

Evaluation of Snowmelt for Implementation into the Minnesota Feedlot
Annualized Runoff Model

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Abstract

The Minnesota Feedlot Annualized Runoff Model (MinnFARM) was designed by University of Minnesota, the University of Minnesota Extension Office and the Minnesota Pollution Control Agency (MPCA) to evaluate pollution potential to waters of the state created by surface runoff leaving an animal feedlot. State and Federal Agencies use MinnFarm results to determine compliance and rank feedlots on a standardized scale. The goal of this study is to improve the snowmelt portion of the MinnFARM model utilizing obtainable data to account for regional variations that exist throughout the Minnesota. Refinement of the snowmelt portion of the MinnFARM model is required to increase the accuracy of the seasonal aspect of the potential nutrient load leaving a livestock open lot.

Observed daily snowmelt depths were computed from the daily difference in snow-water-equivalent data provided by the National Weather Service for Marshall, St. Cloud and Rushford, MN. Corresponding climate data sets were obtained for these three sites. The reliability of the observed snowmelt depths was evaluated by examining the consistency in observed depths for large events measured at Marshall. The accuracy of the Degree-Day method, Restricted-Degree-Day method, Statistical Energy-Balance Approach and Process Based Energy-Balance Approach were compared in this study. The Restricted-Degree-Day method had the strongest correlation when compared the observed snowmelt data set.

Table of Contents

LIST OF EQUATIONS	v
LIST OF FIGURES	vi
LIST OF TABLES	vii
INTRODUCTION	1
LITERATURE REVIEW	3
<i>Introduction</i>	3
<i>Snowmelt Processes</i>	3
<i>Prediction Methods of Snowmelt</i>	7
<i>Modeling Animal Feedlots</i>	9
<i>Professional Observation</i>	11
RESEARCH METHODOLOGY	12
<i>Introduction</i>	12
<i>Observed Data</i>	12
<i>Estimation of Net Radiation</i>	14
<i>Assessment of SWE Data Sets</i>	19
<i>Description of Snowmelt Models</i>	23
<i>Introduction</i>	23
<i>Degree-Day Method</i>	24
<i>Restricted Degree-Day Radiation Balance Method</i>	25
<i>Surface Energy Balance Methods</i>	26
<i>Statistical Methods</i>	30
<i>Summary</i>	31

RESULTS AND DISCUSSION	33
<i>Introduction</i>	33
<i>Degree Day Method</i>	34
<i>Restricted Degree Day Method</i>	38
<i>Energy Balance Methods</i>	41
<i>Statistical Approach</i>	41
<i>Process Based Approach</i>	46
<i>Summary</i>	47
SUMMARY AND CONCLUSION	49
REFERENCES	52
APPENDIX A	54
APPENDIX B	60
APPENDIX C	153
APPENDIX D	165
APPENDIX E	198
APPENDIX F	210
APPENDIX G	211

List of Equations

3.1 Degree Day Method	24
3.2 Melt Rate	25
3.3 Degree Day Radiation Balance Method	26
3.4 Surface Energy Balance Method	27
3.5 Conversion Factor for Energy Flux Density	27
3.6 Sensible Heat Flux	27
3.7 Stability Correction for Water Vapor R_i Values of < 0	28
3.8 Stability Correction for Water Vapor R_i Values of > 0	28
3.9 Bulk Richardson Factor	28
3.10 Latent heat flux	28
3.11 stability correction for water vapor	28
3.12 Specific Humidity	29
3.13 saturated Vapor Pressure	29
3.14 Statistical Model	29
3.14 Statistical Model	30
3.15 Mean Error	31
3.16 Normal Mean Error	31
3.17 Normal Mean Squared Error	31
4.1 Restricted Degree Day Radiation Balance Method	39

List of Figures

Figure 2.1 The impact of temperature difference and super saturation on the shape of crystals	4
Figure 2.2 Schematic of the Energy Balance Approach	8
Figure 3.1 Data collection location map	13
Figure 3.2 Correlation between St. Cloud MN radiation values and Minneapolis Radiation Values	16
Figure 3.3 Regression relationship between Rochester MN radiation values and Minneapolis Radiation MN Values	17
Figure 3.4 Regression relationship between Sioux Falls MN radiation values and Minneapolis MN Radiation Values	18
Figure 3.5 Regression relationship between Observed Snowmelt and Daily Average Temperature for all positive melt occurrences for Marshall MN	20
Figure 3.6 Regression relationship between Observed Snowmelt and Daily Average Temperature for all positive melt for 37 positive melt occurrences >10m for Marshall MN	21
Figure 3.7 Regression relationship between St. Cloud MN Observed Snowmelt and Marshall MN Observed Snowmelt	22
Figure 3.8 Regression relationship between Rushford MN Observed Snowmelt and Marshall MN Observed	23
Figure 4.1 Regression relationship between Marshall MN Process Based Predicted Melt and Observed Snowmelt compared to Temperature	35
Figure 4.2 Regression relationship between St. Cloud MN Predicted Melt and Observed Snowmelt compared to Temperature	36
Figure 4.3 Regression relationship between Rushford MN Predicted Melt and Observed Snowmelt Compared to Temperature	37
Figure 4.4 Regression relationship between Marshall MN Observed Snowmelt and Net Radiation	39
Figure 4.5 Regression relationship between Marshall MN Predicted Degree Day Melt and Predicted Restricted Degree Day Melt Compared Observed Snowmelt	40
Figure 4.7 Regression relationship between Marshall MN Observed Snowmelt and Wind Speed*Temperature	42
Figure 4.8 Regression relationship between Marshall MN Observed Snowmelt and Wind Speed*Humidity	43
Figure 4.10 Graphical Summary of Statistical Method	45
Figure 4.11 Graphical Summary of the Bet Fit Methods	47

List of Tables

Table 3.1	Statistical Models Using Energy Balance Terms	30
Table 4.1	Summary of Results for Statistical Approach	44

CHAPTER ONE

INTRODUCTION

The impact of runoff leaving animal feedlots has long been a concern of the academic community, regulatory agencies and the general public. To address these concerns the University of Minnesota, the University of Minnesota Extension Office and the Minnesota Pollution Control Agency (MPCA) developed the Minnesota Feedlot Annualized Runoff Model (MinnFARM). MinnFARM is a model designed to determine feedlot pollution potential related to nutrient runoff. The model evaluates each farm's open lots based on site-specific data gathered by the state and county. The results of this model are used to determine pollution potential, and rank feedlots on a standardized scale.

The snowmelt portion of the MinnFARM model is an important process in Minnesota. Spring thaw has the potential to transport nutrient from areas that house and contain livestock, referred to by the state as "open lots", towards receiving waters. MinnFARM uses a simplistic approach for representing this process. The model's snowmelt algorithm has had limited testing. The goal of this study is to evaluate alternative feedlot modeling approaches for snowmelt processes. Concepts used to evaluate snowmelt in this paper include temperature, amount of snow pack on the open lot, snow water equivalent (SWE), and radiation. Consideration of these factors will improve the accuracy of simulation models.

The specific objectives of the thesis are:

- (1) Review and select possible methods for predicting snowmelt events from animal feedlots,
- (2) Identify and organize observed snowmelt data sets for Minnesota conditions,
- (3) Evaluate the accuracy of snowmelt methods, and
- (4) Recommend procedures for the predicting snowmelt for feedlots in Minnesota.

CHAPTER TWO

LITERATURE REVIEW

Introduction

This chapter will summarize the snowmelt process and the effect snowmelt has on the total potential nutrients leaving an animal feedlot. This information is useful in selecting methods of snowmelt prediction to improve the current analysis used in the MinnFARM model. MinnFARM is currently being used by the Minnesota Pollution Control Agency (MPCA) and Natural Resources Conservation Service (NRCS) in their assessment of potential pollution loading from animal feedlots.

The literature review first considers the processes of snowmelt. Methods for predicting snowmelt are then discussed. These methods are often used in watershed models and are not limited to feedlots. Previous research related to animal feedlots is presented and placed within the context of this project. The Chapter 3 will discuss the details of the methodology and data sets used in this study.

Snowmelt Processes

An understanding of snow formation and snow pack properties is needed to describe snowmelt processes. Snow formation characteristics can be described in many ways from individual crystals to porosity and grain size.

Crystal formation of snow in a controlled laboratory setting results in the symmetrical formation of solid water transformed from liquid within a cloud. A number of factors can alter these structures in naturally occurring snow including chemical differences in the liquid water that forms the snow and humidity. The impact of temperature differences and super saturation on the shape of the crystals can be found in Figure 2.1.

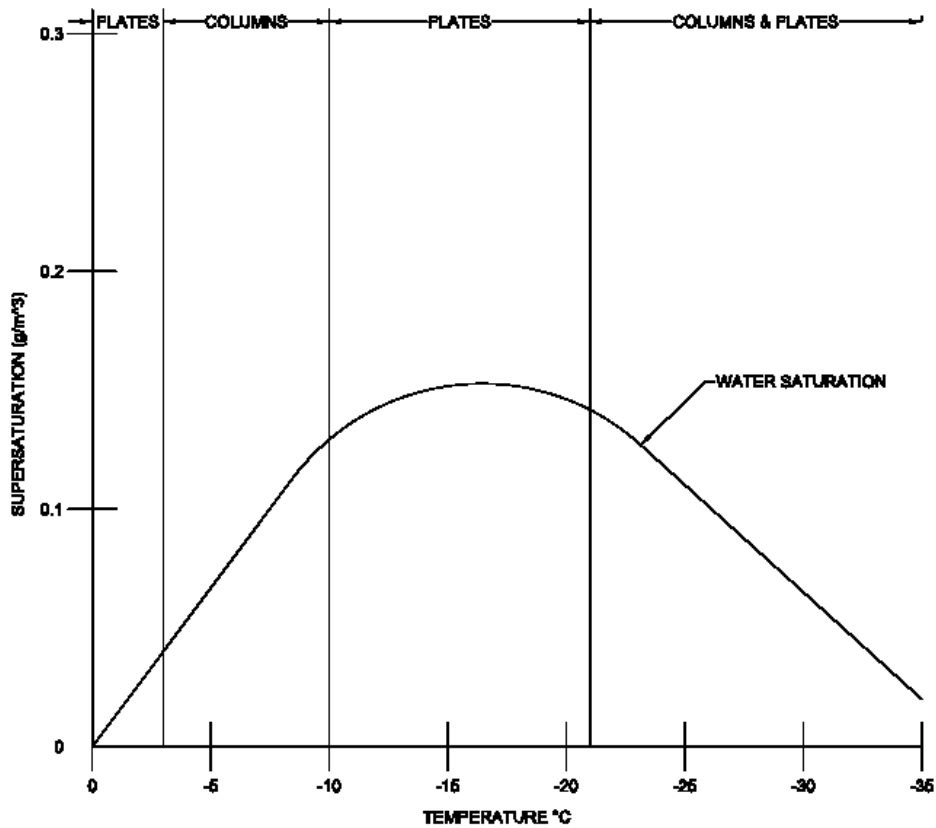


Figure 2.1 The impact of temperature difference and super saturation on the shape of crystals.

Studies based on porosity describe snow in terms of volumetric porosity, which assigns a porosity value between zero and one. This value is based on the volume of percent voids within the medium. It is computed as one minus the ice content of the Representative Elementary Volume (REV). Fresh snow can have a large porosity (0.9), and metamorphic snow usually has a lower porosity of (0.5) (Dannen, 2004). REV changes can occur through compaction and/or the freezing that occurs during liquid water and water vapor transport.

Grain size is also used to characterize snow. A laboratory generated snow sample can be considered homogeneous and, similar to soil classification, can be put through a series of sieves to determine the mass retained by each sieve. Grain size is used to determine pore size within the snow pack. In natural snow packs grain size can range from fifty microns to a few millimeters in size (Dannan, 2004)

The snowmelt process converts ice content into water within a snowpack. Rates differ widely due to variations in causative factors. These divergences are not as strikingly apparent when considering drainage from the snow pack, however, since the pack itself tends to filter out these non-uniformities so that the drainage exhibits a more consistent rate (*Viessman and Lewis, 1996*).

The seasonal occurrence of snowmelt is dependent on the net heat exchange between a snow pack and its environment. Measurements related to the evaluation of snowmelt

“M” include the depth of melt water leaving the snow pack (mm). Observed melt depth can also be determined from changes in the Snow Water Equivalent (SWE) depth (mm). SWE as defined as the depth of water that would theoretically result if you melted the entire snow pack instantaneously. Measurements required to evaluate heat exchange include daily maximum and minimum temperatures as well as maximum and minimum radiation values. In addition to radiation, temperature dependent conduction and convection processes, snowmelt is also dependent on the condensation of water vapor and rainfall on the snowpack. Rainfall typically ranks as the fourth most important factor while conduction is usually a negligible cause of snow melt (Viessman and Lewis, 1996). In this study, the observed snowmelt was obtained from reported SWE of the National Oceanic Atmospheric Administration in Chanhassen MN and climate information from the National Weather Service and the University of Minnesota (U of M) climatic data center. Details of these data sets are given in Chapter 3.

For this study, data for daily maximum and minimum temperatures values T (F converted to C) were obtained from the National Weather Service. Daily Solar radiation (MJ/m^2), wind speed (mph), wind direction (degrees from north) and Relative Humidity (percentage) data was obtained through the University of Minnesota (U of M) climate center. Observed melt depth values in the form of Snow Water Equivalent SWE (mm) are from the National Oceanic Atmospheric Administration in Chanhassen MN. The predicted melt depth (mm) was calculated using the four methods.

Prediction Methods of Snowmelt

The models developed and commonly used for addressing feedlot runoff from snowmelt typically use variations of the degree-day method. The Simple Runoff Model (SRM) is based on the degree-day method. In general the degree-day method involves computing the daily snowmelt depth by multiplying the number of degree-days by a degree-day factor (Linsley and Franzini, 1976). More complex models include radiation and both statistical and process based energy balance analysis. Kustas and Rango [1994] expanded the SRM model to incorporate radiation to produce a method called the Restricted Day Method. This model is not as widely used because of the practicality of obtaining proper radiation data. More rigorous models of snowmelt use an energy balance framework. A schematic of the Energy Balance Equation is shown in Figure 2.2. The figure depicts T_a and T_g as the temperature of the air and ground respectively.

Sensible Heat

Figure 2.2 Schematic of the Energy Balance Approach, used with permission by the author Dr. Bruce Wilson, U of M

Since these are process-based approaches, the energy balance can be applied using relatively small time intervals (hourly) or using daily time steps. Average values for daily time steps need to be determined. Surface-energy-balance methods compute snowmelt by balancing radiation, conduction and convective heat flow with the phase changes of solid water to liquid or gaseous phases (UC Santa Barbara Geography, 2011).

The goal of this paper is to investigate snowmelt models to improve the snowmelt portion of the total potential runoff leaving an open lot. Time steps smaller than daily, are likely unrealistic to reach our goal. The locations for farms being analyzed are often remote, so the use of regional data is required for the agency to be able to assign data to individual sites. The cost of obtaining individual data for each site is too prohibitive. Simplified models such as the Degree Day model have been cited as having 50% to 70% accuracy. In this study the Degree Day method is the most simplistic with a Restricted Day, and Energy Balance methods also being discussed. Details of these models are given in Chapter 3.

Modeling Animal Feedlots

An Animal Feedlot is defined in Minnesota State rule, 7020.0300 as “... a lot or building or combination of lots and buildings intended for the confined feeding, breeding, raising, or holding of animals and specifically designed as a confinement area in which manure may accumulate, or where the concentration of animals is such that a vegetative cover cannot be maintained within the enclosure. For purposes of these parts, open lots used for the feeding and rearing of poultry (poultry ranges) shall be considered to be animal feedlots.” The interaction between manure accumulation and animal concentration, applied to open lot areas increases the amount of potential runoff that occurs based on the lack of infiltration on frozen ground, poor filtration through dormant vegetation, and increased volume of nutrient. Nutrient can accumulate on a site in two ways, by increasing animal density during snow covered conditions, or a decrease in the frequency of lot cleaning.

The Feedlot Evaluation Model (FLEval) was developed in 1982 by the USDA Agricultural Research Service (ARS), to evaluate and prioritize pollution potential from a feedlot facility based on the 25-yr 24-hr storm event (ARM-NC-April-1982). The model has been used extensively in Minnesota to rate and document the pollution potential of feedlots. It was developed to allow analyses to be done by government agencies who, then and now, have limited resources. The authors performed extensive

literary searches and field research for gathering data to develop a scientifically based model.

Given the increased interest in the annual loads as part of the assessments required of the impaired waters program, the University of Minnesota revised and expanded the FleVAL modeling to estimate the annual loading of nutrients and fecal coliforms from feedlots. The revised model is called the The Minnesota Feedlot Annualized Runoff Model (MinnFARM) (Wilson et al., 2009). Based upon site specific data, annualized loads are computed for phosphorus (P), chemical oxygen demand (COD); biological oxygen demand (BOD5); total Kjeldahl nitrogen (TKN); and fecal-coliform bacteria. MinnFARM also estimates seasonal loadings for spring (April and May), summer (June, July, and August), fall (September and October), and winter (November, December, January, February, and March). These seasonal loadings are combined to estimate annual loading.

MinnFARM also considers possible load reduction using a Vegetative Treatment Area (VTA). Reductions within VTA are computed separately for buffer infiltration and filtration. Infiltration is based on soil cover and hydrologic group, whereas filtration is based on travel time in the buffer. Other BMPs such as distance to surface waters, rerouting of 'runon' water and modifications to the size of feedlot can be assessed by the model. A weakness in the MinnFARM approach is its method for computing the loading from snowmelt events.

Professional Observation

For the past 6 years of my career I have applied MinnFARM as an assessment tool when working at the county and state level. The model has assisted me in compliance determination of feedlots throughout the state of Minnesota. The unique advantage of MinnFARM is the way the discussion with the farmer allows them to be a part of their compliance determination.

MinnFARM is used by the MPCA and NRCS in Minnesota as a tool to determine open lot runoff compliance for a farm. The objective of this study is to improve this portion of the model through utilizing observed and obtainable data accounting for regional variations that exist throughout the state.

CHAPTER THREE

RESEARCH METHODOLOGY

Introduction

This chapter will discuss the methods used in the development and analysis of snowmelt algorithms to be considered for the MinnFARM model. The first section of the chapter discusses the observed data used for model evaluation. The remaining sections are used to describe the snowmelt algorithms. The snowmelt algorithms evaluated in this study included the degree-day method, the restricted degree-day method, and several methods using a surface energy balance.

Observed Data

Observed Snowmelt and Climate Data Sources

Daily observed snowmelt values were derived from the daily Snow Water Equivalent (SWE) provided by the National Oceanic and Atmospheric Administration's (NOAA) Chanhassen station. The data set was obtained from David Schmidt (personal communication 2010) and was obtained for three sites including, Marshall, Rushford and St. Cloud, Minnesota for the dates of January 1, 1991 through April 30, 2002.

