45	9999	9999	9999	04/14	104	-9	3	-3	06/14	165	4	11	8
02/15	46	9999	9999	9999	04/15	105	-7	7	-2	06/15	166	5	13	9
02/16	47	9999	9999	9999	04/16	106	-6	-2	-3	06/16	167	6	12	9
02/17	48	9999	9999	9999	04/17	107	-3	1	-1	06/17	168	6	12	9
02/18	49	9999	9999	9999	04/18	108	-2	1	-1	06/18	169	6	13	11
02/19	50	9999	9999	9999	04/19	109	-4	8	-1	06/19	170	9	13	11
02/20	51	9999	9999	9999	04/20	110	-3	7	1	06/20	171	4	13	9
02/21	52	9999	9999	9999	04/21	111	-3	6	-1	06/21	172	2	4	3
02/22	53	9999	9999	9999	04/22	112	-3	6	0	06/22	173	2	11	5
02/23	54	9999	9999	9999	04/23	113	-4	9	2	06/23	174	3	9	5
02/24	55	9999	9999	9999	04/24	114	-4	12	2	06/24	175	4	11	8
02/25	56	9999	9999	9999	04/25	115	-6	11	1	06/25	176	5	12	9
02/26	57	9999	9999	9999	04/26	116	-8	8	-1	06/26	177	2	14	8
02/27	58	9999	9999	9999	04/27	117	9999	9999	9999	06/27	178	2	9	6
02/28	59	9999	9999	9999	04/28	118	-5	11	1	06/28	179	3	12	7
					04/29	119	-3	11	0	06/29	180	2	11	8
					04/30	120	-6	11	1	06/30	181	2	12	7

TABLE 10.6b: 1967 Daily air temperature in degrees C at the GAGING STATION using a Stevens A35 recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	6	13	11	09/01	244	7	16	13	11/01	305	-2	2	-1
07/02	183	7	13	11	09/02	245	6	9	7	11/02	306	-2	0	-1
07/03	184	7	16	11	09/03	246	6	17	11	11/03	307	-1	3	1
07/04	185	7	12	9	09/04	247	8	17	12	11/04	308	-3	1	-1
07/05	186	3	11	7	09/05	248	9	13	11	11/05	309	0	6	4
07/06	187	2	9	6	09/06	249	4	16	12	11/06	310	4	12	6
07/07	188	1	11	6	09/07	250	11	18	14	11/07	311	3	6	4
07/08	189	2	6	3	09/08	251	12	18	14	11/08	312	0	6	4
07/09	190	1	11	6	09/09	252	9999	9999	9999	11/09	313	-1	1	0
07/10	191	2	11	9	09/10	253	9999	9999	9999	11/10	314	-2	2	-1
07/11	192	8	14	11	09/11	254	9999	9999	9999	11/11	315	-3	1	-1
07/12	193	7	17	12	09/12	255	9999	9999	9999	11/12	316	0	12	6
07/13	194	5	14	9	09/13	256	9999	9999	9999	11/13	317	5	9	7
07/14	195	3	13	8	09/14	257	9999	9999	9999	11/14	318	2	7	4
07/15	196	6	14	10	09/15	258	9999	9999	9999	11/15	319	0	2	1
07/16	197	6	14	9	09/16	259	9999	9999	9999	11/16	320	-1	6	1
07/17	198	4	12	8	09/17	260	9999	9999	9999	11/17	321	2	6	4
07/18	199	4	11	7	09/18	261	9999	9999	9999	11/18	322	-3	2	-2
07/19	200	3	6	4	09/19	262	9999	9999	9999	11/19	323	-3	4	1
07/20	201	3	6	4	09/20	263	9999	9999	9999	11/20	324	-2	6	1
07/21	202	3	11	7	09/21	264	9999	9999	9999	11/21	325	-2	2	-1
07/22	203	4	13	9	09/22	265	9999	9999	9999	11/22	326	-5	-1	-3
07/23	204	7	18	12	09/23	266	9999	9999	9999	11/23	327	-5	-3	-4
07/24	205	6	16	10	09/24	267	9999	9999	9999	11/24	328	-7	-3	-5
07/25	206	6	16	10	09/25	268	9999	9999	9999	11/25	329	-10	-7	-9
07/26	207	5	12	7	09/26	269	9999	9999	9999	11/26	330	-12	-8	-9
07/27	208	4	14	8	09/27	270	9999	9999	9999	11/27	331	-9	-4	-7
07/28	209	6	16	9	09/28	271	9999	9999	9999	11/28	332	-5	-4	-4
07/29	210	4	14	8	09/29	272	9999	9999	9999	11/29	333	-7	-4	-6
07/30	211	4	11	7	09/30	273	9999	9999	9999	11/30	334	-7	-6	-6
07/31	212	5	13	8	10/01	274	-1	3	1	12/01	335	-7	-4	-5
08/01	213	4	16	10	10/02	275	-1	2	1	12/02	336	-6	-4	-4
08/02	214	6	15	11	10/03	276	9999	9999	9999	12/03	337	-6	-4	-5
08/03	215	9	20	14	10/04	277	-1	3	2	12/04	338	-7	-4	-6
08/04	216	7	16	12	10/05	278	0	3	1	12/05	339	-9	-5	-7
08/05	217	7	14	10	10/06	279	0	3	2	12/06	340	-9	-7	-8
08/06	218	6	7	7	10/07	280	2	7	6	12/07	341	-8	-7	-7