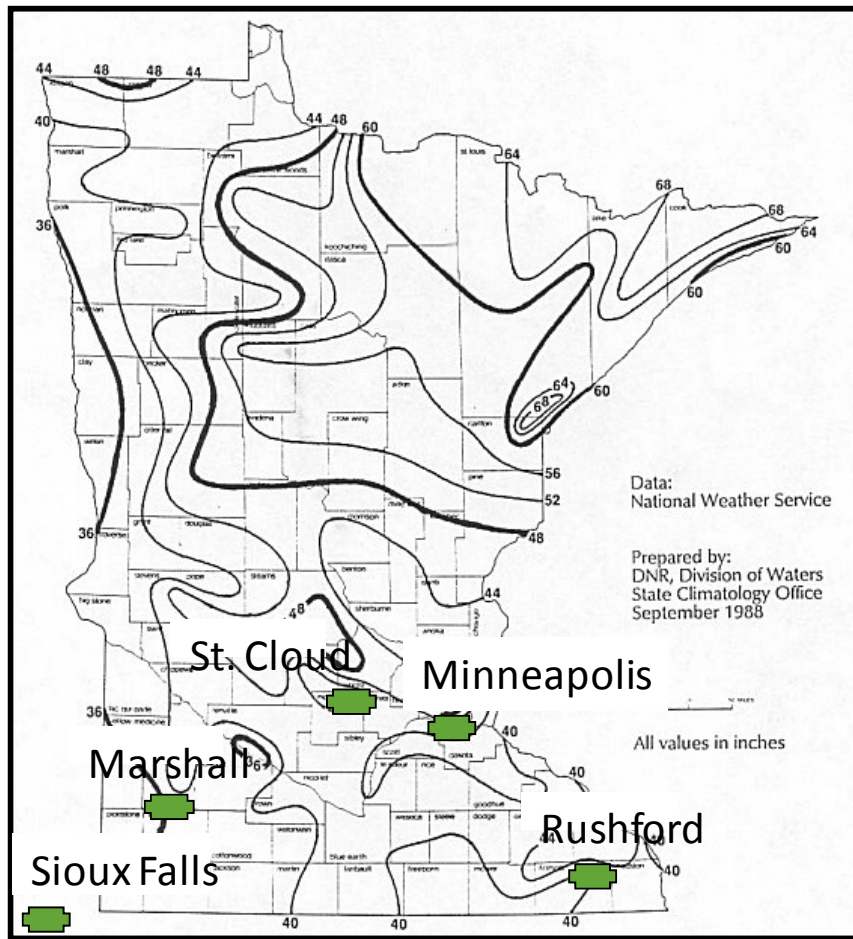


Figure 3.1 Location map of data collection sites for observed daily melt values SWE and radiation data collection location for predicted snowmelt calculations

Observed daily snowmelt values were computed by evaluating the difference between two consecutive SWEs. This difference was assigned as the snowmelt value in (mm) to the second occurrence date.

Predicted snowmelts were compared to these observed data values. Approximate distances are 110 miles between the St. Cloud and Marshall sites, 170 miles between the St. Cloud and Rushford sites and 205 miles between the Marshall and Rushford sites.

Climate data was obtained for the sites and days corresponding to the observed snowmelt values. Daily maximum and minimum temperatures values T used in this study were obtained from the National Weather Service (National Weather Service 2010) in degrees Celsius. Relative humidity (percent), wind direction (degrees from north) and solar radiation data were obtained through the University of Minnesota (U of M) climate center (2010). The observed snowmelt data and climate data used in this study can be found in Appendices A-E.

Estimation of Net Radiation

As discussed in Chapter 2, radiation is an important component of the energy balance. The radiation data available to predict snowmelt depths was limited to the Twin Cities. The observed radiation data of the WINDS model was used to assess the validity of using Twin Cities data to predict snowmelt at our three snowmelt sites. Unfortunately, the WINDS radiation data set doesn't correspond to the dates of the observed snowmelt. In addition, radiation data is only available at the Minneapolis/St. Paul Airport (MSP), St. Cloud, Rochester, and Sioux Falls, South Dakota. Rochester was selected to estimate the radiation at Rushford (approximately 40 miles between them); and Sioux Falls was selected to estimate the radiation at Marshall (approximately 75 miles between them). Although imperfect, comparisons of the WINDS radiation data still provide useful information into the validity of using the Twin Cities data for the prediction of snowmelt at the three sites.

Comparisons of the radiation data between St. Cloud, Rochester and Sioux Falls and the MSP airport are shown in Figures 3.1, 3.2, and 3.3, respectively. A regression analysis was also done to provide statistics for assessing the similarity among radiation data and to provide a possible relationship to convert the MSP data to the snowmelt sites. As shown in the figures, radiation data at all sites are strongly related to the radiation at MSP. There are, however, considerable variability around the regression line for all three sites. As expected, the similarity of radiation data between the sites decreased with increasing distance from MSP. For example, the coefficients of determination were 0.91, 0.76, and 0.75 for St. Cloud, Rochester, and Sioux Falls, respectively. For Sioux Falls, a regression analysis was also performed using a zero intercept. As shown by Figure 3.3, the regression line for the zero intercept is a reasonable approximation to the non-zero intercept line. In addition, the slope of the regression line is nearly one. This suggests that MSP radiation data set by itself is nearly as useful in representing Sioux Falls' radiation as that obtained using adjustments based on the regression equations.

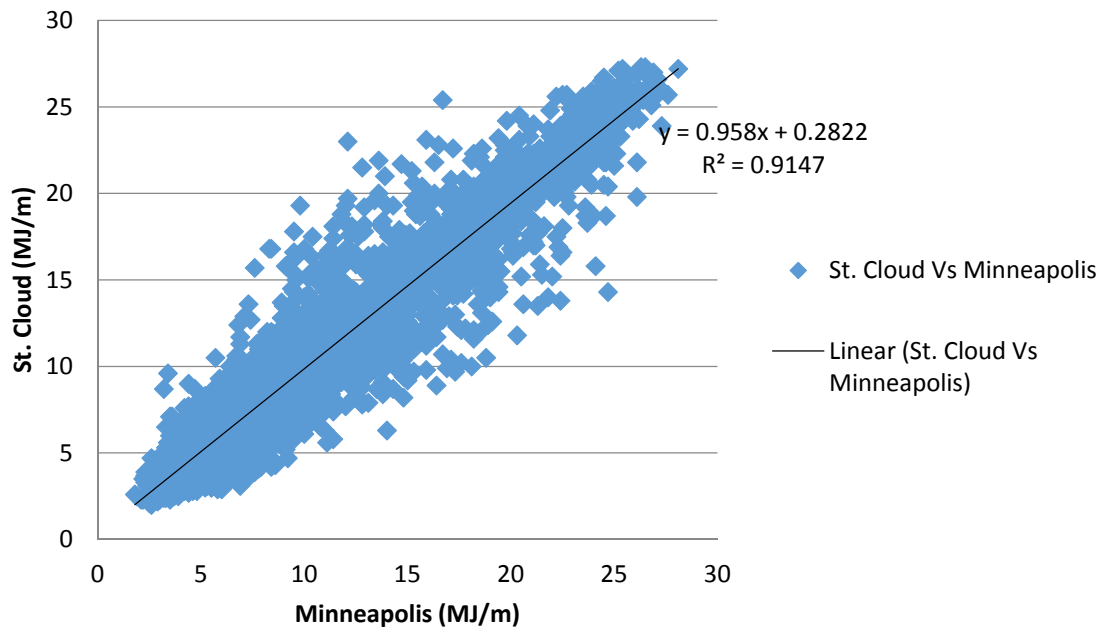


Figure 3.2 Correlation between St. Cloud MN radiation values and Minneapolis

Radiation Values

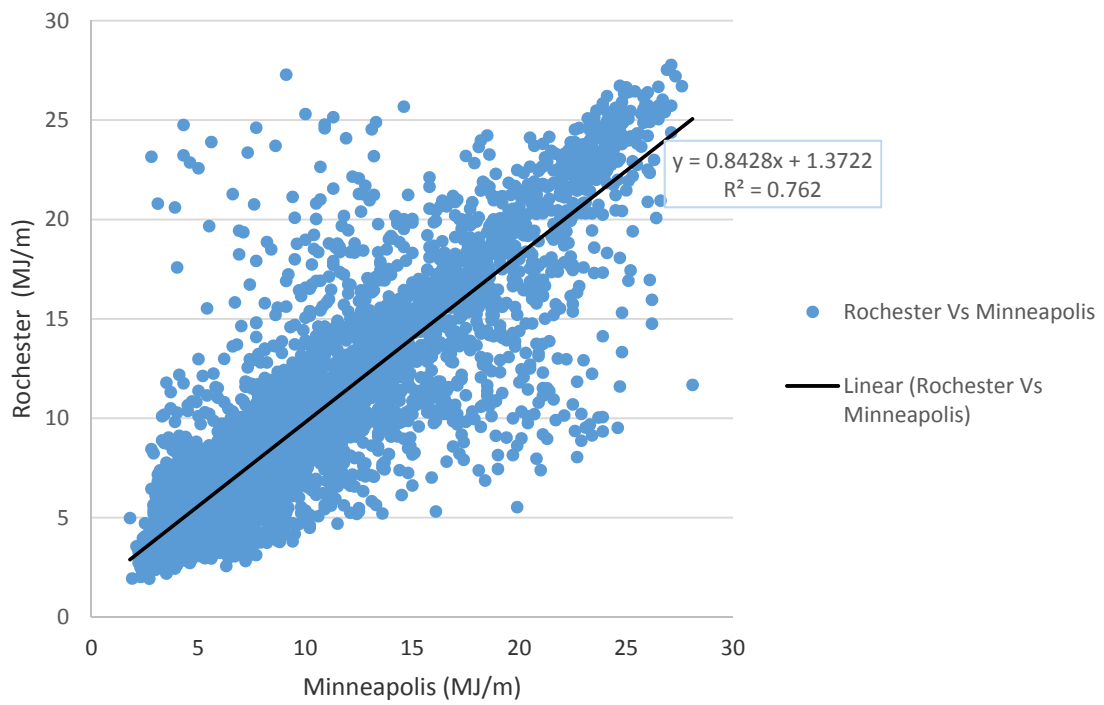


Figure 3.3 Regression relationship between Rochester MN radiation values and Minneapolis Radiation MN Values

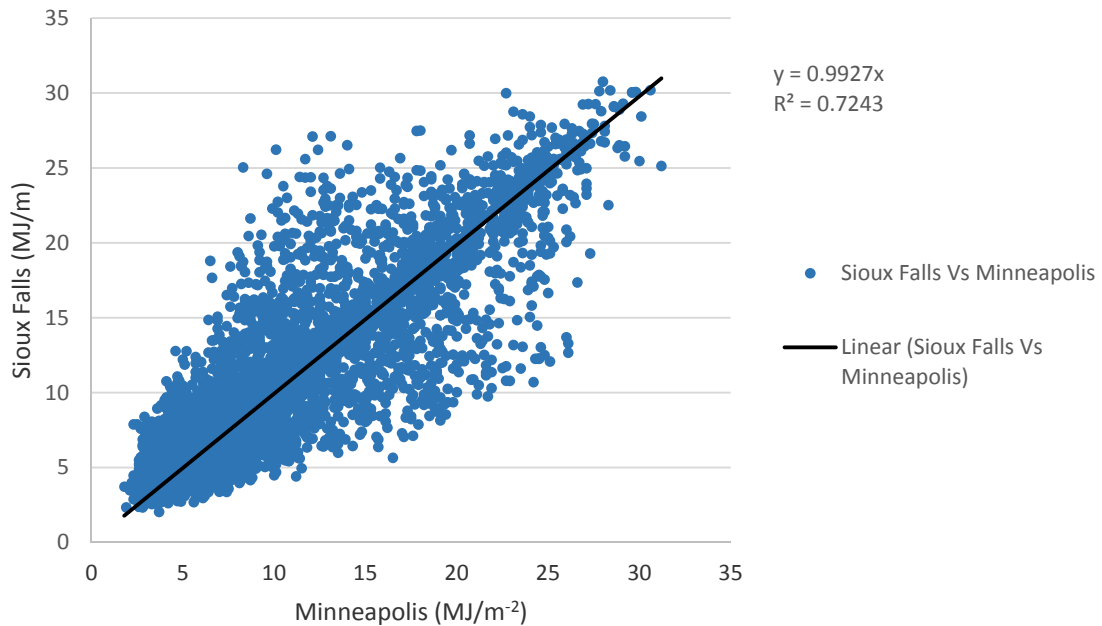


Figure 3.4 Regression relationship between Sioux Falls MN radiation values and Minneapolis MN Radiation Values

Net radiation is the difference between incoming and outgoing radiation from solar and terrestrial sources. Incoming solar radiation was available from the University of Minnesota climate center. This radiation was used for the snowmelt sites. Possible adjustment using regression equations was unwarranted given the overall uncertainty in estimated radiation shown in Figures 3.1 through 3.3. Terrestrial radiation was unavailable at the snowmelt sites. However, if the temperatures of the snowpack and the surrounding environment are the same, and if they have equal emissivities, the net long-wave radiation is zero, that is, the outgoing radiation equals the incoming radiation. Once again because of the overall uncertainty in the incoming solar radiation for the snowmelt sites, further refinements using estimates of the long-wave radiation were

deemed unnecessary. Net radiation was therefore simply calculated by difference between incoming and outgoing solar radiation.

Albedo, “ α ”, is the ratio of the solar radiation reflected by the body to the solar radiation R_s incident upon that body *Baker et al.*, (1987). The albedo values used for this study are broken into three seasonal conditions. The seasonal conditions are no snow (April-October), transitional snow (March - November) and snow cover (December - February), with corresponding averaged α value of 0.025, 0.50 and 0.80 respectively as obtained by *Baker et al.* (1987). Net radiation was calculated by multiplying observed solar radiation $(1-\alpha)$.

Assessment of SWE Data Sets

A preliminary analysis of the observed snowmelt data obtained from the SWE data set was done to assess its reliability and consistency among the sites. Reliability was assessed by examining trends between observed snowmelt depths and daily average temperatures. Average temperature is defined as the average of daily maximum and minimum temperatures.

The first consideration is the trend between observed snowmelt depths and temperature for all events for the Marshall site. This trend is shown in Figure 3.1. As shown by this graph, there are substantial snowmelt depths when the daily average temperatures are near zero and there are negative snowmelt depths (suggesting snowfall) when the average

daily temperature is considerably greater than zero. The latter trends cannot be explained by precipitation on those dates. Because of these potential problems, subsequent analyses were limited to events where the snowmelt depths were greater than 10 mm.

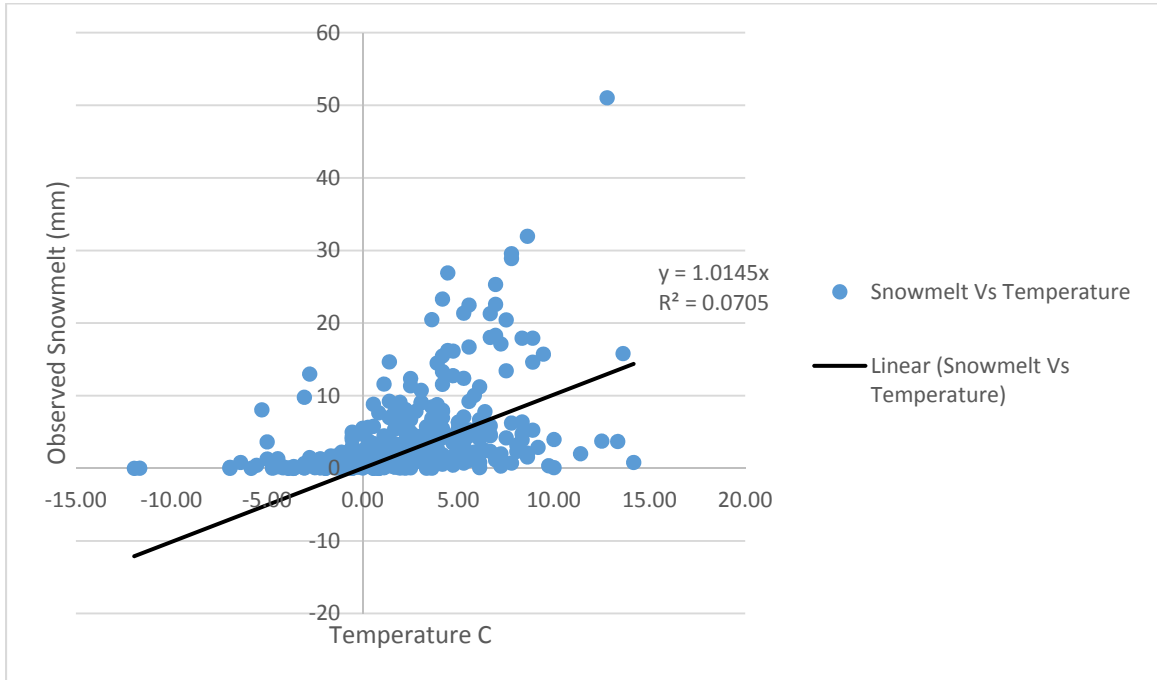


Figure 3.5 Regression relationship between Observed Snowmelt and Daily Average Temperature for all positive melt occurrences for Marshall MN

A plot of the trend between large snowmelt depths and average temperature for the Marshall site is shown in Figure 3.2. By using the larger snowmelt depths, a reasonable trend between snowmelt and temperature was obtained. There is only one obviously suspicious data point where there was a large snowmelt depth for an average temperature of less than zero.

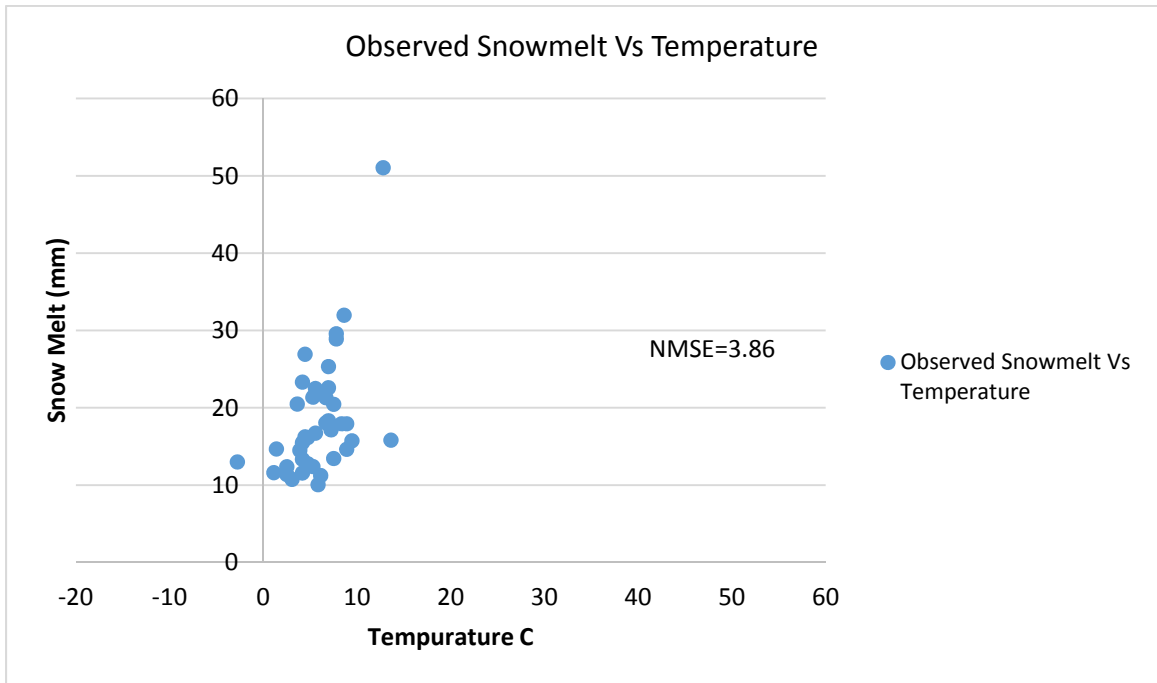


Figure 3.6 Observed Snowmelt and Daily Average Temperature for Positive Melt Occurrences > 10m for Marshall MN

Trends between large snowmelt depths and daily average temperatures for the other two sites are presented and discussed in detail in Chapter 4. Unfortunately, their trends are more troublesome. To illustrate potential problems with the observed snowmelt data, the dates corresponding to large snowmelt depths and temperatures greater than zero were identified. There were thirty-nine dates with these two criteria. The observed snowmelt depths for the St. Cloud and Rushford sites were determined similarly by limiting snow melt data to dates with observed melt events greater the 10 mm. Since the sites are reasonably close to each other, consistent trends in snowmelt depths with temperature are expected among the three sites.