08/07	219	6	9	7	10/08	281	4	13	9	12/08	342	-9	-4	-7
08/08	220	6	16	12	10/09	282	3	10	7	12/09	343	-4	-2	-3
08/09	221	14	19	17	10/10	283	4	8	6	12/10	344	-8	-2	-3
08/10	222	12	21	17	10/11	284	-1	5	2	12/11	345	-11	-9	-10
08/11	223	10	19	14	10/12	285	9999	9999	9999	12/12	346	-16	-11	-13
08/12	224	9	20	14	10/13	286	-1	1	0	12/13	347	-15	-9	-12
08/13	225	11	22	15	10/14	287	-1	7	1	12/14	348	-11	-1	-4
08/14	226	11	21	14	10/15	288	0	9	6	12/15	349	-7	-1	-2
08/15	227	12	22	18	10/16	289	2	8	4	12/16	350	-10	-7	-8
08/16	228	14	24	17	10/17	290	3	11	8	12/17	351	-12	-10	-11
08/17	229	12	18	15	10/18	291	-2	10	4	12/18	352	-12	-12	-12
08/18	230	12	22	16	10/19	292	1	4	2	12/19	353	-14	-12	-13
08/19	231	12	19	15	10/20	293	3	11	7	12/20	354	-15	-11	-13
08/20	232	11	20	14	10/21	294	2	5	3	12/21	355	-13	-3	-7
08/21	233	7	14	10	10/22	295	2	3	2	12/22	356	-3	-3	-3
08/22	234	8	18	12	10/23	296	0	2	1	12/23	357	-3	-3	-3
08/23	235	4	11	9	10/24	297	1	6	3	12/24	358	-3	-2	-2
08/24	236	4	14	9	10/25	298	-1	3	2	12/25	359	-2	-2	-2
08/25	237	7	19	14	10/26	299	-1	7	2	12/26	360	-2	1	-1
08/26	238	12	20	16	10/27	300	1	7	4	12/27	361	-3	-1	-2
08/27	239	11	17	13	10/28	301	9999	9999	9999	12/28	362	-6	-1	-4
08/28	240	12	21	17	10/29	302	9999	9999	9999	12/29	363	-4	-2	-3
08/29	241	16	23	19	10/30	303	1	7	6	12/30	364	-6	-2	-4
08/30	242	19	24	21	10/31	304	0	8	4	12/31	365	-11	-8	-9
08/31	243	13	24	19										

TABLE 10.7a: 1967 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	9999	9999	9999	03/01	60	9999	9999	9999	05/01	121	-4	3	-1
01/02	2	9999	9999	9999	03/02	61	9999	9999	9999	05/02	122	-4	7	0
01/03	3	9999	9999	9999	03/03	62	9999	9999	9999	05/03	123	-2	4	0
01/04	4	9999	9999	9999	03/04	63	9999	9999	9999	05/04	124	-2	4	1
01/05	5	9999	9999	9999	03/05	64	9999	9999	9999	05/05	125	0	8	3
01/06	6	9999	9999	9999	03/06	65	9999	9999	9999	05/06	126	0	2	1
01/07	7	9999	9999	9999	03/07	66	9999	9999	9999	05/07	127	0	2	1
01/08	8	9999	9999	9999	03/08	67	9999	9999	9999	05/08	128	-3	1	-1
01/09	9	9999	9999	9999	03/09	68	9999	9999	9999	05/09	129	-5	3	-2
01/10	10	9999	9999	9999	03/10	69	9999	9999	9999	05/10	130	-3	2	-2
01/11	11	9999	9999	9999	03/11	70	9999	9999	9999	05/11	131	-4	-1	-3
01/12	12	9999	9999	9999	03/12	71	9999	9999	9999	05/12	132	-3	0	-2
01/13	13	9999	9999	9999	03/13	72	9999	9999	9999	05/13	133	-3	3	-1
01/14	14	9999	9999	9999	03/14	73	9999	9999	9999	05/14	134	-3	4	1
01/15	15	9999	9999	9999	03/15	74	9999	9999	9999	05/15	135	1	8	4
01/16	16	9999	9999	9999	03/16	75	9999	9999	9999	05/16	136	5	13	8
01/17	17	9999	9999	9999	03/17	76	9999	9999	9999	05/17	137	2	7	3
01/18	18	9999	9999	9999	03/18	77	9999	9999	9999	05/18	138	1	10	5
01/19	19	9999	9999	9999	03/19	78	9999	9999	9999	05/19	139	3	13	8
01/20	20	9999	9999	9999	03/20	79	9999	9999	9999	05/20	140	9	17	11
01/21	21	9999	9999	9999	03/21	80	9999	9999	9999	05/21	141	4	11	9
01/22	22	9999	9999	9999	03/22	81	9999	9999	9999	05/22	142	9999	9999	9999
01/23	23	9999	9999	9999	03/23	82	9999	9999	9999	05/23	143	9999	9999	9999
01/24	24	9999	9999	9999	03/24	83	9999	9999	9999	05/24	144	9999	9999	9999
01/25	25	9999	9999	9999	03/25	84	9999	9999	9999	05/25	145	-5	7	1
01/26	26	9999	9999	9999	03/26	85	9999	9999	9999	05/26	146	9999	9999	9999