Comparisons of the observed snowmelt depths for St. Cloud and Rushford for the thirty-nine events for the Marshall site are shown in Figures 3.3 and 3.4. For the St. Cloud site, some of the snowmelt depths were in good agreement with those for Marshall. However, the snowmelt depths at St. Cloud were frequently substantially smaller than those observed at Marshall. These differences could be caused by natural variability or problems in the data collection process. Since details of the snow measurement methodology are unavailable it is not possible to determine why these observations are different. Nonetheless data for Marshall appears more consistent with expected trends. This conclusion has important implication on the accuracy of predicted snowmelt depths discussed in detail in Chapter 4.

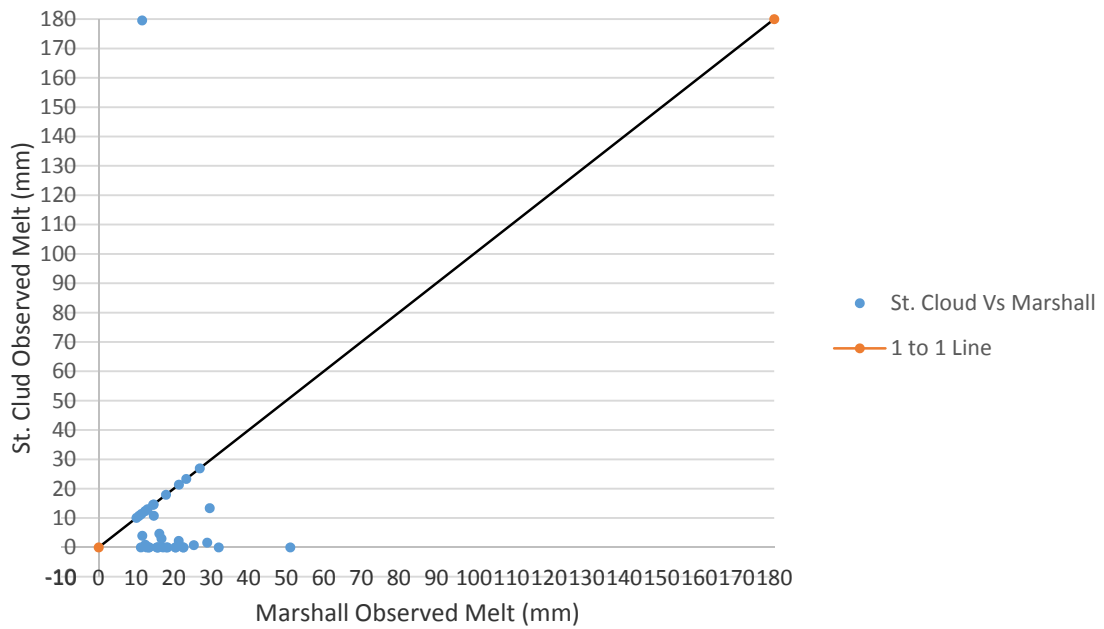


Figure 3.7 St. Cloud MN Observed Snowmelt and Marshall MN Observed Snowmelt

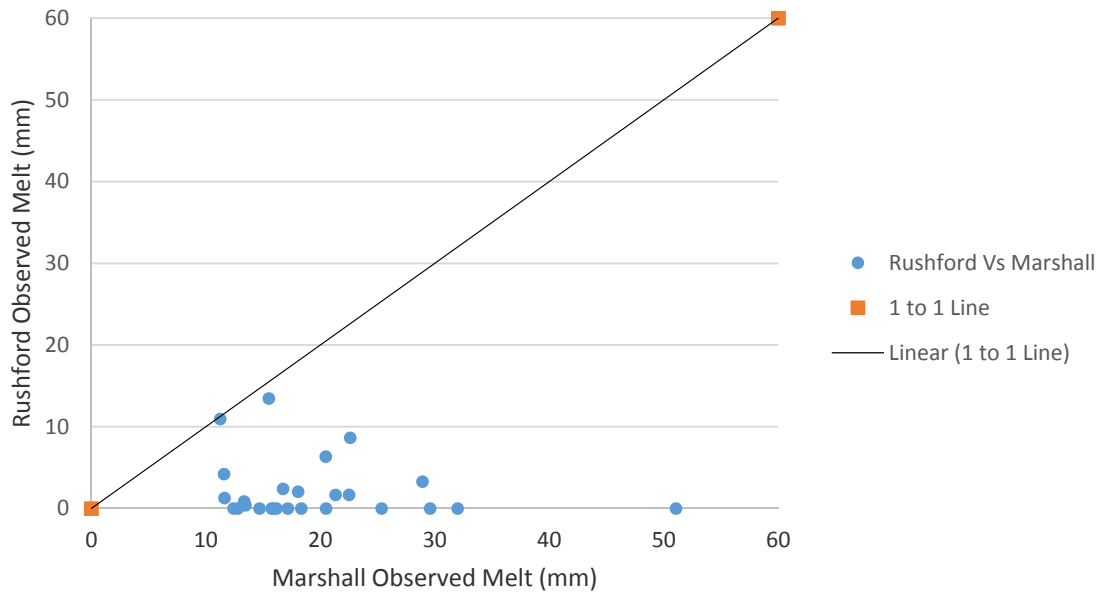


Figure 3.8 Regression relationship between Rushford MN Observed Snowmelt and Marshall MN Observed

Description of Snowmelt Models

Introduction

The prediction methods were selected to provide a range in modeling rigor. The first model evaluated was the simple Degree-Day Method; the last, and most complex model, was Surface Energy Balance Methods. A requirement in model selection was that all of the meteorological parameters could be defined from the readily available climate information available from University of Minnesota Climatological Group and National Weather Service. In addition to availability of climate data, the models had to be useable by field staff for multiple state and federal agencies.

The accuracy of four different types of methods evaluated included the Degree-Day Method, Restricted Degree-Day Radiation Balance Method, Statistical and Process based Energy Balance Methods. There are two approaches to each method. For the process-based approach, parameters were estimated using previously published values or relationships. The other approach, called the statistical approach, utilized parameters calibrated to the observed data using regression analysis.

Degree-Day Method

The Degree-Day Method is the simplest of the snowmelt methods. Here the snowmelt varies linearly with the degree-day. The form of the method used in this study follows the work of Hanratty and Stefan (1997) because the parameters are reflective of Minnesota climate and allow for variation in snowpack related to temperature. The potential snowmelt (M) is predicted as shown in Equation 3.1:

$$M = a * (T - T_b) \tag{3.1}$$

Where: M = snowmelt (mm/day)

a = melt rate (mm/degree day)

T = maximum daily temp (°C)

T_b = base temperature (°C)

For the process-based approach, standard values for “ a ” were used based on the recommendations of Kim et al. (1974). Values for “ a ” vary depending on the amount of snow that has already melted using the following relationships shown in Equation 3.2

$$\begin{array}{lll}
 a = 0.005486 * m^2 - 0.118872 * m + 1.09728 & 10 < m < 35 & 3.2 \\
 a = 0.4572 & m \leq 10 & \\
 a = 3.6576 & m \geq 35 &
 \end{array}$$

where the value of “ m ” represents the percentage of snow pack already melted. The “ m ” values for this study were derived from the obtained SWE data. The daily difference in SWE values was divided by the yearly maximum SWE value and converted into a percentage.

Two different approaches were used to assess the accuracy of the Degree-Day Method. The “process-based” approach used the parameters of Hanratty and Stefan (1997) that are given by the above relationships. For the “statistical” approach, the parameter “ a ” was estimated using the best least-square fit between the observed snowmelt depths and that predicted by Equation 3.1. Different calibrated values of “ a ” were then obtained for each of the three sites. The results are given in Chapter 4.

Restricted Degree-Day Radiation Balance Method

The restricted degree-day radiation method is an extension of the Degree-Day Method to include net radiation in the prediction of snowmelt. The relationship proposed by *Kustas and Rango* (1994) is shown below as Equation 3.3:

$$M = a_r T_{\max} + m_Q R_n \quad 3.3$$

Where: M = snowmelt (mm/day)

a_r = restricted degree-day factor ($\text{cm } ^\circ\text{C}^{-1}$)

T_{\max} = maximum daily temp ($^\circ\text{C}$)

m_Q = conversion factor for energy flux density to snow depth ($\text{cm } \text{d}^{-1} (\text{W } \text{m}^{-2})^{-1}$)

R_n = net radiation (W/m^2)

The value of m_Q is approximately 0.26 giving the relationship of $\text{mm } \text{d}^{-1} (\text{W } \text{m}^{-2})^{-1}$ of daily average energy input results in a daily snowmelt depth of about 0.3 mm water equivalent *Kustas and Rango* (1994). The range of “ a_r ” for this equation ranges from 2.0 to 2.5 $\text{mm } ^\circ\text{C}^{-1} \text{d}^{-1}$ and is largely dependent on wind speed, reducing sensible heat transfer and humidity levels. For this paper the average value of 2.5 $\text{mm } ^\circ\text{C}^{-1} \text{d}^{-1}$ was selected for the process-based parameter.

Similar to Degree-Day Method, the Restricted-Degree-Day Method also used a “process-based” and “statistical” approaches to determine the parameters. The process-based approach used the previously published work of Kusta and Rango (1994) to define the parameters. The parameters of “ a_r ” and “ m_Q ” were also estimated using a regression analysis.

Surface Energy Balance Methods

The final method in this analysis is the Surface Energy Method. An overview of key energy terms has previously given in Chapter 2. The form used in this study was proposed by Zuzel and Cox (1975) and is equivalent to that given by Kusta and Rango (1994). Specifically this approach incorporates daily radiation, wind speed, and relative humidity values along with the temperature values used on the previous methods. A disadvantage of the energy-balance method is acquiring the necessary data to perform the calculations. In this investigation, solar radiation, wind and relative humidity data are from the St. Paul Campus weather station.

An energy balance for a snow pack can be written as Equations 3.4 and 3.5:

$$M = m_Q \Delta Q \quad 3.4$$

$$\Delta Q = R_n + H + LE \quad 3.5$$

where the energy used to melt water (ΔQ) is balanced by the net radiation (R_n), sensible heat transfer (H) associated with conduction and convection, and energy used in the evaporation of liquid water (LE). The value of the conversion factor for energy flux density to snow depth m_Q is $0.26 \text{ mm d}^{-1} (\text{W m}^{-2})^{-1}$ (*Kustas and Rango, 1994*). Net radiation is computed using the same approach given for the Restricted-Degree-Day method.

The *sensible heat transfer* is determined using the following Equation 3.6:

$$H = \rho c_p C_h k^2 [\ln(z/z_0)]^{-2} * u (T_a - T_s). \quad 3.6$$

where ρ is the density of air ($=1.293$), c_p is the specific heat capacity of air at constant pressure ($c_p = 1.005$ units), C_h is the atmospheric stability correction factor for heat transfer (equation definition given later) (Kustas et al, 1994), k is the von Karman's constant ($k = 0.4$), u is the daily average wind speed (mph) obtained from the Midwest Regional Climate Center, z is the distance above the surface for this wind speed ($z = 2$ m), z_o is the roughness height of the surface ($z_o = 0.01$ m), T_a is the average daily temperature obtained from (U of M) and T_s is the temperature of the snowpack, which for the study was evaluated as $T_s = 0$ C.

The stability correction for heat transfer is defined as Equation 3.9

$$C_h = (1-58 R_i)^{0.25} \quad R_i \text{ values of } < 0 \quad 3.7$$

$$C_h = (1+7 R_i)^{-0.1} \quad R_i \text{ values } > 0 \quad 3.8$$

where R_i is the bulk Richardson number evaluated in this study as Equation 3.11

$$R_i = gz(\theta_a - \theta_s)(\theta_a u^2)^{-1} \quad 3.9$$

where g is the acceleration of gravity ($g = 9806.65$ mm/s) and z . Factors θ_a is the average daily temperature C and T_a temperature at the surface.

The energy component for **evaporation of liquid water** is determined as Equation 3.12

$$LE = \rho L C_e k^2 [\ln(z/z_o)]^{-2} u (q_a - q_s) \quad 3.10$$

where ρ , k , z , z_o , and u are as previously defined, L is the latent heat of vaporization ($L = 2.257$ J/kg), C_e is the stability correction factor for water vapor transport and is defined as Equation 3.13,

$$C_e = 0.5 * C_h \quad 3.11$$

where C_h has been previously defined by Equation 3.9, q_a and q_s are the specific humidity of water vapor of the atmosphere and just above the snow surface, respectively.

Specific humidity is defined as Equation 3.14 (Chapter 3, Wilson, 2013)

$$q = 0.62 \left(\frac{e}{P_t - 0.38e} \right) \quad 3.12$$

where P_t is the air pressure 1 atm and e is the water vapor pressure. In this study, the equivalent daily vapor pressures for computing q_a and q_s were obtained by multiplying the minimum relative humidity and the maximum relative humidity, respectively, by the saturated vapor pressure. The saturated vapor pressure was estimated from the daily average temperature as Equation 3.15 (Chapter 3, Wilson, 2013)

$$e^s = \left(\frac{T}{273.16} \right)^{-4.811} \exp \left[24.134 - \frac{6726.73}{T} \right] \quad 3.13$$

Estimation of the parameters using the above relationships and constants is referred to as the process-based approach. Parameters were also estimated using regression analysis. In contrast to the statistical approaches taken for the Degree-Day and the Restricted-Degree-Day Methods, two different types of regression analysis were performed. The first type performed regression analysis using the energy terms as the dependent variables. Regression analysis was performed using the statistical model of Equation 16a

$$M_p = b_o + b_1 R_n + b_2 [u(T_a - T_s)] + b_3 [u(q_a - q_s)] \quad 3.14a$$

and

$$M_p = c_o + c_1 R_n + c_2 [u C_h (T_a - T_o)] + c_3 [u C_e (q_a - q_s)] \quad 3.14b$$

Five different combinations of estimates of the parameters were obtained for both of the different models. These combinations are summarized in Figure 3.4. The parameters estimated for each of the model are represented by x.

Table 3.1 Statistical Models Using Energy Balance Terms

Model ID	Type	Parameters					
		b ₁	b ₂	b ₃	c ₁	c ₂	c ₃
S ₁	a or b	x			x		
S ₂	a		x	x			
	b					x	x
S ₃	a	x	x				
	b				x	x	
S ₄	a	x		x			
	b				x		x
S ₅	a	x	x	x			
	b				x	x	x

Statistical Methods

The regression analyses were performed using the Regression, Data Analysis function of Microsoft Excel. Excel V-lookup function was used to select the dependent variables and

corresponding independent vales. The statistics used to summarize the best correlation of the regression analyses are shown below.

Coefficient value: Least-square slope coefficient for independent variables. This statistic is computed by the Microsoft Excel Regression Analysis function

p- value Probability corresponding to the two-tails for a null hypothesis of coefficients equal to zero. This statistic is computed by the Microsoft Excel Regression Analysis function

Std Error Standard error for the regression coefficients. This statistic is computed by the Microsoft Excel Regression Analysis function

ME Mean error computed as the difference between the mean of the observed values and the mean of the predicted values, that is,

$$ME = \left(\frac{1}{n}\right) \sum_{i=1}^n y_i - \left(\frac{1}{n}\right) \sum_{i=1}^n y_{p,i} \quad 3.15$$

NME Normalized mean error defined as the quotient of the ME and the standard deviation of the observed values, that is,

$$NME = \frac{ME}{\sqrt{\sum_{i=1}^n (y_i - \bar{y})^2 / (n - 1)}} \quad 3.16$$

NMSE Normalized mean squared error defined as the quotient of the sum of squared residuals and the variance of the observed values, that is,

$$NMSE = \frac{\sum_{i=1}^n (y_i - y_{p,i})^2}{\sum_{i=1}^n (y_i - \bar{y})^2} \quad 3.17$$

Summary

Observed daily snowmelt depths were computed from changes in snow-water-equivalent data provided by the National Weather Service for Marshall, St. Cloud and Rushford, MN. Corresponding climate data were obtained for these three sites. The reliability of

the observed snowmelt depths was evaluated by examining the consistency in observed depths for large events measured at Marshall. Unfortunately, the snowmelt depths at St. Cloud and Rushford were not consistent with those observed at Marshall. Radiation data was not readily available at the three sites, but was available at the Minneapolis-St. Paul airport. The validity of using the MSP data for the three sites was examined using the observed radiation data of the WINDS model (Wilson et al, 2006). This analysis suggested that errors will be introduced into the analysis using the MSP radiation data. Because of these uncertainties, the net radiation for all three snowmelt sites was estimated using the product of incoming solar radiation measured at the University of Minnesota, St. Paul campus and one minus the albedo of snow.

Three different types of snowmelt models were considered. Two different approaches were used to estimate the parameters for each model. The process-based approach used previously published constants and relationships to obtain these parameters. For the statistical approach, parameters were calibrated to the observed data using regression analysis. The results of the calibration and the assessment of the accuracy of the different methods are given in Chapter 4.

CHAPTER FOUR

RESULTS AND DISCUSSION

Introduction

Chapter 3 described the observed snowmelt depths, corresponding meteorological data, and the snowmelt models used in this study. In this chapter, the predictive accuracy of snowmelt models is evaluated using the observed snowmelt depths, utilizing both process-based and statistical approaches for estimating model parameters. Results for the Degree-Day method are first summarized in this chapter. The predictive accuracy for the Restricted-Degree-Day methods is then given and discussed later in this chapter. The energy-balance method has the highest number of combinations of process variables for which parameters are estimated. Results for the energy balance method are presented for these many combinations. These results include both the predictive accuracy of the model and an assessment of the accuracy of different approaches in estimating parameter values. The final section provides an overall assessment of the predictive approaches investigated in this project. The calculations for each method are located in their respective Appendix.

As discussed in Chapter 3, the observed snowmelt depths are more difficult to interpret for the small events. Therefore only events with snowmelt depths greater than 10 mm were initially selected for possible calibration and evaluation. This criterion resulted in 39 events for Marshall, 25 events for St. Cloud and 12 events for Rushford. Additional

dates were removed if the average daily temperature for these large events was below freezing. By using both criteria, the number of events for calibration and evaluation of the different snowmelt models was 37 with a mean observed snow melt depth of 18.7 mm for Marshall, 17 events with a mean observed snow melt depth of 24.1 mm for St. Cloud and 7 events with a mean observed snow melt depth of 20.7 mm for Rushford. Specific humidity data was not available for 9 of the significant snowmelt events for Marshall. For the energy balance methods, these events were also excluded. Only 29 observed snowmelt events were therefore used to evaluate the energy balance methods for Marshall. To allow direct comparison with the Degree-Day and Restricted-Degree-Day methods, the key statistics obtained by using this subset of data are given in parentheses.

Degree Day Method

The Degree-Day method is the simplest of the snowmelt models. Predicted snowmelt depth for this model increases linearly with temperature. Observed snowmelt depths as a function of daily average temperatures are shown in Figures 4.1, 4.2 and 4.3 for the Marshall, St. Cloud and Rushford sites. Once again, these depths were restricted to M_{obs} values greater than 10 mm corresponding to dates of positive degree-day temperatures. The slope of the regression equation through these values is the statistical (calibrated) estimate of the melt rate parameter (a). Also shown in these figures are the predicted snowmelt depths using the process-based (uncalibrated) estimate of the melt rate parameters using Equations 3.2a, 3.2b, and 3.2c given in Chapter 3.

The best linear relationship between snowmelt and temperature is for the Marshall site with the smallest NMSE (normalized mean square error) of 0.75. The NMSEs for the St. Cloud and Rushford sites are 1.19 and 2.1, respectively. The smallest ME (mean error) of 1.03 mm is also for the Marshall site. MEs for St. Cloud and Rushford are 7.12 mm and 6.86 mm, respectively. The estimate of the melt rate from the regression equations are $a=3.03 \text{ mm C}^{-1} \text{ d}^{-1}$, $a=3.68 \text{ mm C}^{-1} \text{ d}^{-1}$, and $a=3.86 \text{ mm C}^{-1} \text{ d}^{-1}$ for Marshall, St. Cloud, and Rushford, respectively. These estimates are in reasonably good agreement to previously reported values discussed in Chapters 2 and 3.

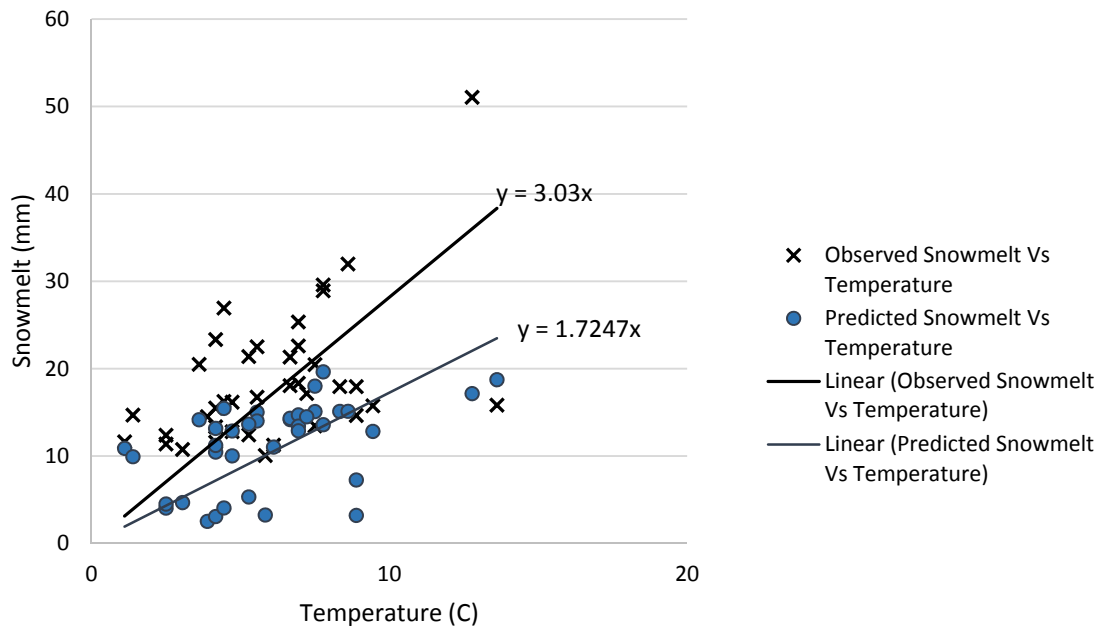


Figure 4.1. Trends of Observed and Process Based Predicted Snowmelt Depths with Temperature for Marshall, MN.

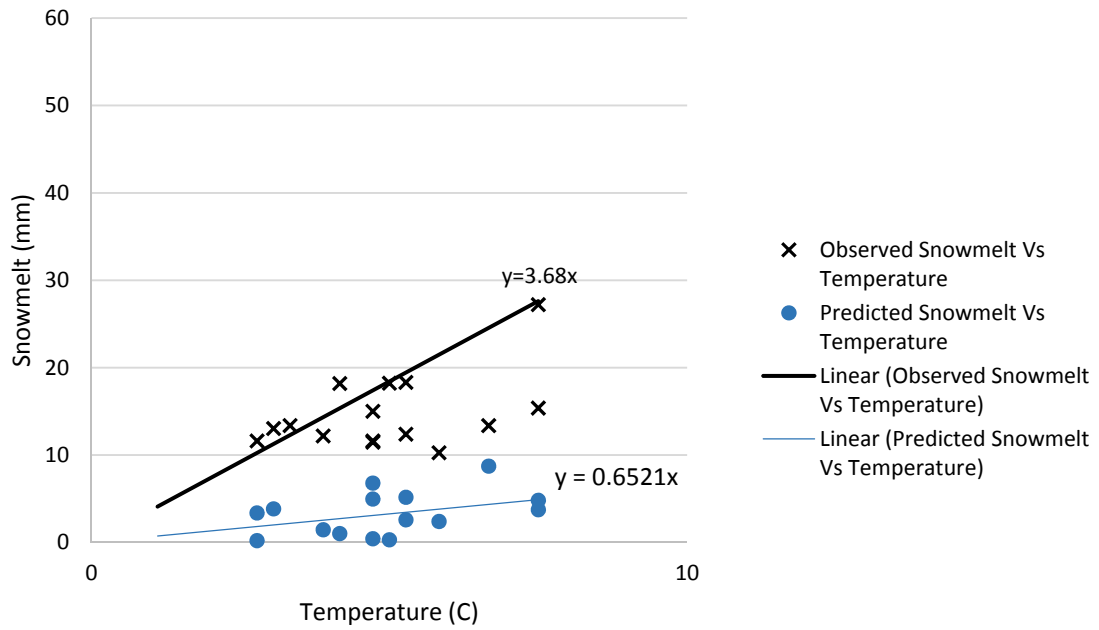


Figure 4.2. Trends of Observed and Predicted Process Based Snowmelt Depths with Temperature for St. Cloud, MN Temperature

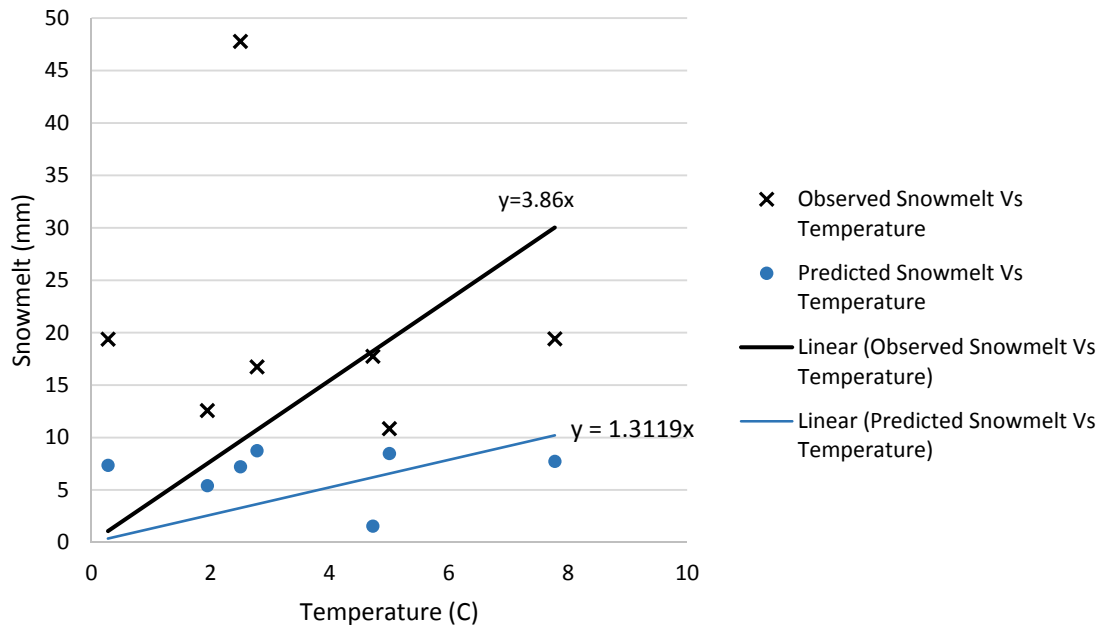


Figure 4.3 Trends of Observed and Predicted Snowmelt Depths with Temperature for Rushford, MN Temperature

Predicted snowmelt depths using Equation 3.1 are also shown in Figures 4.1 through 4.3. These predicted values are generally smaller than those observed. The maximum melt rate ($a=3.66 \text{ mm C}^{-1} \text{ d}^{-1}$) of Equation 3.1 is adjusted by the percentage of snow pack already melted (parameter m). Without this adjustment, the predicted depths would be much closer to the observed depths. The adjustment factor using m was originally defined for a watershed model. This adjustment for the smaller scale of our snowmelt data greatly reduced the accuracy of the prediction.

In Chapter 3, the inconsistency in snowmelt depths among the three sites was discussed. This inconsistency suggested possible limitations in the observed snowmelt data. The

Marshall site has the most events of snow depths greater than 10 mm and positive temperatures. It also has the strongest expected trend of snowmelt depth with temperature. Based on these criteria, the Marshall site has the most robust observed snowmelt data. Only data from this site is used to evaluate the other snowmelt models discussed in the next sections.

Restricted Degree Day Method

The Restricted-Degree-Day method adds a net radiation term to the Degree-Day methods in the prediction of snowmelt models. As discussed in Chapter 3, the parameters of this method were evaluated using previously published relationship and by using a regression analysis (using a zero intercept). Net radiation is estimated using measured solar radiation in St. Paul and rough estimates of the albedo. The accuracy of the Restricted-Degree-Day method is evaluated using observed snowmelt depth for the Marshall site.

Observed snowmelt depths as a function of net radiation are given in Figure 4.4. Although there is considerable scatter, there is a general increase in snowmelt depth with net radiation. A possible contributing factor to the scatter is the use of solar radiation data at St. Paul for the Marshall site. Additional errors could be introduced with the estimate of albedo and the neglect of net terrestrial radiation.

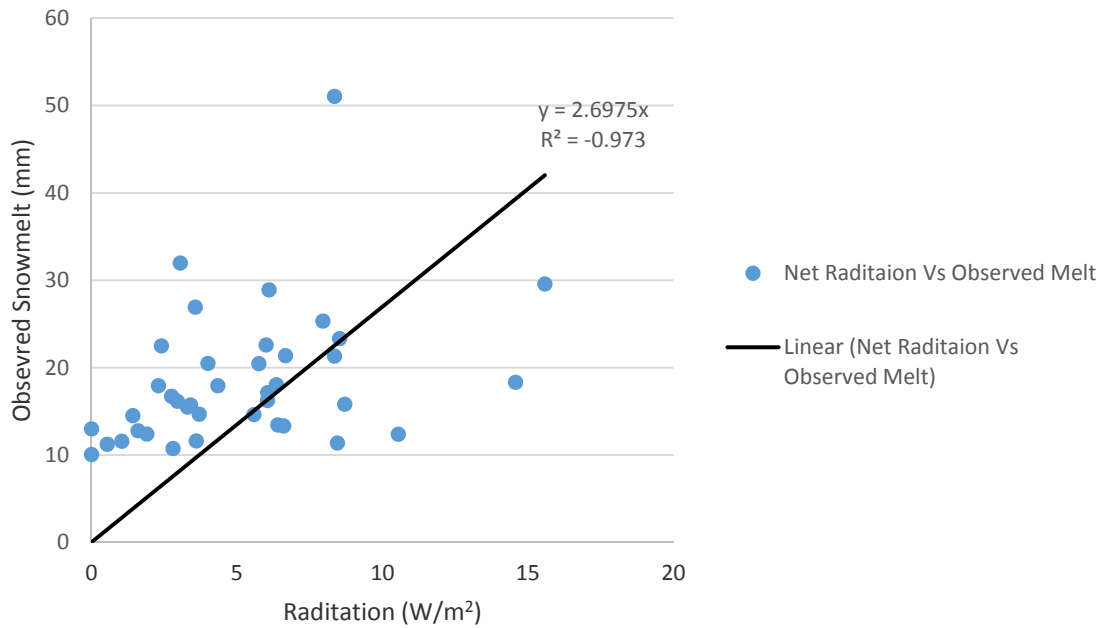


Figure 4.4 Regression relationship between Marshall MN Observed Snowmelt and Net Radiation for the 37 restricted occurrences.

A regression analysis was performed to estimate statistically the parameters of the Restricted-Degree-Day method. This analysis resulted in the following equation:

$$M_p = 2.35 T_{\max} + 0.66 R_n \quad 4.1$$

where M_p is the predicted snowmelt using the calibrated model in units of mm d^{-1} . The restricted degree-day factor of $a_r = 2.35 \text{ mm C}^{-1} \text{ d}^{-1}$ is in reasonably good agreement with the process-based estimate (using previously reported values) of $a_r = 2.5 \text{ mm C}^{-1} \text{ d}^{-1}$. The conversion factor of $m_Q = 0.66 \text{ mm d}^{-1} (\text{W m}^2)^{-1}$ is considerably larger than the process-based estimate of $m_Q = 0.26 \text{ mm d}^{-1} (\text{W m}^2)^{-1}$.

Plots of predicted and observed snowmelt depths for the Marshall site are shown in Figure 4.5

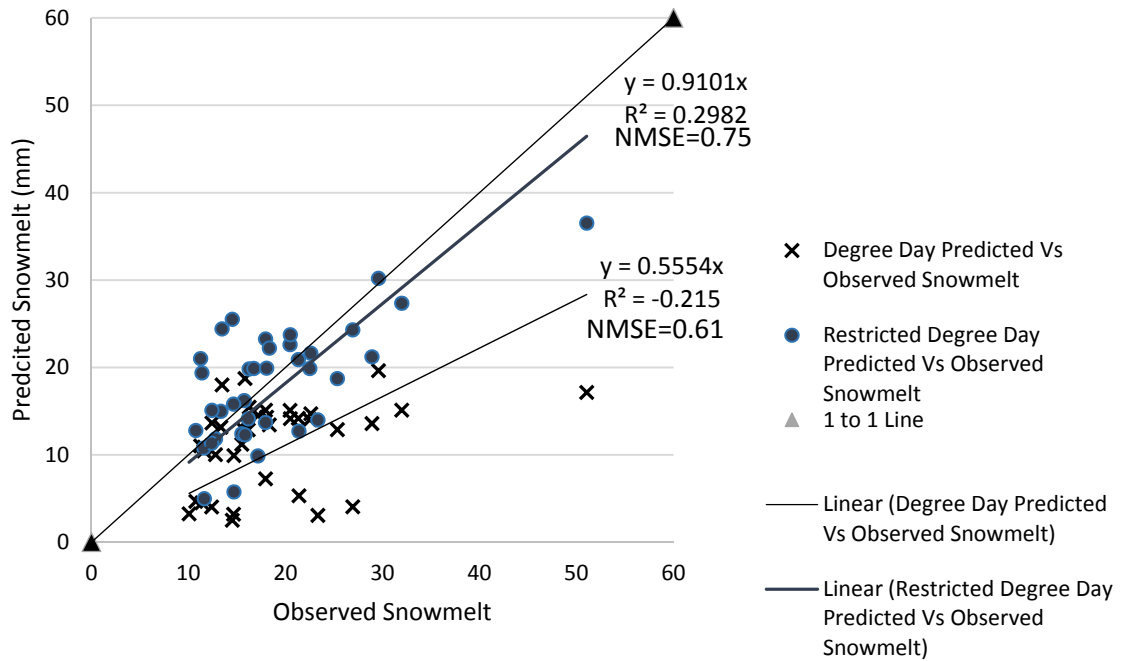


Figure 4.5 Regression relationship between Marshall MN Predicted Degree Day Melt and Predicted Restricted Degree Day Melt Compared Observed Snowmelt

Predicted results include those obtained using statistically estimated parameters given by Equation 4.1 and those obtained using previously published data. The ME and NMSE for the statistical parameters are 0.52 mm and 0.61, respectively. For the process-based approach, the ME and NMSE are 0.52 mm and 0.61, respectively. Of course, the model with site-calibrated parameter is more accurate than the process-based approach that has parameters estimated from data obtained at other locations. In comparison to the Degree-Day method, the NMSE is smaller than the value obtained from the Degree-Day method

using the statistical parameters. For the process-based parameters, the Restricted-Degree-Day method is also superior. This is particularly noteworthy given the crude estimate of net radiation that was available for the Marshall site.

Energy-Balance Methods

Statistical Approach

As discussed in Chapter 3, numerous approaches were used to estimate the parameters of the relatively complex energy balance method. The results and discussion are divided into those related to the statistical approach and those related to the process-based approach. A summary of the results for the statistical approach is given in Figure 4.6. The notation for the different methods is given in Chapter 3.

To gain insight into the role of the importance of the sensible heat and evaporative latent heat terms, the observed snowmelt depths were plotted as a function of the product of velocity and temperature (Figure 4.7) and as a function of velocity and specific humidity (Figure 4.8). The negative product of velocity-temperature could be a consequence of using average daily temperature (and not daily maximum temperature as in the degree day method). Although there is considerable scatter in the data, snowmelt depths appear to increase with both of these terms. A comparison of snowmelt depth as only a function of temperature (i.e., Figure 4.1, NMSE = 0.75) or as a function of the product of

temperature and velocity (i.e., Figure 4.7, NMSE = 0.226) indicates that maximum temperature by itself is a better indicator of snowmelt than the combination of average temperature and velocity.