01/27	27	9999	9999	9999	03/27	86	9999	9999	9999	05/27	147	9999	9999	9999
01/28	28	9999	9999	9999	03/28	87	9999	9999	9999	05/28	148	9999	9999	9999
01/29	29	9999	9999	9999	03/29	88	9999	9999	9999	05/29	149	9999	9999	9999
01/30	30	9999	9999	9999	03/30	89	9999	9999	9999	05/30	150	9999	9999	9999
01/31	31	9999	9999	9999	03/31	90	9999	9999	9999	05/31	151	9999	9999	9999
02/01	32	9999	9999	9999	04/01	91	9999	9999	9999	06/01	152	9999	9999	9999
02/02	33	9999	9999	9999	04/02	92	9999	9999	9999	06/02	153	9999	9999	9999
02/03	34	9999	9999	9999	04/03	93	9999	9999	9999	06/03	154	9999	9999	9999
02/04	35	9999	9999	9999	04/04	94	9999	9999	9999	06/04	155	9999	9999	9999
02/05	36	9999	9999	9999	04/05	95	9999	9999	9999	06/05	156	9999	9999	9999
02/06	37	9999	9999	9999	04/06	96	9999	9999	9999	06/06	157	3	11	8
02/07	38	9999	9999	9999	04/07	97	9999	9999	9999	06/07	158	2	8	4
02/08	39	9999	9999	9999	04/08	98	9999	9999	9999	06/08	159	1	6	3
02/09	40	9999	9999	9999	04/09	99	9999	9999	9999	06/09	160	1	7	3
02/10	41	9999	9999	9999	04/10	100	9999	9999	9999	06/10	161	1	4	3
02/11	42	9999	9999	9999	04/11	101	9999	9999	9999	06/11	162	1	9	4
02/12	43	9999	9999	9999	04/12	102	9999	9999	9999	06/12	163	3	12	7
02/13	44	9999	9999	9999	04/13	103	9999	9999	9999	06/13	164	6	12	9
02/14	45	9999	9999	9999	04/14	104	9999	9999	9999	06/14	165	8	15	11
02/15	46	9999	9999	9999	04/15	105	9999	9999	9999	06/15	166	9	18	14
02/16	47	9999	9999	9999	04/16	106	9999	9999	9999	06/16	167	10	16	13
02/17	48	9999	9999	9999	04/17	107	9999	9999	9999	06/17	168	10	18	13
02/18	49	9999	9999	9999	04/18	108	9999	9999	9999	06/18	169	10	19	14
02/19	50	9999	9999	9999	04/19	109	9999	9999	9999	06/19	170	13	21	16
02/20	51	9999	9999	9999	04/20	110	9999	9999	9999	06/20	171	7	18	13
02/21	52	9999	9999	9999	04/21	111	9999	9999	9999	06/21	172	4	7	6
02/22	53	9999	9999	9999	04/22	112	9999	9999	9999	06/22	173	3	12	7
02/23	54	9999	9999	9999	04/23	113	9999	9999	9999	06/23	174	5	13	9
02/24	55	9999	9999	9999	04/24	114	9999	9999	9999	06/24	175	8	17	12
02/25	56	9999	9999	9999	04/25	115	9999	9999	9999	06/25	176	11	17	13
02/26	57	9999	9999	9999	04/26	116	9999	9999	9999	06/26	177	5	13	9
02/27	58	9999	9999	9999	04/27	117	9999	9999	9999	06/27	178	4	11	7
02/28	59	9999	9999	9999	04/28	118	9999	9999	9999	06/28	179	4	12	8
					04/29	119	9999	9999	9999	06/29	180	4	12	8
					04/30	120	9999	9999	9999	06/30	181	4	14	10

TABLE 10.7b: 1967 Daily air temperature in degrees C at the
HUT using a Weksler thermograph, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN	DATE	JULIAN DAY	MIN	MAX	MEAN
07/01	182	9	21	15	09/01	244	9999	9999	9999	11/01	305	-5	-1	-4
07/02	183	15	22	18	09/02	245	9999	9999	9999	11/02	306	-6	-3	-4
07/03	184	11	18	14	09/03	246	9999	9999	9999	11/03	307	-6	-1	-2
07/04	185	6	12	10	09/04	247	9999	9999	9999	11/04	308	-6	-3	-4
07/05	186	4	12	7	09/05	248	9999	9999	9999	11/05	309	-3	5	2
07/06	187	3	9	6	09/06	249	9999	9999	9999	11/06	310	3	10	6
07/07	188	2	11	7	09/07	250	9999	9999	9999	11/07	311	2	6	3
07/08	189	2	6	3	09/08	251	9999	9999	9999	11/08	312	-2	6	2
07/09	190	1	9	4	09/09	252	9999	9999	9999	11/09	313	-3	0	-2
07/10	191	3	19	11	09/10	253	9999	9999	9999	11/10	314	-4	1	-2
07/11	192	12	21	16	09/11	254	9999	9999	9999	11/11	315	-4	0	-3
07/12	193	10	20	16	09/12	255	9999	9999	9999	11/12	316	0	8	5