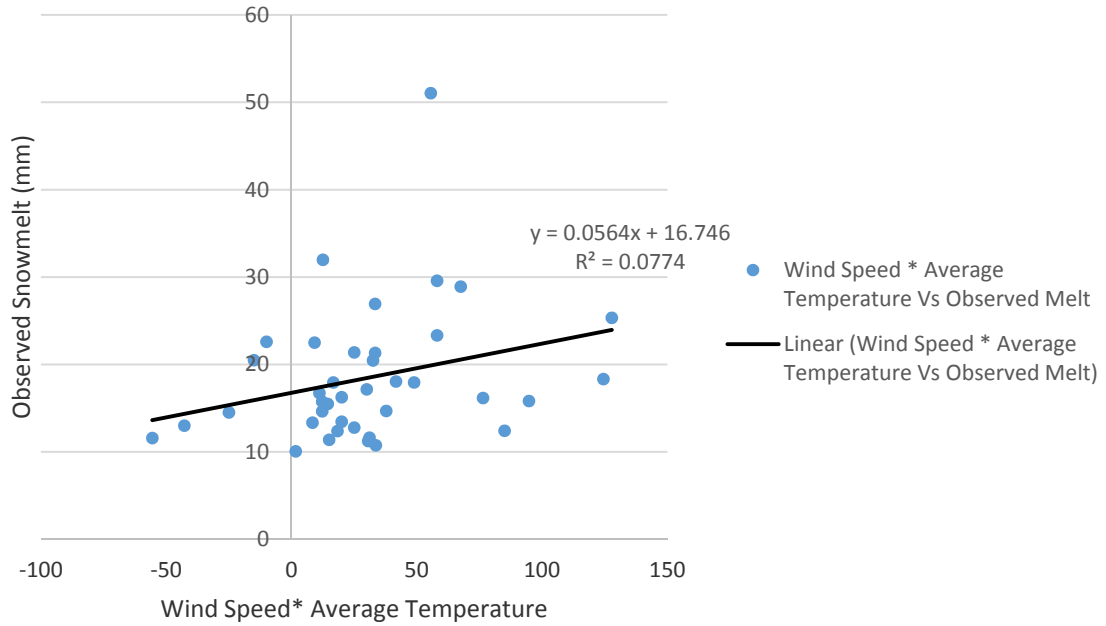


Figure 4.7 Regression relationship between Marshall MN Observed Snowmelt and Wind Speed*Temperature

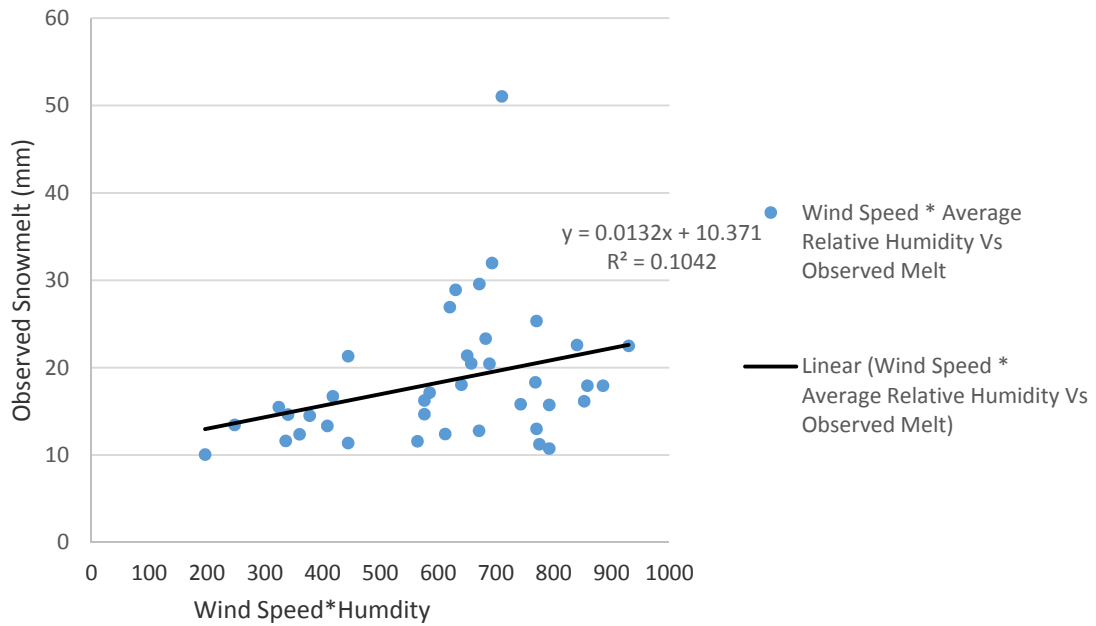


Figure 4.8 Regression relationship between Marshall MN Observed Snowmelt and Wind Speed*Humidity

As discussed in Chapter 3, the statistical approach to estimating parameters was done by first considering only one independent variable in the energy balance. Net radiation is that variable for Method S₁. Two independent variable methods correspond to those of Methods S₂, S₃, and S₄ in Table 4.2. Measures of sensible heat and latent heat of evaporation are used as the two variables for Method S₂. The subscript “a” is used to indicate the stability correction factors is not used in the definition of independent variables, and the subscript “b” is used to indicate that the stability correction factors are used. Methods S₃ and S₄ use net radiation as an independent variable, and either “a” the measure of sensible heat (Method S₃) or “a” the measure of latent heat of evaporation

(Method S₄). Method S₅ uses all three types of energy terms in the analysis of parameters.

As shown in Figure 4.9, a slightly smaller NMSE is obtained for Methods S₂ through S₅ where the independent variables were defined without incorporating the stability correction factor. Since these methods are slightly superior, our discussion will focus on the differences between the methods that don't use the stability correction factor (i.e., subscript "a"). The regression analysis without the net radiation (Method S₂) has a NMSE that is greater than that obtained using net radiation by itself (Method S₁). Method S₁ is superior to Method S₂.

Table 4.1 Summary of Results for Statistical Approach

Method	Coefficient Value	p-value	Std Error	ME	NME	NMSE
S ₁	2.23	4.36E-12	10.44	3.64	0.46	1.75
S _{2a}	0.19	2.69E-01	8.82	2.40	0.30	1.12
	4.80	5.88E-01				
S _{2b}	0.22	2.69E-01	9.48	2.93	0.35	1.29
	8.47	6.79E-01				
S _{3a}	0.13	9.09E-05	8.47	2.01	0.26	1.12
	0.11	2.22E-05				
9S _{3b}	0.13	2.69E-04	8.72	2.17	0.28	1.19
	0.12	9.69E-06				
S _{4a}	7.30	6.58E-04	8.94	2.38	0.30	1.25
	1.42	1.91E-05				
S _{4b}	14.78	1.43E-03	9.13	2.50	0.32	1.30
	1.48	1.14E-05				
S _{5a}	0.09	1.03E-02	8.22	1.79	0.23	1.03
	3.89	8.46E-02				
	1.14	3.00E-04				
S _{5b}	0.09	1.70E-02	8.50	1.95	0.25	1.10
	8.07	1.01E-01				
	1.23	1.59E-04				

Predicted and observed snowmelt depths for Methods S_1 , S_{3a} , S_{4a} and S_{5a} are shown in Figure 4.10. A slight improvement in the prediction accuracy is obtained as additional terms are added to the regression analysis. The NMSE improves from 1.75 with only the radiation factor placed in the model to 1.03 with all of the regression term. However, a $NMSE = 1.03$ is substantially greater than obtained by using the simple degree-day ($NMSE = 0.75$) and restricted degree day method ($NMSE = 0.61$). There appears to be little incentive to use the energy balance method with its parameters calibrated to the Marshall site. A better fit is obtained by calibrating either the degree-day method or the restricted degree-day method.

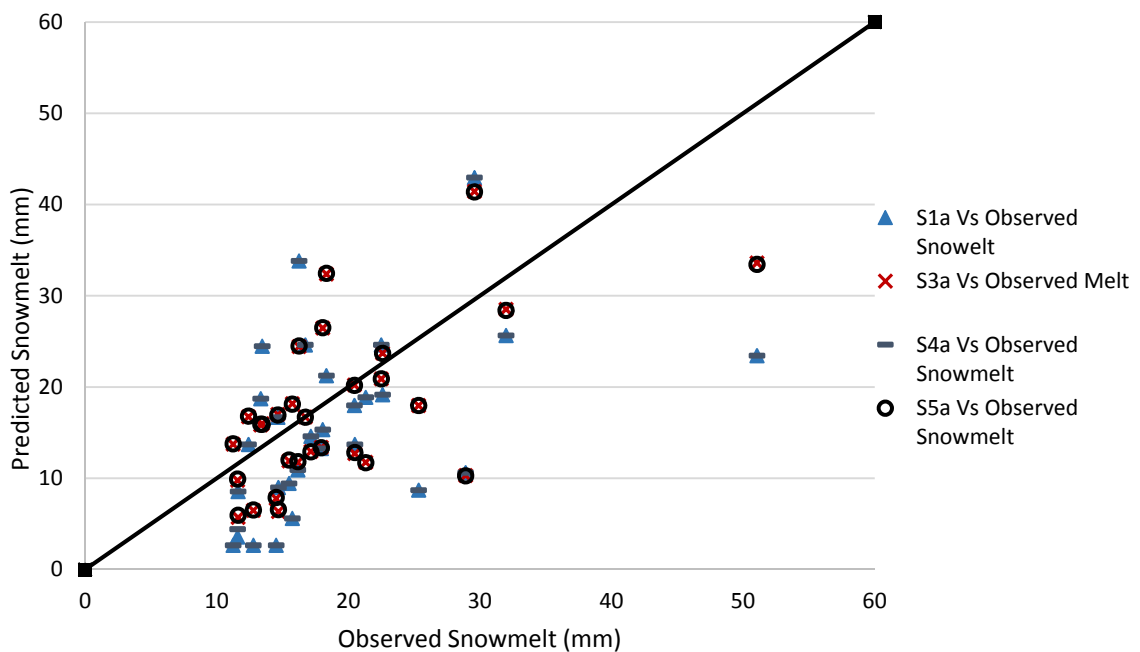


Figure 4.10 Graphical Summary of Statistical Method.

Process-Based Approach

The final method for predicting snowmelt is to use the energy balance with all of the parameters estimated using previously published relationships and parameters. These relationships and parameter values for this study were previously given in Chapter 3. The process-based approach is preferred because it doesn't require observed snowmelt data for calibration.

A comparison of predicted and observed snowmelt depth using the process-based approach of the energy-balance method is shown Figure 4.11. There is a positive correlation between predicted and observed snowmelt depths. The ME and NMSE are 1.83 mm and 1.31, respectively. Results for the process-based degree-day and degree-day methods are also shown in this figure. The best fit of the statistical approach of the energy balance method is shown for comparison. The other methods shown in Figure 4.10 are slightly more accurate than the energy balance method using the process-based approach. However, errors in the prediction could be a consequence of the methods used to estimate net radiation at Marshall.

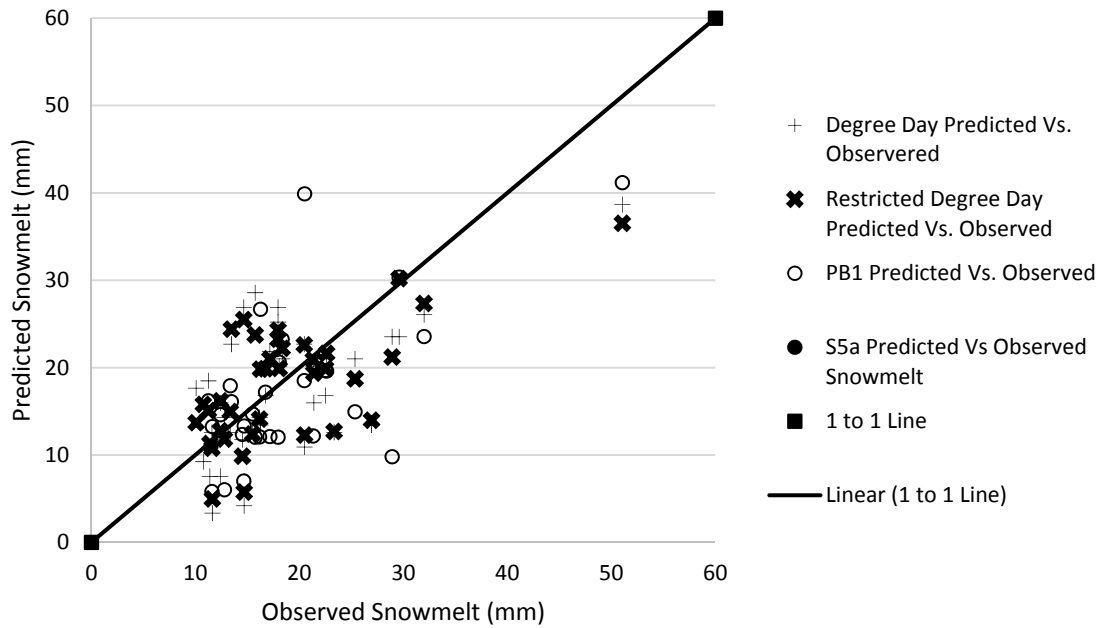


Figure 4.11 Graphical Summary of the Bet Fit Methods

Summary

The accuracy of the different snowmelt methods was evaluated with observed snowmelt depths. For the Degree-Day method the evaluation was done using the observed snowmelt depths at Marshall, St. Cloud, and Rushford sites. The statistical approach to estimate the melt rate was in good agreement to previously published relationships for all three sites. The change in the melt rate by using a snow pack change adjustments resulted in substantial under predictions of the observed snowmelt depths. Because of

concerns about the robustness and number of snowmelt depths, the evaluation of the accuracy of the other methods was limited to the Marshall site.

The greatest prediction accuracy was obtained with the Restricted-Degree-Day method with statistical approaches to estimating parameters. The mean error was only 0.52 mm for this method and the NMSE was 0.61. The Degree-Day, Restricted-Degree-Day and the energy-balance methods had approximately equal accuracy using the process-based (non-calibrated) estimate of parameters. The accuracy of the Restricted-Degree-Day and the energy-balance methods might be limited by the methods used to estimate net radiation for the Marshall site.

CHAPTER FIVE SUMMARY AND CONCLUSION

MinnFARM is used by the MPCA and NRCS in Minnesota as a tool to determine open lot runoff compliance for a farm. At this time the model does not take snowmelt into account. It is our hope through this study to improve this portion of the model through utilizing obtainable data and allow for regional variations that exist throughout the state. Refinement of the snowmelt portion of the MinnFARM model is required to increase the accuracy of the seasonal aspect of the potential nutrient load leaving a livestock open lot.

Observed daily snowmelt depths were computed from changes in snow-water-equivalent data provided by the National Weather Service for Marshall, St. Cloud and Rushford, MN. Corresponding climate data were obtained for these three sites. The reliability of the observed snowmelt depths was evaluated by examining the consistency in observed depths for large events measured at Marshall. Unfortunately, the snowmelt depths at St. Cloud and Rushford were not consistent with those observed at Marshall. Radiation data was not readily available at the three sites, but was available at the Minneapolis-St. Paul airport (MSP). The validity of using the MSP data for the three sites was examined using the observed radiation data of the WINDS model. This analysis suggested that errors will be introduced into the analysis using the MSP radiation data. Because of these uncertainties, the net radiation for all three snowmelt sites was estimated using the product of incoming solar radiation measured at the University of Minnesota, St. Paul campus and one minus the albedo of snow.

Three different types of snowmelt models were described. For each type, two different approaches were used to estimate the parameters. The process-based approach used previously published constants and relationships to obtain these parameters. For the statistical approach, parameters were calibrated to the observed data using regression analysis.

There are many inconsistencies and anomalies in natural snow. There are also many ways to approach the snowmelt process. Simple models narrow the scope and precision in predicting the volume of runoff-off water leaving a snow pack, but more complicated models require data that is difficult and costly to obtain.

The accuracy of the different snowmelt methods was evaluated against observed snowmelt depths. For the Degree-Day method the evaluation was done using the observed snowmelt depths at Marshall, St. Cloud, and Rushford sites. The statistical approach to estimate the melt rate was in good agreement to previously published relationships for all three sites. The change in the melt rate by using a snow pack change adjustments resulted in substantial under predictions of the observed snowmelt depths. Because of concerns about the robustness and number of snowmelt depths, the evaluation of the accuracy of the other methods was limited to the Marshall site.

The greatest prediction accuracy was obtained with the Restricted-Degree-Day method with statistical approaches to estimating parameters. The mean error was only 0.52 mm

for this method and the NMSE was 0.61. The Degree-Day, Restricted-Degree-Day and the energy-balance methods had approximately equal accuracy using the process-based (non-calibrated) estimate of parameters. The accuracy of the Restricted-Degree-Day and the energy-balance methods might be limited by the methods used to estimate net radiation for the Marshall site.

The Restricted Degree Day method based on the study would be my recommendation for implementation into the MinnFarm Model. The data required for this model is obtainable for sites throughout Minnesota via the Historical Climate Data Retrieval page on Minnesota Climatology Working Group - University of Minnesota Climatology website. The Restricted Degree Day model does improve the simplistic algorithm that is currently active in the MinnFARM model and would allow for increased regional accuracy which was another goal of this study.

In coming to this conclusion I believe that future emphasis and funding should be allotted to the collection of regional snow melt data. The varied terrain and climate changes that occur across the state of Minnesota would benefit greatly from accurate snowmelt observations to ensure that models like MinnFARM will be able to function and operate properly. The use of an existing data set that was not obtained specifically for the purpose of evaluating runoff leaving an animal feedlot leaves questions as to the applicability of this data set to the analysis being performed.

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Bruce Wilson, David Schmidt, Haibo Wan and Allison Remer, Validation of the Minnesota Feedlot Assessment Runoff Model (MinnFARM) for Use in Assessing TMDL's, (June 6, 2010, Minnesota Department of Agriculture Progress Report)

Distance between cities mn,<http://www.distance-cities.com/Minnesota>, July, 27,2012

Appendix A

<u>Symbol</u>	<u>Description</u>
a_r	Restricted degree-day factor Fixed a-value: 0.25
a	Melt rate (mm/degree day)
	$a = 0.005486 * m^2 - 0.118872 * m + 1.09728$ $10 < m < 35$
	$a = 0.4572$ $m \leq 10$
	$a = 3.6576$ $m \geq 35$
c_p	Specific heat of air at constant pressure: 1.005
C_e	Stability corrections for water vapor are $0.5 * C_h$
C_h	Stability correction for water vapor factor for energy flux density to snow depth $(1-58 R_i)^{0.25}$, $(1+7 R_i)^{-0.1}$ respectively
d	Day starting Jan. 1, Federal Water Year
D	Date Date Starting Oct. 1, Federal Water Year

e	Average difference in relative maximum and relative minimum humidity
e^s	$T_i/273.16)^{-4.811} * \text{EXP}(24.134 - (6726.73/T_i))$
G	Gravitational acceleration
H	Sensible heat flux: $\rho c_p C_h k^2 [\ln(z/z_0)]^{-2} u (T_a - T_s)$
H_{\max}	Maximum relative humidity taken from Midwest Regional Climate Center
H_{\min}	Minimum relative humidity taken from Midwest Regional Climate Center
K	Von Karman's constant: 0.4
L	Latent heat of vaporization constant: 2.257 J/kg
LE	Latent heat flux $\rho L C_e k^2 [\ln(z/z_0)]^{-2} u (q_a - q_s)$
m	Percentage of snow pack already melted Snow Water Equivalent (SWE) values M_{obs} .
$m_{\text{corrected}}$	Correction method is based on the slope of the comparison M_{obs} and T_{avg} : $0.514 * M_{\text{obs}}$

m_Q	0.026 conversion factor for energy flux density to snow depth (cm d ⁻¹ (W m ⁻²) ⁻¹) <i>Kustas and Rango</i> (1994).
M	Predicted Melt
M _{obs}	Observed daily value Observed Snow Water Equivalent (SWE)
M _{obs2}	Observed day 2 method Snowmelt 2 Correction to only calculated snowmelt if there is snow present: =IF(U15<U14,U14-U15,"NA")
M _{pavg}	Predicted Melt using fixed a and average temp : =(W14*(R14-0))
M _{pgre}	Predicted Melt using greater value of current day temperature or previous day temperature: =W14*((IF(R14>R13,R14,R13))- $\$M\4).
M _{ppos}	Predicted Melt Y to eliminate 0 and negative value =IF(W14*((IF(R14>R13,R14,R13))- $\$M\4)>0,W14*((IF(R14>R13,R14,R13))- $\$M\4),"NA").
M _{pcor}	Geoff's correction using melt to prevent melt values in no snow conditions

=IF((R14-M\$4)*U13>0,MIN(W14*(R14-M\$4),U13),"NA")

P_t	Sea level pressure values taken from the Midwest Regional Climate Center
q_a	Specific humidity, Midwest Regional Climate Center, at z above the surface
q_s	Specific humidity, Midwest Regional Climate Center, at the surface
R	Constant value of 8.3144621.
R_i	Bulk Richardson factor: $gz(T_a - T_s)(T_a u^2)^{-1}k$
R_n	Net radiation (W/m^2): Solar Radiation factoring in seasonal albedo factor α_s and albedo correction α_c .
R_s	Solar Radiation values taken from the Midwest Regional Climate Center data set.