07/13	194	7	14	10	09/13	256	9999	9999	9999	11/13	317	2	7	6
07/14	195	6	16	10	09/14	257	9999	9999	9999	11/14	318	0	6	2
07/15	196	9	17	12	09/15	258	9999	9999	9999	11/15	319	-1	0	-1
07/16	197	9	19	12	09/16	259	9999	9999	9999	11/16	320	-2	7	1
07/17	198	5	11	8	09/17	260	9999	9999	9999	11/17	321	1	7	3
07/18	199	4	11	7	09/18	261	9999	9999	9999	11/18	322	-4	1	-3
07/19	200	4	8	6	09/19	262	9999	9999	9999	11/19	323	-4	5	0
07/20	201	4	8	6	09/20	263	9999	9999	9999	11/20	324	-1	7	2
07/21	202	3	11	9	09/21	264	9999	9999	9999	11/21	325	-2	2	-1
07/22	203	6	18	11	09/22	265	9999	9999	9999	11/22	326	-3	0	-2
07/23	204	11	19	16	09/23	266	9999	9999	9999	11/23	327	-4	-2	-3
07/24	205	9	17	12	09/24	267	9999	9999	9999	11/24	328	-8	-2	-6
07/25	206	8	17	12	09/25	268	9999	9999	9999	11/25	329	-12	-8	-11
07/26	207	8	12	10	09/26	269	9999	9999	9999	11/26	330	-11	-6	-8
07/27	208	6	16	10	09/27	270	9999	9999	9999	11/27	331	-11	-2	-9
07/28	209	8	17	12	09/28	271	9999	9999	9999	11/28	332	-6	-4	-5
07/29	210	6	16	10	09/29	272	9999	9999	9999	11/29	333	-9	-3	-7
07/30	211	7	12	9	09/30	273	9999	9999	9999	11/30	334	-9	-7	-8
07/31	212	7	14	9	10/01	274	-1	2	1	12/01	335	-8	-4	-6
08/01	213	6	17	12	10/02	275	-1	0	-1	12/02	336	-7	-4	-6
08/02	214	9	20	14	10/03	276	-1	0	-1	12/03	337	-8	-4	-6
08/03	215	10	19	14	10/04	277	-1	2	1	12/04	338	-8	-3	-6
08/04	216	8	17	12	10/05	278	-1	2	0	12/05	339	-11	-5	-9
08/05	217	6	13	9	10/06	279	0	3	1	12/06	340	9999	9999	9999
08/06	218	4	8	6	10/07	280	2	7	5	12/07	341	9999	9999	9999
08/07	219	4	8	6	10/08	281	6	13	9	12/08	342	9999	9999	9999
08/08	220	5	19	11	10/09	282	4	11	7	12/09	343	9999	9999	9999
08/09	221	12	21	16	10/10	283	4	9	7	12/10	344	9999	9999	9999
08/10	222	15	21	17	10/11	284	-1	4	2	12/11	345	9999	9999	9999
08/11	223	14	21	17	10/12	285	-2	0	-1	12/12	346	9999	9999	9999
08/12	224	12	21	16	10/13	286	-2	0	-1	12/13	347	-14	-7	-11
08/13	225	14	21	17	10/14	287	-2	4	-1	12/14	348	-7	3	-1
08/14	226	13	22	17	10/15	288	0	8	2	12/15	349	-7	6	2
08/15	227	16	24	19	10/16	289	1	8	3	12/16	350	-11	-7	-9
08/16	228	16	24	19	10/17	290	7	11	9	12/17	351	-13	-11	-12
08/17	229	16	23	18	10/18	291	-4	10	2	12/18	352	-13	-12	-13
08/18	230	14	22	18	10/19	292	-4	4	-2	12/19	353	-17	-13	-16
08/19	231	15	22	18	10/20	293	-1	5	2	12/20	354	-18	-12	-15
08/20	232	9	20	15	10/21	294	-1	3	1	12/21	355	-13	-1	-8
08/21	233	7	12	9	10/22	295	-5	-1	-3	12/22	356	-2	-1	-1
08/22	234	8	17	12	10/23	296	-6	-2	-4	12/23	357	-1	0	-1
08/23	235	3	11	7	10/24	297	-5	2	-2	12/24	358	-1	1	0
08/24	236	3	13	7	10/25	298	-6	-2	-4	12/25	359	0	1	1
08/25	237	7	17	12	10/26	299	-7	2	-2	12/26	360	0	1	1
08/26	238	13	20	15	10/27	300	-3	5	2	12/27	361	-2	1	-1
08/27	239	9999	9999	9999	10/28	301	-5	-3	-4	12/28	362	-4	2	-1
08/28	240	9999	9999	9999	10/29	302	-5	0	-3	12/29	363	-3	2	-1
08/29	241	9999	9999	9999	10/30	303	0	6	3	12/30	364	-4	2	-2
08/30	242	9999	9999	9999	10/31	304	-4	6	1	12/31	365	-8	-6	-7
08/31	243	16	24	18										

TABLE 10.8a: 1967 Daily air Temperature in degrees C at the HUT using a Rauchfuss recorder, January-June.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-11	-6	-9	03/01	60	-9	-4	-5	05/01	121	9999	9999	9999
01/02	2	-18	-8	-15	03/02	61	-11	-4	-8	05/02	122	9999	9999	9999
01/03	3	-18	-11	-16	03/03	62	-11	-8	-9	05/03	123	-6	6	-3