T_a	Potential Temperature at elevation z
T_{avg}	Average Temperature =AVERAGE(P14:Q14)
T_b	Base temperature constant set to zero
T_i	Average Temp =(Tmax-0)/2
$T_{greater}$	Temperature using the greater temperature between the current day and previous day =IF(R14>R13,R14,R13).
T_{mxF}	Daily maximum temperature (°F) from U of M climatology department
T_{mnF}	Daily minimum temperature (°F) from U of M climatology department
T_{mxC}	Daily Maximum Temperature °C = (N14-32)*5/9
T_{mnC}	Daily Minimum Temperature °C =(O14-32)*5/9
T_s	Potential Temperature at the surface z_0

u	Wind speed, Midwest Regional Climate Center
z	Elevation above the surface
z_0	Elevation at the surface set equal to zero
α_s	Seasonal albedo factor
α_c	Albedo correction: slope of regression R_s and T_{avg} .
ρ	Density of air $1.293, (P_t m_{m,d})/RT*[1-0.38(e/P_t)]$

Appendix B

Daily Summary of Hourly Data for a Station
 From the Midwestern Regional Climate Center
 Station: (MSP) MINNEAPOLIS_INTL

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19910101	14	12	6	47	78	13	287	1024	4.5	0.02
19910102	-2	-4	-14	42	68	10	285	1038	5.6	0.01
19910103	-1	-3	-10	46	72	10	241	1036	6.2	0.01
19910104	0	-1	-8	50	72	8	212	1031	6.1	0
19910105	12	11	5	58	78	6	342	1026	4.5	0
19910106	5	4	-7	37	66	9	354	1039	6.3	0.01
19910107	6	4	-3	49	78	9	122	1037	5.8	0.01
19910108	19	18	15	67	91	11	216	1025	3.5	0.01
19910109	6	4	-2	57	73	6	324	1035	2.7	0
19910110	14	12	5e	57	86	10	96	1032	2.2	0.01
19910111	24	22	19	71	91	8	3	1022	3.3	0
19910112	17	16	12	64	91	8	243	1021	5.3	0
19910113	25	23	21	72	91	11	184	1006	2.2	0
19910114	29	27	22	65	79	11	286	1010	2.2	0.01
19910115	21	20	18	78	91	4	96	1016	2.2	-0.01
19910116	25	24	22	75	95	8	289	1016	2.2	-0.01
19910117	22	20	14	62	91	10	284	1019	3.1	0.01
19910118	27	25	23	75	100	13	216	1014	4.4	0.01
19910119	32	29	24	56	82	16	276	1005	4.2	0.04
19910120	8	7	0	42	77	16	331	1020	4.3	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19910121	-1	-2	-14	36	62	9	250	1026	6.9	0.01
19910122	16	14	8	43	87	16	211	1034	3	0.02
19910123	8	6	-2	50	63	16	300	1014	4.7	0.02
19910124	-1	-3	-13	30	72	8	297	1030	7.1	0.01
19910125	1	0	-6	51	85	9	217	1029	7.2	0.01
19910126	17	15	8	35	78	16	240	1012	6.5	0.03
19910127	25	23	18	46	91	16	241	1008	6.2	0.03
19910128	13	11	2	44	91	14	311	1022	6.9	0.03
19910129	-1	-2	-12	38	72	8	275	1025	7	0.01
19910130	8	6	-1	50	74	13	242	1016	5.4	0.02
19910131	8	6	1	52	85	8	178	1026	5.8	0.01
19910201	21	19	15	59	87	9	144	1023	6.7	0.02
19910202	32	29	24	45	100	6	178	1021	6.7	0.02
19910203	38	35	30	46	85	12	202	1015	6	0.03
19910204	38	36	32	62	92	8	254	1018	7.4	0.02
19910205	33	31	29	55	100	3	206	1025	7.8	0.01
19910206	33	31	28	57	100	6	272	1026	7	0.02
19910207	35	32	27	51	87	6	239	1029	7.7	0.02
19910208	39	35	30	52	96	8	233	1018	8.2	0.03
19910209	35	30	21	32	78	11	327	1022	8.2	0.05
19910210	24	20	5e	30	50	13	315	1024	8.5	0.07
19910211	16	13	-3	22	57	8	348	1026	8.7	0.02
19910212	27	23	14	24	83	8	181	1013	7.1	0.03
19910213	28	26	23	54	95	9	66	1047	4	0
19910214	9	8	0	48	87	21	322	1011	7.5	0.03
19910215	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19910216	23	20	13	51	73	8	197	1007	6.2	0.02
19910217	27	24	17	49	78	9	59	1013	9.2	0.04
19910218	29	28	26	72	100	10	34	1012	6.4	0.01
19910219	23	21	17	56	91	11	283	1015	9.9	0.03
19910220	31	28	24	64	95	9	212	1012	7.2	0.02
19910221	35	32	28	49	100	12	273	1015	8.6	0.06
19910222	21	18	7	37	65	11	330	1029	10.6	0.04
19910223	17	16	10	47	91	11	79	1020	5.4	0.01
19910224	8	6	0	49	86	8	308	1028	11	0.02
19910225	10	8	1	43	85	3	238	1029	9.7	0.01
19910226	18	16	12	56	86	6	278	1019	8.3	0.01
19910227	19	16	11	46	91	3	278	1014	9.7	0.01
19910228	0m	0m	0m	0m	0m	0m	0m	0m	9.4	0.01
19910301	34	32	29	68	91	12	31	1043	5.8	0.02
19910302	15	12	2	37	75	17	355	1014	8.8	0.04
19910303	14	11	0	34	58	5	55	1019	11.9	0.02
19910304	29	26	20	54	91	6	138	1006	11.1	0.04
19910305	38	34	29	39	100	10	107	1076	8.1	0.04
19910306	22	19	10	36	95	18	320	1029	10.6	0.06
19910307	20	17	6	29	87	9	231	1015	12.2	0.04
19910308	30	28	25	62	95	10	239	1011	8.3	0.03
19910309	26	23	14	40	82	11	307	1022	13.4	0.06
19910310	34	29	21e	41	83	16	114	1020	11.6	0.1
19910311	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19910312	0m	0m	0m	0m	0m	0m	0m	0m	8.2	0.07
19910313	32	27	17	35	68	14	30	1018	10	0.08

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19910314	34	28	17	28	75	5	46	1022	13.1	0.05
19910315	33	29	21	50	75	5	132	1026	13.7	0.06
19910316	34	33	31	72	100	6	123	1025	5.6	0
19910317	37	35	34	82	100	6	4	1019	5.7	0.01
19910318	39	36	31	53	92	8	277	1014	12.2	0.06
19910319	45	39	32	32	95	6	235	1013	15.1	0.08
19910320	44	0m	37	0m	0m	0m	0m	1003	9.6	0.04
19910321	41	41	40	92	100	9	37	1000	5.3	0
19910322	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19910323	36	35	33	78	96	17	319	995	8.5	0.03
19910324	42	36	27	32	85	9	295	1014	16.4	0.09
19910325	47	40	33	41	81	11	116	1010	12.2	0.12
19910326	56	52	49	55	100	6	192	997	14.1	0.09
19910327	35	33	30	56	96	16	313	995	6.5	0.03
19910328	26	22	10	33	71	13	297	1008	14	0.09
19910329	25	20	5	24	58	11	345	1020	17.7	0.09
19910330	32	28	21	42	89	11	200	1019	12.2	0.07
19910331	41	35	26	29	92	12	303	1018	15.8	0.12
19910401	40	32	20	26	69	6	99	1025	17.6	0.09
19910402	47	39	26	31	55	13	138	1023	16.6	0.17
19910403	56	47	39	37	67	11	161	1020	15.5	0.15
19910404	60	50	41	23	86	6	216	1016	15.8	0.12
19910405	66	52	40	25	63	8	210	1010	16.1	0.15
19910406	70	56	45	24	71	10	203	1002	16.4	0.2
19910407	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19910408	44	42	38	54	96	18	17	1009	7.6	0.06

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19910409	34	32	29	67	92	14	0	1015	8.1	0.03
19910410	42	35	22e	22	92	5	107	1022	20.1	0.11
19910411	44	36	23	32	52	17	96	1028	10.3	0.14
19910412	35	33	31	39	96	17	83	1026	7.7	0.04
19910413	39	37	35	68	96	13	86	1020	10.5	0.05
19910414	39	38	36	73	100	8	311	1011	8.3	0.02
19910415	39	37	33	57	96	10	252	1010	11.7	0.06
19910416	44	39	33	42	100	6	297	1018	16.6	0.09
19910417	50	42	33	32	92	4	352	1020	21.2	0.11
19910418	47	43	37	45	96	6	17	1018	14.8	0.07
19910419	45	40	32	41	100	10	22	1023	17.3	0.12
19910420	41	34	22	28	75	8	15	1025	21.7	0.12
19910421	46	37	24	21	72	4	327	1017	22.4	0.11
19910422	47	41	35	46	93	10	268	1004	14.3	0.1
19910423	46	40	32	32	89	11	313	1007	19.1	0.13
19910424	53	44	33	22	92	9	192	1014	21.7	0.18
19910425	58	50	42	38	71	13	165	1013	19.9	0.2
19910426	57	50	44	42	80	16	123	1007	15.7	0.17
19910427	59	52	46	44	93	16	167	1000	18.9	0.17
19910428	62	50	38	20	79	10	162	1007	21.8	0.21
19910429	56	54	52	41	96	12	146	995	18.2	0.1
19910430	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19911101	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19911102	17	15	11	67	86	24	280	1012	6.6	0.04
19911103	14	12	6	57	78	14	293	1024	11.4	0.04
19911104	9	8	3	57	86	9	206	1027	10.2	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19911105	23	22	18	62	91	13	225	1013	4.4	0.02
19911106	9	7	-2	44	81	13	302	1026	12.3	0.03
19911107	5	4	-2	49	85	9	229	1034	12.7	0.02
19911108	14	12	7	58	81	10	171	1029	12.3	0.03
19911109	28	26	21	65	82	11	167	1020	8.4	0.03
19911110	32	30	27e	72	91	10	1	1025	4.5	0.01
19911111	31	30	28	79	95	6	190	1025	4	0
19911112	33	31	30	82	95	10	197	1017	4.6	0
19911113	40	37	34	60	89	5	195	1009	9	0.02
19911114	35	35	35	89	100	6	73	1008	8.9	0.01
19911115	37	34	30	53	96	11	338	1021	8.8	0.03
19911116	29	27	24	64	91	6	76	1029	7.6	0.01
19911117	34	32	30	67	100	13	111	1014	3.9	0.01
19911118	40	40	38	85	100	9	189	1000	6.5	0
19911119	35	34	32	62	100	5	254	1016	7.6	0.01
19911120	35	33	30	57	100	6	197	1018	9.8	0.03
19911121	40	38	35	62	92	9	196	1010	6.4	0.02
19911122	29	27	24	68	92	12	325	1018	3.3	0.01
19911123	21	20	16	68	86	19	346	1017	3.3	0.02
19911124	16	14	6	45	74	14	325	1022	9.5	0.04
19911125	12	10	3	45	81	6	303	1027	9.1	0.01
19911126	20	18	13	55	95	11	141	1016	6.4	0.02
19911127	24	22	17	56	91	11	279	1015	9	0.03
19911128	18	17	12	61	86	4	22	1022	5.6	0
19911129	25	24	21	71	95	11	32	1010	3.4	0
19911130	17	16	11	54	91	16	306	1016	8.3	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19911201	10	7	-1	34	81	11	255	1024	8.4	0.02
19911202	8	7	1	59	82	10	106	1021	5.3	0.01
19911203	9	8	4	62	91	12	316	1015	6.5	0.01
19911204	-4	-5	-14	47	77	8	277	1027	5.1	0
19911205	6	5	1	66	85	8	98	1019	6.5	0.01
19911206	18	17	13	73	85	10	175	1010	5	0.01
19911207	36	33	29	57	92	5	176	1005	6.1	0
19911208	31	30	28	69	100	6	274	1009	4.3	0
19911209	23	22	20	75	95	6	237	1017	5	0
19911210	30	28	24e	57	95	8	211	1012	6.4	0.01
19911211	25	24	20	56	95	6	184	1019	7.2	0.01
19911212	33	31	28	69	89	6	296	1006	3.1	-0.01
19911213	26	24	20	56	91	12	229	1012	3.6	0.02
19911214	13	11	3	52	78	14	276	1021	6.9	0.02
19911215	3	2	-5	48	82	9	310	1029	7.2	0
19911216	21	19	15	68	83	6	119	1017	6.2	0
19911217	21	19	11	44	83	17	304	1024	6	0.03
19911218	3	2	-8	37	69	5	34	1039	6.9	0
19911219	15	13	7	56	79	12	146	1034	4.4	0.02
19911220	31	30	28	75	92	10	212	1027	2.5	-0.01
19911221	28	25	20	46	95	11	212	1024	6.4	0.03
19911222	31	30	27	61	95	8	228	1012	6.4	0.01
19911223	27	24	20	58	91	8	284	1019	0m	0m
19911224	26	24	20	61	95	4	227	1020	6.3	0
19911225	26	25	23	72	96	6	158	1022	6	0
19911226	30	29	27	81	100	8	322	1025	2.1	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19911227	29	28	27	87	95	6	157	1034	2.1	-0.01
19911228	28	28	27	87	100	5	169	1027	3.2	-0.01
19911229	31	30	28	78	100	3	100	1021	3.3	-0.01
19911230	30	29	28	79	100	8	123	1027	0m	0m
19911231	32	30	29	79	92	6	140	1030	2.1	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19920101	32	31	30	85	92	8	154	1026	2.1	-0.01
19920102	32	31	30	87	95	8	152	1017	2.1	-0.01
19920103	34	33	30	78	96	8	211	1015	2.1	0
19920104	34	32	29	75	87	6	108	1020	2.1	0
19920105	32	31	30	85	96	10	163	1017	2.1	-0.01
19920106	32	30	28	75	96	6	311	1017	2.1	-0.01
19920107	30	29	27	79	91	12	95	1018	2.1	0
19920108	34	33	31	82	96	10	91	1010	2.1	-0.01
19920109	21	20	16	61	92	11	308	1015	5.3	0.01
19920110	19	17	14e	65	90	8	226	1017	6	0
19920111	31	29	27	69	95	6	159	1007	6.1	0
19920112	31	30	27	75	95	9	299	1004	3.5	0
19920113	20	18	12	50	87	11	340	1014	4.5	0.01
19920114	11	9	4	49	86	6	337	1016	3.1	0
19920115	-7	-8	-18	34	68	12	308	1027	6.5	0.01
19920116	15	13	8	65	91	9	220	1009	2.5	0
19920117	8	7	-2	50	74	16	302	1020	6.5	0.02
19920118	-5	-7	-15	47	72	9	278	1032	6.7	0.01
19920119	16	14	8	59	78	11	239	1015	4.4	0.02
19920120	22	20	15	64	95	9	208	1017	6.4	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19920121	27	25	21	53	95	6	95	1013	6.6	0.01
19920122	32	30	28	66	91	9	161	1003	3.3	0
19920123	17	15	8	54	82	20	308	1005	6.4	0.04
19920124	7	5	-4	37	82	10	60	1018	6.6	0.01
19920125	13	11	6	49	86	9	331	1023	4.5	0
19920126	19	18	14	71	86	9	132	1021	4.8	0.01
19920127	22	20	16	54	87	8	323	1027	4.8	0.01
19920128	18	17	14	65	91	9	169	1026	6.9	0.01
19920129	33	32	29	67	100	10	210	1017	3.6	0
19920130	35	33	31	73	95	6	288	1015	4.1	0
19920131	32	29	25	56	100	8	46	1019	5.1	0.01
19920201	28	26	22	68	87	9	141	1021	7.4	0.01
19920202	33	31	28	64	95	5	129	1017	7.3	0.01
19920203	33	31	30	62	96	9	334	1017	5.5	0.01
19920204	27	25	21	62	95	10	322	1025	5.6	0.01
19920205	31	29	26	59	95	10	212	1013	7.8	0.02
19920206	34	30	24	58	75	17	314	1011	6.4	0.06
19920207	19	17	9	49	75	17	332	1017	5.2	0.04
19920208	9	8	-1	47	73	10	325	1025	8.3	0.01
19920209	13	12	6	48	87	10	165	1024	7.6	0.02
19920210	23	21	17e	52	87	10	296	1020	5.4	0.01
19920211	10	8	-5	30	60	10	16	1036	6.7	0.02
19920212	17	14	6	48	72	8	139	1028	5.4	0.01
19920213	28	0m	24	0m	0m	0m	0m	1015	0m	0m
19920214	29	28	25	75	85	9	103	1015	3.1	0
19920215	31	29	26	72	85	6	353	1010	3.4	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19920216	33	31	29	72	92	8	168	1016	3.2	0
19920217	36	34	32	79	92	12	101	1016	4	0.01
19920218	34	32	30	75	100	11	45	1012	4.5	0.01
19920219	33	31	27	75	85	9	324	1017	4.9	0.01
19920220	29	26	22	54	91	14	253	1016	5.6	0.04
19920221	27	25	21	65	83	6	142	1026	6.5	0.01
19920222	31	29	25	64	87	4	210	1021	3.8	0
19920223	34	31	28	67	89	8	101	1021	7.2	0.02
19920224	30	29	27	65	100	8	305	1021	6.7	0.01
19920225	22	21	16	59	82	10	281	1023	7	0.02
19920226	35	31	26	48	95	10	279	1010	9.3	0.04
19920227	38	35	30	43	92	10	266	1010	8.6	0.04
19920228	38	34	28	49	92	13	312	1007	6.7	0.04
19920229	0m	0m	0m	0m	0m	0m	0m	0m	7.5	0.01
19920301	46	41	36	50	85	4	208	1008	11.2	0.04
19920302	35	34	33	89	100	5	22	1018	6.5	0
19920303	36	35	34	85	96	9	85	1021	4.1	0
19920304	39	38	37	79	100	6	94	1018	4.1	0
19920305	42	42	41	89	100	10	68	1014	4.7	0
19920306	44	43	43	93	100	10	84	1009	4.4	0
19920307	43	42	41	86	96	5	292	1011	4.3	0
19920308	42	40	38	76	96	9	315	1015	5.6	0.01
19920309	26	23	13	37	96	17	357	1017	8.3	0.06
19920310	18	14	3e	34	58	12	341	1021	13.6	0.05
19920311	20	18	14	50	86	10	105	1015	7.6	0.01
19920312	20	17	8	37	86	8	339	1021	14.1	0.04