01/04	4	-15	-8	-12	03/04	63	-16	-9	-11	05/04	124	-6	4	-2
01/05	5	-8	-5	-6	03/05	64	-16	-9	-14	05/05	125	-4	9	1
01/06	6	-6	3	-1	03/06	65	-18	-9	-14	05/06	126	-4	-2	-3
01/07	7	-8	0	-3	03/07	66	-18	-6	-14	05/07	127	-4	1	-3
01/08	8	-11	-8	-10	03/08	67	-18	-11	-16	05/08	128	-8	0	-4
01/09	9	-13	-7	-10	03/09	68	-16	-10	-14	05/09	129	-10	8	-4
01/10	10	-12	-6	-9	03/10	69	-14	-9	-11	05/10	130	-9	1	-6
01/11	11	-8	-4	-6	03/11	70	-11	-4	-8	05/11	131	-9	-3	-6
01/12	12	-13	-5	-10	03/12	71	-12	0	-8	05/12	132	-8	-1	-6
01/13	13	-14	-11	-13	03/13	72	9999	9999	9999	05/13	133	-8	7	-3
01/14	14	-18	-10	-14	03/14	73	9999	9999	9999	05/14	134	-8	6	-2
01/15	15	-14	-6	-9	03/15	74	9999	9999	9999	05/15	135	-3	12	3
01/16	16	-11	-6	-9	03/16	75	9999	9999	9999	05/16	136	3	16	8
01/17	17	-14	-10	-12	03/17	76	9999	9999	9999	05/17	137	-2	4	0
01/18	18	-15	-11	-14	03/18	77	9999	9999	9999	05/18	138	-3	13	4
01/19	19	-14	-10	-12	03/19	78	9999	9999	9999	05/19	139	0	16	7
01/20	20	-15	-11	-14	03/20	79	9999	9999	9999	05/20	140	8	18	11
01/21	21	-15	-10	-13	03/21	80	9999	9999	9999	05/21	141	0	13	7
01/22	22	-13	-4	-9	03/22	81	9999	9999	9999	05/22	142	-4	11	3
01/23	23	-6	-3	-4	03/23	82	9999	9999	9999	05/23	143	-7	-1	-4
01/24	24	-6	-4	-5	03/24	83	9999	9999	9999	05/24	144	-9	-3	-8
01/25	25	-13	-3	-6	03/25	84	9999	9999	9999	05/25	145	-10	10	-1
01/26	26	-19	-9	-13	03/26	85	9999	9999	9999	05/26	146	-1	8	2
01/27	27	-16	-6	-11	03/27	86	9999	9999	9999	05/27	147	-1	11	4
01/28	28	-13	-8	-9	03/28	87	9999	9999	9999	05/28	148	-5	10	1
01/29	29	-11	-6	-8	03/29	88	9999	9999	9999	05/29	149	-6	4	-3
01/30	30	-7	-4	-6	03/30	89	9999	9999	9999	05/30	150	-6	6	-3
01/31	31	-13	-4	-9	03/31	90	9999	9999	9999	05/31	151	-3	13	4
02/01	32	-14	-6	-9	04/01	91	9999	9999	9999	06/01	152	6	13	9
02/02	33	-10	-5	-8	04/02	92	9999	9999	9999	06/02	153	-1	8	2
02/03	34	-8	3	-2	04/03	93	9999	9999	9999	06/03	154	-1	9	3
02/04	35	-10	3	-6	04/04	94	9999	9999	9999	06/04	155	1	15	6
02/05	36	-9	-8	-9	04/05	95	9999	9999	9999	06/05	156	4	16	9
02/06	37	-13	-9	-11	04/06	96	9999	9999	9999	06/06	157	0	11	5
02/07	38	-11	-8	-9	04/07	97	9999	9999	9999	06/07	158	-2	10	2
02/08	39	-12	-8	-10	04/08	98	9999	9999	9999	06/08	159	-3	6	1
02/09	40	-16	-11	-14	04/09	99	9999	9999	9999	06/09	160	-3	9	2
02/10	41	-16	-11	-14	04/10	100	9999	9999	9999	06/10	161	-3	3	-1
02/11	42	-14	-11	-13	04/11	101	9999	9999	9999	06/11	162	-3	12	3
02/12	43	-14	-9	-12	04/12	102	9999	9999	9999	06/12	163	-1	14	5
02/13	44	-15	-5	-10	04/13	103	9999	9999	9999	06/13	164	3	15	8
02/14	45	-15	-10	-13	04/14	104	9999	9999	9999	06/14	165	5	18	11
02/15	46	-15	-4	-9	04/15	105	9999	9999	9999	06/15	166	8	21	13
02/16	47	-13	1	-8	04/16	106	9999	9999	9999	06/16	167	9	19	12
02/17	48	-14	-6	-10	04/17	107	9999	9999	9999	06/17	168	9	20	13
02/18	49	-10	0	-7	04/18	108	9999	9999	9999	06/18	169	9	19	13
02/19	50	-8	3	-4	04/19	109	9999	9999	9999	06/19	170	12	22	16
02/20	51	-8	-1	-4	04/20	110	9999	9999	9999	06/20	171	5	22	11
02/21	52	-14	-8	-10	04/21	111	9999	9999	9999	06/21	172	1	6	3
02/22	53	-14	1	-5	04/22	112	9999	9999	9999	06/22	173	1	15	5
02/23	54	-9	1	-1	04/23	113	9999	9999	9999	06/23	174	3	16	7
02/24	55	-13	-5	-9	04/24	114	9999	9999	9999	06/24	175	5	20	11
02/25	56	-14	-6	-11	04/25	115	9999	9999	9999	06/25	176	10	18	13