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19920313	21	19	16	71	91	6	186	1016	8	0.01
19920314	29	27	22	57	91	6	326	1017	10.2	0.03
19920315	25	21	10	26	91	6	199	1025	14.7	0.05
19920316	37	33	26	45	82	12	204	1011	12.7	0.08
19920317	31	26	13	29	69	12	354	1020	13.8	0.08
19920318	32	25	9	26	48	11	32	1020	14.2	0.09
19920319	34	28	16	27	78	6	291	1019	15	0.07
19920320	33	27	14	21	96	9	9	1019	15.8	0.07
19920321	26	24	20	33	91	10	42	1018	6.7	0.02
19920322	27	24	17	41	91	6	264	1017	15.7	0.06
19920323	39	34	27	38	91	5	207	1014	15.7	0.07
19920324	46	40	33	29	82	9	134	1012	16.1	0.1
19920325	39	32	20	30	70	13	288	1012	15.9	0.12
19920326	31	26	15	34	69	14	336	1018	16.9	0.11
19920327	34	29	19	34	82	6	140	1025	16.7	0.08
19920328	36	33	28	52	96	12	130	1021	8	0.04
19920329	37	35	33	70	96	9	39	1021	7.7	0.02
19920330	42	35	23	24	95	10	279	1020	16.3	0.13
19920331	35	29	17	28	63	17	320	1017	10.7	0.1
19920401	31	25	11	28	65	13	339	1021	17.6	0.12
19920402	34	28	13	27	65	8	295	1018	18.4	0.1
19920403	45	36	21	23	59	11	338	1004	15.6	0.14
19920404	40	34	22	31	62	10	53	1014	18.6	0.11
19920405	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19920406	53	46	39	42	96	11	232	1011	15.1	0.13
19920407	44	40	34	41	100	9	313	1017	18.5	0.11

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19920408	41	37	32	41	92	6	175	1018	11	0.05
19920409	45	40	35	41	100	8	266	1018	16.5	0.09
19920410	35	33	30e	38	96	17	70	1013	7.9	0.04
19920411	34	31	24	36	92	16	314	1020	15.5	0.1
19920412	28	22	6	27	58	9	3	1037	16.9	0.08
19920413	35	31	24	42	91	9	136	1029	10	0.05
19920414	42	38	33	63	82	12	97	1023	12.5	0.08
19920415	41	40	38	68	92	10	63	1017	7.4	0.03
19920416	42	40	37	65	96	11	17	1017	9.6	0.05
19920417	42	39	36	73	92	9	113	1017	8.2	0.04
19920418	48	47	45	79	96	14	120	1006	7.3	0.03
19920419	58	54	52	60	96	8	157	1000	15.7	0.08
19920420	48	47	45	86	96	11	349	1001	11.3	0.04
19920421	39	38	36	79	96	9	97	999	17.3	0.06
19920422	39	37	34	70	96	11	271	1010	8.6	0.04
19920423	39	35	30	62	82	8	279	1017	7.8	0.04
19920424	40	36	30	45	92	12	310	1019	14.8	0.1
19920425	40	36	31	53	92	12	333	1020	16.2	0.09
19920426	44	38	32	47	82	11	342	1025	12.2	0.08
19920427	45	37	24	22	75	5	132	1027	23.5	0.12
19920428	57	47	37	39	64	17	191	1013	20.2	0.22
19920429	64	53	45	31	74	9	316	1009	22.2	0.18
19920430	0m	0m	0m	0m	0m	0m	0m	0m	21.6	0.31
19921101	37	35	32	62	96	14	68	1014	4.7	0.03
19921102	33	33	32	96	96	10	0	994	2.5	-0.01
19921103	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19921104	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19921105	28	26	22	59	83	9	329	1020	4.1	0.01
19921106	26	23	17	56	91	6	37	1028	4.2	0.01
19921107	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19921108	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19921109	42	40	37	73	96	9	136	1014	5.1	0.01
19921110	0m	0m	0m	0m	0m	0m	0m	0m	4.1	0.02
19921111	36	32	28	49	91	9	210	1020	11.4	0.05
19921112	35	31	25	44	96	16	301	1010	10	0.08
19921113	28	25	18	51	72	13	293	1015	4.1	0.04
19921114	26	23	17	54	86	8	301	1024	6.4	0.02
19921115	26	22	15	44	82	4	200	1027	10.7	0.02
19921116	33	30	25	62	79	10	90	1017	4.1	0.02
19921117	32	29	25	58	87	5	359	1024	3.7	0
19921118	34	32	29	72	96	6	94	1028	3.8	0
19921119	34	33	30	67	96	11	82	1026	4.4	0.01
19921120	36	35	34	78	100	9	26	1013	3.4	0
19921121	34	32	27	58	89	12	322	1016	3.4	0.02
19921122	33	30	25	69	78	9	55	1014	3.4	0.01
19921123	31	28	24	72	79	4	78	1016	3.3	0
19921124	33	30	26	64	87	4	7	1022	3.2	0
19921125	32	29	25	64	92	12	14	1021	3	0.02
19921126	28	25	20	56	79	10	327	1021	7.1	0.03
19921127	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19921128	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19921129	26	25	23	79	95	8	275	1015	3.4	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19921130	0m	0m	0m	0m	0m	0m	0m	0m	3.4	0
19921201	32	29	25	59	91	12	247	1003	4.1	0.03
19921202	29	26	19	54	85	14	315	1015	2.9	0.04
19921203	27	26	23	65	95	6	215	1019	3	0
19921204	16	14	10	64	86	12	308	1024	6.3	0.01
19921205	10	9	5	53	86	9	226	1028	0m	0m
19921206	24	23	20	75	91	9	222	1017	2.6	0
19921207	24	22	19	71	86	6	262	1021	3.4	0
19921208	24	23	21	79	100	10	150	1020	2.6	0
19921209	33	32	30	75	100	12	156	1009	2.4	0
19921210	0m	0m	0m	0m	0m	0m	0m	0m	3.8	0.01
19921211	26	25	22	79	91	9	132	1020	2.5	0
19921212	31	29	26	67	91	12	120	1020	4.2	0.02
19921213	34	32	30	78	96	12	122	1024	2.5	0.01
19921214	33	33	32	89	96	6	156	1018	2.1	-0.01
19921215	34	33	32	82	100	6	234	1003	2.2	-0.01
19921216	27	25	21	65	91	9	316	1013	2.3	0
19921217	20	19	15	61	86	6	278	1021	5.1	0
19921218	22	21	19	83	91	9	135	1016	2.2	-0.01
19921219	14	13	7	49	91	11	267	1015	6.7	0.01
19921220	9	8	3	55	85	6	168	1021	6.5	0
19921221	26	23	18	62	83	14	240	1011	6.2	0.03
19921222	20	18	14	66	82	10	239	1013	3.1	0.01
19921223	5	4	-3	50	82	14	306	1029	6	0.01
19921224	8	7	0	51	87	14	183	1022	2.6	0.02
19921225	7	6	-2	51	91	20	286	1021	5.9	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19921226	6	4	-4	54	69	12	109	1026	3.9	0.01
19921227	24	22	18	61	91	5	99	1018	4.4	0
19921228	19	18	14	74	91	10	355	1028	2.1	0
19921229	23	22	21	91	95	5	307	1022	2.1	-0.01
19921230	15	14	13	69	95	6	288	1021	2.1	-0.01
19921231	-4	-5	-12	61	73	12	295	1034	5.2	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19930101	-6	-7	-13	58	77	4	122	1040	6.4	0
19930102	19	18	15	67	100	12	135	1021	2	0
19930103	29	28	26	67	96	5	237	1011	2	-0.01
19930104	8	0m	2	0m	0m	0m	0m	1021	5.7	0
19930105	8	7	4	64	90	4	305	1027	2.6	-0.01
19930106	2	1	-5	51	90	8	222	1026	6.2	0
19930107	2	1	-4	60	85	3	215	1023	0m	0m
19930108	3	2	-3	54	85	5	13	1030	0m	0m
19930109	11	9	2	47	77	12	28	1038	4.1	0.01
19930110	11	9	2e	55	73	8	46	1038	4.7	0
19930111	15	14	9	67	86	11	99	1031	3.1	0.01
19930112	24	23	21	83	91	13	59	1020	1.5	0
19930113	24	22	20	75	91	10	354	1020	2.7	0
19930114	16	15	12	71	91	6	259	1026	3	0
19930115	4	3	-1	60	90	5	187	1022	6.4	0
19930116	20	18	14	62	91	14	247	1012	5.7	0.02
19930117	7	5	-3	42	81	10	295	1025	6.6	0.01
19930118	10	8	0	45	81	8	163	1032	2.9	0.01
19930119	19	17	9	48	86	9	171	1035	3.9	0.01
19930120	19	17	13	61	100	9	109	1026	3.4	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19930121	31	30	29	79	100	5	214	1013	2.2	-0.01
19930122	28	26	22	65	91	8	206	1012	6.7	0.01
19930123	32	29	24	54	89	14	356	1008	2.2	0.03
19930124	13	11	6	52	86	8	271	1025	6.2	0
19930125	7	6	2	60	90	8	157	1029	7.1	0
19930126	31	28	24	64	83	18	255	1012	3.4	0.03
19930127	16	14	11	67	91	6	103	1020	2.6	-0.01
19930128	16	15	9	51	87	13	299	1021	6.5	0.02
19930129	3	2	-5	54	80	10	226	1035	7.5	0.01
19930130	26	24	19	62	82	13	229	1019	7	0.03
19930131	40	36	30	55	78	11	289	1014	6.8	0.04
19930201	32	30	26	57	95	5	224	1027	7.6	0.01
19930202	29	28	26	72	95	8	185	1025	6.8	0.01
19930203	28	27	25	75	95	4	289	1029	3.7	-0.01
19930204	24	24	23	91	100	6	228	1033	1.2	-0.02
19930205	30	30	29	85	100	5	263	1027	4.7	0
19930206	28	27	26	87	95	9	109	1023	2.8	-0.01
19930207	30	28	26	68	95	11	285	1016	2.8	0
19930208	24	22	17	65	91	6	67	1024	2.9	0
19930209	30	29	27	82	100	6	174	1018	2.9	0
19930210	29	27	25e	72	87	10	30	1024	3	0.01
19930211	21	19	13	48	78	13	56	1028	3.9	0.02
19930212	23	21	16	54	87	6	17	1020	4.5	0.01
19930213	22	20	16	65	91	8	290	1017	6.4	0.01
19930214	11	9	3	38	86	6	285	1022	7.9	0.01
19930215	6	4	-2	44	86	6	291	1027	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19930216	3	2	-8	46	65	8	310	1030	8.9	0.01
19930217	-5	-6	-15	50	68	10	267	1032	10	0.01
19930218	3	1	-6	46	76	8	239	1024	9.8	0.01
19930219	9	7	0	40	85	3	239	1018	8.2	0.01
19930220	18	16	8	47	78	5	84	1014	6.1	0.01
19930221	0m	0m	0m	0m	0m	0m	0m	0m	3.1	0
19930222	15	14	10	66	87	10	314	1015	4.3	0.01
19930223	-1	-2	-10	41	76	10	295	1026	11.1	0.02
19930224	1	0	-7	49	80	4	220	1029	11.2	0.01
19930225	10	8	-1	37	81	4	74	1028	10.1	0.01
19930226	14	12	4	34	90	3	221	1032	11.5	0.02
19930227	15	14	8	52	82	6	190	1027	0m	0m
19930228	0m	0m	0m	0m	0m	0m	0m	0m	11.3	0.02
19930301	29	27	22	57	86	5	210	1014	11.7	0.03
19930302	30	28	24	55	95	5	105	1012	10.2	0.02
19930303	37	33	26	47	81	8	51	1016	11.1	0.05
19930304	34	31	26	53	87	8	351	1020	11.7	0.04
19930305	32	30	27	62	100	5	211	1018	12.4	0.03
19930306	30	28	27	70	95	6	224	1013	9.7	0.02
19930307	37	34	30	53	95	10	276	1007	11.3	0.06
19930308	35	32	27	59	82	10	306	1015	4.5	0.02
19930309	31	29	26	62	95	6	155	1016	3	0
19930310	28	26	24e	72	95	14	323	1017	4.6	0.02
19930311	14	12	2	39	78	10	311	1029	14	0.04
19930312	12	10	3	47	82	10	303	1029	11	0.04
19930313	6	4	-8	35	65	10	321	1028	14.6	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19930314	8	6	-4	40	69	8	248	1023	14.5	0.03
19930315	23	20	13	54	85	10	139	1011	13.1	0.05
19930316	26	23	14	39	82	18	306	1018	14.2	0.08
19930317	9	6	-7	23	62	6	316	1040	15.5	0.03
19930318	16	13	4	44	83	10	145	1032	14.1	0.05
19930319	30	29	26	75	89	8	175	1023	5.3	0.01
19930320	32	29	25	59	92	5	298	1026	5.4	0.01
19930321	31	27	19	51	75	3	79	1027	8.3	0.02
19930322	32	28	22	57	79	8	61	1028	5.7	0.02
19930323	38	33	24	42	75	6	14	1022	13.5	0.06
19930324	38	34	29	55	87	4	156	1023	6.5	0.02
19930325	37	35	32	67	100	5	177	1025	5.5	0.01
19930326	41	38	35	56	92	6	166	1023	16.7	0.07
19930327	37	35	34	65	100	3	133	1020	12.8	0.03
19930328	44	39	34	40	100	4	112	1018	16.6	0.07
19930329	47	40	31	27	95	3	132	1015	16.3	0.09
19930330	45	43	40	49	96	9	45	1011	6.6	0.02
19930331	33	32	30	79	95	18	17	1012	4.8	0.02
19930401	29	24	14	29	68	14	12	1019	18.4	0.11
19930402	32	25	10	17	71	9	330	1019	18.8	0.1
19930403	37	29	14	16	87	3	285	1025	18.9	0.07
19930404	40	31	14	14	83	3	125	1026	19	0.08
19930405	40	34	23	33	64	5	115	1021	18.5	0.09
19930406	42	36	27	40	78	6	133	1020	15.9	0.08
19930407	41	40	38	55	96	8	76	1015	6.5	0.01
19930408	43	42	41	86	100	5	321	1006	7.1	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19930409	44	0m	33	0m	0m	0m	0m	1007	0m	0m
19930410	43	38	31e	41	96	9	63	1009	12.7	0.09
19930411	39	37	34	70	96	13	22	1013	6.4	0.03
19930412	39	35	28	51	78	6	29	1023	7.7	0.03
19930413	39	35	28	42	91	9	51	1020	10.7	0.07
19930414	39	37	34	65	96	14	38	1014	7	0.04
19930415	40	34	24	30	92	21	10	1009	8.5	0.15
19930416	45	35	17	18	54	13	337	1010	19.9	0.18
19930417	52	42	31	26	70	10	229	1012	20	0.17
19930418	55	49	42	35	89	10	198	1005	15.9	0.12
19930419	44	38	30	41	79	20	35	1007	8.2	0.13
19930420	44	34	15	16	56	14	358	1018	21	0.19
19930421	46	36	20	20	64	9	258	1022	22.2	0.17
19930422	51	42	31	29	75	11	167	1013	21.4	0.19
19930423	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19930424	51	47	44	66	83	12	310	997	7.6	0.06
19930425	47	40	29	26	92	9	336	1019	22.4	0.14
19930426	49	41	30	30	71	13	129	1024	20.9	0.18
19930427	54	51	48	55	93	16	166	1013	13.1	0.1
19930428	59	50	40	23	100	10	244	1016	21	0.18
19930429	53	47	40	37	93	11	275	1016	20.6	0.17
19930430	0m	0m	0m	0m	0m	0m	0m	0m	16.9	0.08
19931101	39	32	21	33	62	13	164	1018	10	0.11
19931102	43	37	29	37	92	11	236	1016	11.6	0.09
19931103	46	38	27	40	61	9	191	1006	9.6	0.08
19931104	42	38	33	53	92	11	24	1002	5.2	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19931105	27	24	21	65	89	19	346	1017	4.4	0.04
19931106	21	18	12	50	82	10	295	1021	5.1	0.02
19931107	29	26	20	59	78	11	238	1013	6.4	0.03
19931108	27	24	18	51	75	8	276	1024	4.8	0.01
19931109	34	31	28	62	92	8	242	1026	4.9	0.01
19931110	32	29	23	52	79	9	187	1024	10.9	0.04
19931111	34	32	27	58	92	9	309	1016	4	0.01
19931112	34	32	27	62	92	13	88	1014	7	0.04
19931113	38	38	36	82	96	11	334	1002	3.8	0
19931114	34	32	28	72	92	10	341	1018	5.7	0.02
19931115	33	30	27	57	96	10	216	1023	10.8	0.03
19931116	35	34	31	82	96	13	203	1022	3.6	0.01
19931117	35	31	26	41	95	8	289	1025	10.3	0.03
19931118	37	35	31	65	87	11	175	1012	0m	0m
19931119	32	27	15	26	85	19	308	1012	9.8	0.1
19931120	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19931121	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19931122	32	29	24	62	78	14	48	1022	3.7	0.03
19931123	32	30	28	75	92	13	52	1020	3.3	0.02
19931124	33e	28	19	35	78	17	68	1026	3.3	0.07
19931125	29	28	26	54	96	13	111	1023	2.9	0
19931126	11	10	7	64	91	11	227	1017	7.2	0.01
19931127	15	14	11	67	91	8	138	1012	4	0
19931128	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19931129	20	18	13	56	91	8	331	1025	5.8	0.01
19931130	0m	0m	0m	0m	0m	0m	0m	0m	6.5	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19931201	32	30	28	82	92	14	163	1019	2.7	0.01
19931202	33	31	28	66	89	10	260	1018	3.5	0.01
19931203	28	27	25	83	95	5	126	1022	2.8	-0.01
19931204	32	31	29	78	92	6	203	1014	2.7	0
19931205	32	31	30	85	96	12	163	1007	2.7	0
19931206	23	21	17	58	96	14	308	1018	7.9	0.03
19931207	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19931208	26	25	22	69	91	10	196	1014	4.4	0
19931209	34	31	28	48	87	8	199	1005	6	0.01
19931210	26	23	16e	39	85	16	334	1018	6.8	0.05
19931211	19	16	10	46	82	9	161	1025	7.2	0.02
19931212	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19931213	0m	0m	0m	0m	0m	0m	0m	0m	3.6	0.01
19931214	36	35	32	64	92	11	13	1016	2.3	0
19931215	37	34	30	55	89	10	32	1020	6.7	0.02
19931216	34	32	29	72	92	10	88	1023	4.4	0.01
19931217	33	33	32	85	96	8	147	1018	2.3	-0.01
19931218	33	31	30	78	96	9	273	1016	2	0
19931219	30	28	26	69	95	11	251	1013	2.3	0
19931220	21	19	16	71	91	11	298	1011	2.4	0
19931221	17	16	14	78	91	5	86	1011	2.4	-0.01
19931222	14	13	9	64	86	9	286	1017	3.8	0
19931223	8	6	1	63	78	11	301	1023	3.2	0.01
19931224	6	5	0	62	85	8	189	1015	4.7	0
19931225	1	0	-11	35	82	13	316	1018	6.3	0.01
19931226	-3	-4	-16	36	58	8	28	1022	5.5	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19931227	-2	-4	-14	36	65	9	326	1035	6.5	0.01
19931228	-1	-2	-10	40	76	11	213	1030	5	0.01
19931229	8	6	-3	48	75	18	306	1025	6.4	0.03
19931230	14	12	9	70	83	10	231	1018	1.9	0
19931231	30	27	23	68	87	11	132	1012	2.5	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19940101	10	9	3	49	82	10	287	1022	2.7	0.01
19940102	12	11	5	60	82	11	289	1023	2.4	0.01
19940103	0	-1	-10	48	72	14	297	1029	4.5	0.01
19940104	12	10	4	54	82	11	325	1022	2.1	0.01
19940105	4	3	-2	59	86	13	86	1019	1.6	0
19940106	8	7	3	68	82	10	309	1015	2.4	0
19940107	-8	-8	-15	59	76	12	263	1022	5.6	0.01
19940108	-4	-4	-10	59	81	6	232	1027	4	0
19940109	3	2	-2	67	82	9	148	1030	5.1	0
19940110	22	20	16e	66	78	13	218	1022	2.5	0.02
19940111	4	3	-4	56	76	9	56	1030	3	0
19940112	14	13	7	60	82	12	287	1020	4.2	0.01
19940113	-1	-2	-10	47	77	12	336	1023	5.7	0.01
19940114	-14	-15	-23	51	71	13	313	1026	6.5	0.01
19940115	-19	-19	-29	38	66	9	293	1034	6.7	0
19940116	-7	-7	-13	56	80	10	124	1022	2.3	0
19940117	-14	-14	-23	48	68	16	304	1026	6.7	0.01
19940118	-23	-23	-32	47	70	11	288	1034	6.7	0
19940119	-13	-14	-22	35	75	4	352	1033	6.2	0
19940120	-7	-8	-16	40	80	6	223	1039	6.5	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19940121	17	15	9	53	95	9	248	1028	6.5	0.01
19940122	18	17	13	56	91	6	142	1023	5.8	0.01
19940123	25	23	20	61	95	8	281	1015	6.7	0.01
19940124	19	17	10	43	86	11	42	1023	6.9	0.02
19940125	19	17	13	58	86	14	69	1026	1.9	0.01
19940126	15	13	7	64	74	14	86	1029	3.2	0.02
19940127	17	16	12	67	91	12	43	1016	2.5	0.01
19940128	21	19	16	68	91	12	339	1013	2.6	0.01
19940129	13	11	5	52	78	10	15	1024	6.5	0.01
19940130	-3	-4	-9	43	95	6	326	1034	7.5	0
19940131	-10	-11	-17	56	84	5	233	1030	5	0
19940201	3	2	-3	57	81	6	215	1023	4.9	0
19940202	4	3	-3	41	86	10	280	1014	4.5	0.01
19940203	-1	-2	-9	50	76	9	254	1019	7.8	0.01
19940204	2	0	-8	43	70	9	246	1019	8.2	0.01
19940205	11	8	0	46	73	8	261	1013	7	0.01
19940206	4	2	-6	44	85	10	332	1021	8.1	0.01
19940207	-11	-12	-23	38	57	8	358	1035	4.2	0
19940208	-4	-5	-10	61	81	9	41	1026	2.9	0
19940209	-5	-6	-12	50	85	5	270	1029	8.8	0.01
19940210	7	6	0e	62	82	12	178	1024	3.5	0.01
19940211	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940212	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940213	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940214	24	21	16	38	91	9	185	1013	9.1	0.02
19940215	24	22	17	48	91	10	294	1026	9.4	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19940216	29	26	22	54	91	9	188	1022	8.4	0.03
19940217	33	30	26	57	95	5	114	1019	9.4	0.02
19940218	41	37	31	53	85	12	152	1006	5.9	0.06
19940219	38	35	30	53	89	13	236	1006	3.4	0.03
19940220	20	18	9	41	71	11	326	1023	10	0.03
19940221	17	14	2	35	67	11	3	1034	10.4	0.04
19940222	16	13	1	35	67	14	55	1032	6.4	0.05
19940223	15	13	8	61	82	13	24	1020	2.6	0.01
19940224	16	14	6	41	82	8	73	1016	10.9	0.03
19940225	15	13	10	64	91	11	41	1020	3	0.01
19940226	8	7	1	45	90	3	264	1035	11	0.01
19940227	13	12	7	58	86	8	156	1031	4.8	0.01
19940228	0m	0m	0m	0m	0m	0m	0m	0m	5.2	0
19940301	22	20	16	53	95	5	159	1026	11.1	0.03
19940302	32	30	26	64	92	9	211	1020	10.7	0.03
19940303	39	36	32	58	95	9	253	1010	11.5	0.05
19940304	41	37	33	48	92	9	305	1011	12.2	0.06
19940305	40	38	37	68	100	4	240	1011	7.2	0.01
19940306	36	33	27	42	92	9	291	1017	5.8	0.03
19940307	28	23	11	28	79	18	292	1021	11.8	0.11
19940308	19	16	6	41	71	12	302	1027	13.3	0.05
19940309	22	19	11	31	86	5	265	1024	13.5	0.03
19940310	27	23	14e	39	75	8	326	1023	13	0.05
19940311	31	27	20	43	86	8	164	1027	11.2	0.05
19940312	36	33	27	45	91	6	310	1026	13.2	0.06
19940313	39	35	29	37	91	10	291	1020	12.7	0.07