02/26	57	-18	-4	-13	04/26	116	9999	9999	9999	06/26	177	3	14	8
02/27	58	-16	-8	-13	04/27	117	9999	9999	9999	06/27	178	3	12	6
02/28	59	-13	-4	-6	04/28	118	9999	9999	9999	06/28	179	1	13	7
					04/29	119	9999	9999	9999	06/29	180	1	13	6
					04/30	120	9999	9999	9999	06/30	181	3	18	10

TABLE 10.8b: 1967 Daily air Temperature in degrees C at the
HUT using a Rauchfuss recorder, July-December.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
07/01	182	8	22	14	09/01	244	4	16	11	11/01	305	-10	-3	-8
07/02	183	14	24	18	09/02	245	3	7	4	11/02	306	-10	-6	-8
07/03	184	9	20	14	09/03	246	4	21	13	11/03	307	-10	-4	-6
07/04	185	4	11	8	09/04	247	8	19	13	11/04	308	-11	-6	-9
07/05	186	3	12	6	09/05	248	6	14	11	11/05	309	-6	4	-1
07/06	187	0	9	4	09/06	249	1	12	6	11/06	310	1	9	3
07/07	188	-1	13	5	09/07	250	7	16	11	11/07	311	-1	3	-1
07/08	189	-1	3	0	09/08	251	4	15	10	11/08	312	-5	4	-1
07/09	190	-2	9	3	09/09	252	3	6	4	11/09	313	-7	-4	-5
07/10	191	1	20	11	09/10	253	-3	9	4	11/10	314	-8	-2	-5
07/11	192	10	24	16	09/11	254	-4	0	-3	11/11	315	-9	-4	-7
07/12	193	8	23	15	09/12	255	-4	10	3	11/12	316	-6	7	3
07/13	194	4	17	9	09/13	256	6	19	12	11/13	317	-1	6	4
07/14	195	3	19	10	09/14	257	10	18	14	11/14	318	-4	5	0
07/15	196	8	21	13	09/15	258	13	18	16	11/15	319	-4	-3	-4
07/16	197	7	21	13	09/16	259	9999	9999	9999	11/16	320	-6	4	-2
07/17	198	3	12	7	09/17	260	9999	9999	9999	11/17	321	-3	5	1
07/18	199	1	11	5	09/18	261	5	18	10	11/18	322	-9	-1	-6
07/19	200	1	6	3	09/19	262	8	16	11	11/19	323	-9	3	-3
07/20	201	2	6	3	09/20	263	7	21	14	11/20	324	-5	3	-1
07/21	202	1	12	6	09/21	264	3	19	14	11/21	325	-6	2	-3
07/22	203	8	19	11	09/22	265	-2	9	4	11/22	326	-11	-5	-8
07/23	204	9	21	15	09/23	266	6	19	13	11/23	327	-10	-5	-8
07/24	205	6	19	11	09/24	267	6	18	13	11/24	328	-14	-6	-11
07/25	206	6	20	11	09/25	268	4	15	9	11/25	329	-6	-1	-4
07/26	207	5	13	8	09/26	269	11	18	14	11/26	330	-19	-9	-15
07/27	208	3	18	9	09/27	270	12	21	16	11/27	331	9999	9999	9999
07/28	209	5	19	11	09/28	271	9	19	13	11/28	332	9999	9999	9999
07/29	210	3	17	9	09/29	272	-1	9	4	11/29	333	9999	9999	9999
07/30	211	4	13	8	09/30	273	-3	1	-1	11/30	334	9999	9999	9999
07/31	212	4	14	8	10/01	274	-4	0	-2	12/01	335	9999	9999	9999
08/01	213	4	19	11	10/02	275	-4	-2	-3	12/02	336	9999	9999	9999
08/02	214	8	24	14	10/03	276	-4	-3	-4	12/03	337	9999	9999	9999
08/03	215	9	21	14	10/04	277	-4	0	-2	12/04	338	9999	9999	9999
08/04	216	6	18	11	10/05	278	-4	-1	-3	12/05	339	-16	-8	-13
08/05	217	4	14	8	10/06	279	-4	1	-2	12/06	340	-16	-11	-14
08/06	218	3	6	4	10/07	280	-1	6	3	12/07	341	-14	-12	-13
08/07	219	2	8	4	10/08	281	3	13	8	12/08	342	-14	-8	-11
08/08	220	2	21	13	10/09	282	2	11	5	12/09	343	-8	-3	-5
08/09	221	11	20	16	10/10	283	1	8	5	12/10	344	-13	-4	-6
08/10	222	14	21	18	10/11	284	-4	3	-1	12/11	345	-18	-13	-16
08/11	223	11	23	16	10/12	285	-5	-3	-4	12/12	346	-21	-18	-19
08/12	224	11	24	16	10/13	286	-5	-3	-4	12/13	347	-20	-11	-16
08/13	225	13	24	16	10/14	287	-5	3	-3	12/14	348	-12	0	-6
08/14	226	12	25	17	10/15	288	-1	8	4	12/15	349	-10	4	-2
08/15	227	15	26	21	10/16	289	-3	6	1	12/16	350	-16	-10	-13
08/16	228	16	26	20	10/17	290	5	10	8	12/17	351	-18	-15	-17
08/17	229	15	26	19	10/18	291	-8	9	1	12/18	352	-19	-18	-18
08/18	230	13	26	17	10/19	292	-9	-1	-6	12/19	353	-23	-19	-21
08/19	231	14	25	18	10/20	293	-4	7	1	12/20	354	-24	-15	-21
08/20	232	8	23	15	10/21	294	-7	-1	-4	12/21	355	-19	-4	-13
08/21	233	5	14	8	10/22	295	-8	-3	-6	12/22	356	-6	-4	-5
08/22	234	6	19	11	10/23	296	-9	-6	-8	12/23	357	-5	-4	-4
08/23	235	0	10	6	10/24	297	-9	-1	-6	12/24	358	-5	-3	-4
08/24	236	0	14	7	10/25	298	-11	-4	-8	12/25	359	-4	-2	-3
08/25	237	6	18	12	10/26	299	-12	-6	-9	12/26	360	-4	-1	-3
08/26	238	11	23	15	10/27	300	-6	4	-1	12/27	361	-6	-3	-5
08/27	239	11	20	14	10/28	301	-9	-6	-8	12/28	362	-8	-1	-4
08/28	240	13	19	16	10/29	302	-9	-3	-7	12/29	363	-7	0	-4
08/29	241	15	22	18	10/30	303	-3	4	1	12/30	364	-9	-1	-6
08/30	242	15	23	19	10/31	304	-8	5	-1	12/31	365	-13	-9	-11
08/31	243	15	26	19										

TABLE 10.9: 1967 Daily air temperature in degrees C
at HOCHJOCH using a Rauchfuss recorder.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
05/04	124	-8	9	-1	08/29	241	15	25	19	10/26	299	-12	-1	-8
05/05	125	-5	16	1	08/30	242	16	26	20	10/27	300	-8	3	-3
05/06	126	-4	-1	-3	08/31	243	14	26	19	10/28	301	-9	-6	-8
05/07	127	-6	1	-3						10/29	302	-11	-3	-6
05/08	128	-10	1	-4	09/01	244	3	14	8	10/30	303	-3	4	1
05/09	129	-11	7	-5	09/02	245	2	6	4	10/31	304	-10	4	-4
05/10	130	-9	10	-4	09/03	246	6	18	11					
05/11	131	-9	-3	-7	09/04	247	6	18	13	11/01	305	-11	-5	-9
05/12	132	-8	1	-5	09/05	248	4	12	8	11/02	306	-11	-4	-8
05/13	133	-9	4	-4	09/06	249	-1	9	5	11/03	307	-8	-2	-5
05/14	134	-6	-1	-3	09/07	250	5	14	10	11/04	308	-9	4	-3
05/15	135	-3	14	3	09/08	251	1	13	8	11/05	309	2	6	4
05/16	136	0	10	5	09/09	252	0	5	3	11/06	310	-1	8	3
05/17	137	-4	0	-2	09/10	253	-4	6	1	11/07	311	-1	1	-1
05/18	138	-1	9	3	09/11	254	-5	-1	-3	11/08	312	-6	3	-2
05/19	139	0	21	7	09/12	255	-6	6	1	11/09	313	-8	-4	-6
05/20	140	5	14	9	09/13	256	6	16	13	11/10	314	-9	-3	-6
05/21	141	-3	9	4	09/14	257	11	19	14	11/11	315	-10	-3	-7
05/22	142	-7	8	1	09/15	258	11	19	14	11/12	316	-1	4	1
05/23	143	-8	-3	-6	09/16	259	13	23	16	11/13	317	3	6	4
05/24	144	-11	-3	-8	09/17	260	5	19	11	11/14	318	-4	3	-2
05/25	145	-11	5	-2	09/18	261	8	20	13	11/15	319	-5	-4	-4
05/26	146	-4	8	0	09/19	262	8	15	10	11/16	320	-7	-1	-3
05/27	147	-1	6	2	09/20	263	8	21	15	11/17	321	-3	6	1
05/28	148	-7	4	-1	09/21	264	-1	18	10	11/18	322	-10	-5	-8
05/29	149	-8	3	-4	09/22	265	-4	9	5	11/19	323	-11	2	-4
05/30	150	-7	6	-2	09/23	266	8	20	14	11/20	324	-7	3	-3
05/31	151	-4	9	3	09/24	267	3	18	11	11/21	325	-7	1	-4
					09/25	268	3	14	9	11/22	326	-10	-4	-8
06/01	152	3	10	7	09/26	269	11	20	15	11/23	327	-11	-6	-9
06/02	153	-3	6	1	09/27	270	10	21	15	11/24	328	-14	-6	-11
06/03	154	-1	6	2	09/28	271	7	18	11	11/25	329	-19	-14	-16
06/04	155	1	13	6	09/29	272	-3	8	1	11/26	330	-19	-8	-14
06/05	156	3	17	8	09/30	273	-3	-1	-2	11/27	331	-11	-7	-9
06/06	157	-1	10	4						11/28	332	-10	-9	-9
06/07	158	-3	12	3	10/01	274	-4	-1	-3	11/29	333	-14	-9	-11
06/08	159	-3	9	1	10/02	275	-6	-4	-4	11/30	334	-14	-10	-12
06/09	160	-1	13	4	10/03	276	-5	-3	-4					
06/10	161	-4	1	-1	10/04	277	-6	-1	-4	12/01	335	-13	-9	-11
06/11	162	-4	6	1	10/05	278	-5	-1	-3	12/02	336	-11	-9	-10
					10/06	279	-4	-1	-3	12/03	337	-13	-9	-11
07/13	194	1	14	8	10/07	280	-1	6	3	12/04	338	-14	-9	-12
07/14	195	1	14	9	10/08	281	1	13	6	12/05	339	-14	-9	-11
07/15	196	6	18	12	10/09	282	1	10	5	12/06	340	-16	-13	-15
07/16	197	4	18	11	10/10	283	0	6	3	12/07	341	-14	-13	-14
07/17	198	1	10	4	10/11	284	-5	1	-3	12/08	342	-15	-13	-13
07/18	199	1	10	3	10/12	285	-6	-3	-4	12/09	343	-13	-5	-9
07/19	200	0	5	3	10/13	286	-6	-3	-4	12/10	344	-5	-4	-4
07/20	201	0	4	2	10/14	287	9999	9999	9999	12/11	345	-16	-4	-9
07/21	202	-1	8	4	10/15	288	-5	4	0	12/12	346	-21	-15	-18
					10/16	289	-3	5	1	12/13	347	-21	-13	-19
08/21	233	5	9	6	10/17	290	3	10	7	12/14	348	-21	-8	-14
08/22	234	5	16	10	10/18	291	-9	5	3	12/15	349	-9	-1	-4
08/23	235	-1	8	3	10/19	292	-9	-2	-6	12/16	350	-14	4	-5
08/24	236	-1	11	6	10/20	293	-3	2	-1	12/17	351	-16	-13	-14
08/25	237	9	19	13	10/21	294	-8	-3	-5	12/18	352	-19	-15	-18
08/26	238	10	21	15	10/22	295	-8	-3	-6	12/19	353	-20	-18	-19
08/27	239	9	18	13	10/23	296	-10	-6	-8	12/20	354	-23	-19	-21
08/28	240	13	22	17	10/24	297	-10	-4	-6	12/21	355	-23	-15	-19
					10/25	298	-11	-4	-8					

TABLE 10.10: 1967 Daily air temperature in degrees C at
SENTINEL PEAK using a Raichfuss recorder.

JULIAN TEMPERATURE					JULIAN TEMPERATURE					JULIAN TEMPERATURE				
DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN	DATE	DAY	MIN	MAX	MEAN
01/01	1	-14	-10	-13	07/14	195	0	9	5	08/22	234	3	15	8
01/02	2	-16	-11	-14	07/15	196	2	9	7	08/23	235	-4	4	0
01/03	3	-13	-11	-12	07/16	197	5	16	9	08/24	236	-3	8	3
					07/17	198	1	15	8	08/25	237	6	17	11
06/07	158	0	11	6	07/18	199	-1	7	2	08/26	238	8	18	12
06/08	159	0	10	4	07/19	200	-2	9	1	08/27	239	8	16	11
06/09	160	-3	9	1	07/20	201	9999	9999	9999	08/28	240	9	20	14
06/10	161	-6	-1	-4	07/21	202	-1	3	0	08/29	241	12	21	16
06/11	162	-6	4	-2	07/22	203	1	5	3	08/30	242	13	21	16
06/12	163	-3	9	2	07/23	204	5	15	9	08/31	243	11	23	17
06/13	164	0	10	4	07/24	205	5	10	8					
06/14	165	4	11	8	07/25	206	4	16	9	09/01	244	1	13	6
06/15	166	8	14	10	07/26	207	3	16	9	09/02	245	-1	7	3
06/16	167	6	16	9	07/27	208	5	16	10	09/03	246	5	15	9
06/17	168	8	14	9	07/28	209	3	13	8	09/04	247	5	15	10
06/18	169	6	20	11	07/29	210	1	11	6	09/05	248	-1	9	5
06/19	170	9	22	14	07/30	211	1	9	4					
06/20	171	6	16	9	07/31	212	1	8	4	09/16	259	9	19	13
06/21	172	0	6	3						09/17	260	3	16	9
06/22	173	1	10	4	08/01	213	4	13	9	09/18	261	6	13	9
06/23	174	2	12	6	08/02	214	8	18	13	09/19	262	5	9	6
06/24	175	4	16	9	08/03	215	5	18	12	09/20	263	8	19	13
06/25	176	6	14	10	08/04	216	3	11	6	09/21	264	-5	14	8
06/26	177	-1	8	3	08/05	217	3	15	7	09/22	265	-8	8	1
06/27	178	-1	3	1	08/06	218	-1	4	1	09/23	266	5	17	12
06/28	179	-1	6	3	08/07	219	-1	8	3	09/24	267	1	14	8
06/29	180	-3	6	3	08/08	220	8	18	12	09/25	268	0	11	6
06/30	181	4	9	7	08/09	221	9	20	14	09/26	269	9	14	12
					08/10	222	10	18	14	09/27	270	8	18	13
07/01	182	9	19	14	08/11	223	9	18	13	09/28	271	4	14	9
07/02	183	11	18	14	08/12	224	11	19	15	09/29	272	-4	4	-1
07/03	184	4	14	9	08/13	225	11	20	15	09/30	273	-7	-3	-5
07/04	185	-1	6	3	08/14	226	13	21	16					
07/05	186	-2	8	2	08/15	227	14	23	18	10/01	274	-8	-5	-6
07/06	187	-4	2	-1	08/16	228	14	23	18	10/02	275	-8	-4	-6
					08/17	229	15	23	18	10/03	276	-8	-3	-6
07/11	192	4	16	10	08/18	230	11	18	14	10/04	277	-8	-3	-5
07/12	193	8	18	13	08/19	231	12	19	15	10/05	278	-6	-1	-4
07/13	194	5	19	12	08/20	232	3	16	9	10/06	279	-1	3	1
					08/21	233	3	8	5					

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