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19940314	44	38	31	39	79	16	273	1005	10.4	0.1
19940315	36	31	19	31	82	14	332	1015	14.5	0.11
19940316	31	24	9	22	56	6	91	1022	13.8	0.06
19940317	35	30	21	41	79	13	146	1005	8.7	0.08
19940318	36	32	28	55	92	10	325	1006	6.8	0.03
19940319	38	35	30	55	87	11	126	1009	9.2	0.05
19940320	41	38	35	56	92	11	61	1007	7	0.03
19940321	43	37	28	26	100	9	245	1008	15.7	0.12
19940322	49	39	25	18	69	10	297	1005	15.2	0.14
19940323	35	31	26	53	91	16	37	1004	7	0.05
19940324	29	26	21	54	95	12	318	1018	6.2	0.03
19940325	34	28	17	23	86	6	189	1023	14.9	0.07
19940326	35	33	31	59	96	8	206	1009	5.5	0.01
19940327	36	33	29	58	89	9	314	1010	8.1	0.03
19940328	32	29	24	48	87	9	320	1017	10.3	0.04
19940329	31	28	21	38	87	8	347	1026	9.8	0.04
19940330	32	27	18	36	87	8	239	1028	17.4	0.08
19940331	43	36	25	31	65	9	264	1017	17.8	0.12
19940401	48	40	30	29	88	9	233	1013	17.9	0.13
19940402	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940403	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940404	36	32	26	38	92	11	19	1012	6.8	0.04
19940405	29	22	5	23	48	12	1	1021	18.7	0.11
19940406	32	27	16	29	83	5	212	1022	18.4	0.08
19940407	41	35	24	38	69	12	169	1022	11.4	0.11
19940408	45	39	32	41	85	16	167	1010	7.5	0.09

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19940409	42	37	30	49	73	16	284	1013	11.3	0.1
19940410	45	36	24e	20	87	6	13	1025	19.6	0.11
19940411	48	38	24	20	85	10	88	1027	19.3	0.17
19940412	43	37	28	33	96	14	56	1011	7.6	0.1
19940413	49	43	35	25	96	10	285	1001	18.1	0.13
19940414	56	46	36	27	82	6	253	1002	16.2	0.09
19940415	47	42	36	37	93	21	319	998	7.7	0.11
19940416	52	41	28	27	55	17	308	1014	20.8	0.24
19940417	56	43	28	21	62	8	264	1020	21.2	0.15
19940418	64	51	38	20	60	14	304	1009	20.3	0.28
19940419	51	39	20	17	60	16	309	1021	22.2	0.25
19940420	44	36	21	22	57	4	289	1026	11.4	0.06
19940421	50	39	22	17	73	6	32	1026	21.6	0.15
19940422	54	41	21	16	59	6	169	1023	22.7	0.15
19940423	65	52	40	31	67	19	215	1009	19.3	0.3
19940424	63	58	55	63	93	12	1	1002	9.5	0.08
19940425	51	49	48	86	93	13	51	1002	7.6	0.04
19940426	51	48	45	53	96	17	221	997	10.5	0.1
19940427	38	34	28	57	92	13	20	1022	8.4	0.06
19940428	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19940429	36	33	28	52	96	9	321	1026	11.3	0.05
19940430	0m	0m	0m	0m	0m	0m	0m	0m	11.9	0.05
19941101	43	36	26	30	78	12	134	1009	10.4	0.1
19941102	50	45	40	53	74	11	153	1004	7.6	0.06
19941103	43	38	32	57	71	13	1	1013	4.4	0.06
19941104	40	37	33	63	89	8	353	1014	6.1	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19941105	40	38	35	70	96	6	94	1014	4.3	0.01
19941106	40	36	29	34	96	8	315	1021	12.2	0.05
19941107	49	44	38	51	92	12	172	1014	10.3	0.09
19941108	45	39	30	35	100	9	347	1015	6	0.06
19941109	42	34	22	26	61	5	11	1024	11	0.05
19941110	40	34	23e	28	85	9	148	1027	9.2	0.07
19941111	43	39	35	52	85	13	176	1020	5.1	0.04
19941112	47	45	42	79	96	12	156	1014	3.8	0.02
19941113	54	51	48	73	93	18	181	1004	3.7	0.04
19941114	43	38	32	42	78	16	276	1017	8.3	0.08
19941115	34	30	24	39	95	4	235	1031	10.6	0.02
19941116	38	32	23	34	72	14	158	1020	8.1	0.09
19941117	47	42	36	52	86	20	154	1003	6.1	0.11
19941118	36	32	27	55	79	25	258	1009	3.5	0.08
19941119	32	29	22	48	83	6	210	1027	7.8	0.03
19941120	39	35	30	57	73	10	106	1012	3.7	0.03
19941121	32	30	25	59	100	19	300	1008	4.2	0.04
19941122	29	24	16	37	78	16	252	1027	9.8	0.08
19941123	32	27	20	44	83	9	216	1024	9.1	0.03
19941124	35	31	23	35	83	10	271	1016	9	0.05
19941125	30	26	18	34	91	8	315	1023	8.8	0.04
19941126	26	23	15	44	71	14	95	1023	4.1	0.04
19941127	31	29	26	57	100	19	55	999	5.6	0.04
19941128	28	27	24	65	95	16	299	997	3.9	0.02
19941129	23	21	17	62	87	9	283	1018	7.4	0.01
19941130	21	20	17	57	95	6	166	1021	8.6	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19941201	35	32	28	62	85	9	181	1010	5.3	0.02
19941202	34	32	29	60	100	5	118	1012	7.6	0.01
19941203	33	32	31	82	100	5	282	1014	2.5	-0.01
19941204	33	32	31	83	96	10	230	1020	2.3	-0.01
19941205	18	16	10	55	83	12	327	1026	5.1	0.02
19941206	14	12	5	57	67	11	10	1028	5.8	0.02
19941207	21	19	13	62	86	9	49	1029	4.2	0.01
19941208	26	24	21	62	95	8	138	1028	3.4	0
19941209	21	20	17	68	95	9	217	1023	5.2	0
19941210	14	12	7e	58	86	14	296	1023	3.8	0.01
19941211	5	4	-3	54	81	8	132	1030	7	0.01
19941212	16	14	10	60	95	6	177	1026	6.9	0
19941213	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19941214	18	18	16	82	95	11	114	1029	2.3	0
19941215	26	25	24	79	95	10	158	1022	2.3	-0.01
19941216	29	28	26	83	100	9	183	1016	2.3	-0.01
19941217	25	23	20	65	95	9	296	1017	2.7	0
19941218	15	14	10	61	90	8	151	1026	6.8	0.01
19941219	25	23	18	62	86	10	135	1017	5.2	0.01
19941220	33	30	27	64	91	6	111	1019	6	0.01
19941221	33	32	30	79	100	9	182	1024	3.7	0
19941222	34	33	30	70	100	9	251	1025	4.6	0
19941223	29	27	24	57	100	4	168	1027	6.2	0
19941224	31	28	24	59	91	8	159	1024	6.3	0.01
19941225	32	29	25	62	88	8	149	1022	4.4	0
19941226	33	31	28	67	95	8	180	1018	4.9	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19941227	34	32	30	65	100	9	254	1014	5	0.01
19941228	30	27	22	58	82	12	340	1025	5.2	0.03
19941229	26	24	20	68	82	11	125	1029	2.7	0.01
19941230	29	27	24	62	92	10	244	1024	1.8	0.01
19941231	0m	0m	0m	0m	0m	0m	0m	0m	5.7	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19950101	10	9	3	49	82	10	287	1022	2.7	0.01
19950102	12	11	5	60	82	11	289	1023	2.4	0.01
19950103	0	-1	-10	48	72	14	297	1029	4.5	0.01
19950104	-4	-5	-12	50	73	12	288	1033	4.2	0.01
19950105	15	13	7	56	75	19	206	1015	2.3	0.03
19950106	21	19	14	57	95	13	332	1008	2.1	0.01
19950107	7	5	-2	49	81	9	229	1015	6.2	0.01
19950108	9	8	0	40	81	10	281	1022	4.5	0.01
19950109	9	8	5	57	86	9	103	1027	2	0
19950110	18	17	14e	75	87	13	124	1020	2.6	0.01
19950111	29	29	28	87	100	11	139	1008	0.8	-0.01
19950112	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19950113	16	14	9	49	96	10	311	1018	4.5	0.01
19950114	22	20	16	59	87	10	320	1018	3.7	0.01
19950115	21	0m	17	0m	0m	0m	0m	1018	3.5	0
19950116	30	0m	23	0m	0m	0m	0m	1013	0m	0m
19950117	19	17	13	56	92	19	168	1010	2	0.02
19950118	21	19	13	53	86	10	242	1019	6.5	0.02
19950119	20	19	15	62	95	8	0	1019	6	0.01
19950120	17	15	10	61	86	13	0	1020	6.3	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19950121	18	0m	12	0m	0m	0m	0m	1017	4.6	0.02
19950122	16	0m	9	0m	0m	0m	0m	1016	2.8	0.01
19950123	10	9	2	55	81	8	315	1020	6.9	0.01
19950124	12	10	3	39	85	3	207	1025	4.4	0
19950125	17	14	7	35	90	4	8	1028	3.3	0
19950126	17	16	12	59	90	5	160	1024	5	0
19950127	27	24	17	47	82	10	100	1017	5.9	0.03
19950128	28	25	19	54	75	9	85	1024	2.8	0.01
19950129	22	20	16	65	82	8	297	1027	2.5	0
19950130	23	20	15	59	79	11	232	1017	5.4	0.02
19950131	34	30	26	51	91	10	268	1005	5.6	0.02
19950201	30	27	21	59	81	6	354	1009	2.6	0.01
19950202	28	25	20	49	91	5	155	1015	7.5	0.01
19950203	28	26	20	49	92	17	320	1019	4.5	0.05
19950204	14	11	1	36	74	13	356	1024	7.2	0.03
19950205	5	2	-13	23	63	8	358	1028	8	0.01
19950206	8	7	-3	23	86	2	275	1021	4.2	-0.01
19950207	11	9	-1	34	78	17	340	1023	5.5	0.03
19950208	15	12	3	37	77	9	255	1022	6.5	0.02
19950209	31	28	25	66	91	10	248	1008	3.6	0.01
19950210	0m	0m	0m	0m	0m	0m	0m	0m	6.1	0.04
19950211	-4	0m	-16	0m	0m	0m	0m	1021	0m	0m
19950212	4	2	-5	51	77	12	285	1026	9.1	0.02
19950213	3	2	-7	48	73	11	290	1027	9.1	0.02
19950214	12	11	7	55	91	10	150	1019	4	0
19950215	18	17	14	67	95	12	293	1011	6	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19950216	10	9	5	58	91	8	190	1024	5.9	0.01
19950217	30	27	21	47	95	10	204	1021	8.8	0.04
19950218	34	31	27	65	87	9	215	1015	4.8	0.01
19950219	28	25	19	54	86	6	248	1023	7.9	0.02
19950220	32	29	24	53	89	17	322	1017	6.9	0.05
19950221	25	22	15	51	83	11	144	1021	5.7	0.03
19950222	32	30	28	67	100	6	293	1013	4.7	0
19950223	31	28	22	46	100	16	311	1019	9.4	0.07
19950224	28	26	23	61	91	8	189	1025	5.5	0.01
19950225	29	27	23	65	87	17	82	1017	4	0.03
19950226	22	20	16	65	83	11	84	1023	3.9	0.02
19950227	26	23	16	46	87	13	355	1027	7.8	0.05
19950228	0m	0m	0m	0m	0m	0m	0m	0m	11.8	0.04
19950301	4	2	-7	39	73	11	325	1039	12.1	0.02
19950302	11	9	-1	30	85	8	231	1033	12.2	0.03
19950303	27	23	14	37	71	9	243	1024	12.3	0.05
19950304	27	25	21	62	91	10	53	1025	5.3	0.01
19950305	28	27	24	69	100	10	53	1018	4.2	0.01
19950306	25	24	22	75	95	11	82	1020	10.4	0.02
19950307	18	17	12	59	91	12	323	1023	11	0.04
19950308	6	5	-2	47	81	9	309	1034	13.4	0.02
19950309	13	11	5	50	85	11	146	1030	7.4	0.03
19950310	35	32	27e	57	83	12	167	1015	12	0.06
19950311	46	40	32	38	89	12	182	1012	13	0.1
19950312	53	49	46	74	90	14	171	1011	4.7	0.04
19950313	54	51	49	77	93	12	190	1017	5.1	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19950314	48	46	45	66	100	2	202	1026	5.7	0
19950315	44	41	39	51	100	3	310	1026	12.8	0.05
19950316	46	43	40	51	100	4	107	1022	8.8	0.04
19950317	48	42	35	37	82	10	345	1024	12.5	0.09
19950318	41	39	36	65	92	8	92	1020	8	0.03
19950319	40	38	35	73	96	9	122	1009	5.3	0.02
19950320	40	38	36	62	96	12	328	1000	5.3	0.02
19950321	42	36	28	39	82	11	315	1007	12.9	0.09
19950322	42	36	28	42	83	11	90	1009	10.1	0.08
19950323	42	38	32	49	89	6	16	1016	9.5	0.04
19950324	43	37	28	32	92	8	135	1021	15.8	0.11
19950325	40	35	29	41	85	14	111	1021	7.1	0.06
19950326	42	38	34	45	89	20	111	1016	6.1	0.08
19950327	37	35	33	51	92	17	92	1012	5.5	0.03
19950328	38	35	30	51	96	10	31	1021	6.7	0.03
19950329	36	33	27	51	85	8	354	1022	6.8	0.03
19950330	35	31	24	46	92	11	304	1022	10.3	0.06
19950331	33	29	21	42	69	10	290	1020	6.8	0.04
19950401	37	32	24	36	85	10	278	1014	8.4	0.06
19950402	44	37	27	31	75	12	209	1010	12.9	0.13
19950403	38	33	22	29	82	19	297	1012	13.2	0.15
19950404	16	12	-3	26	53	14	319	1026	19.3	0.08
19950405	37	31	20	33	71	11	182	1011	11.3	0.1
19950406	40	34	23	29	79	11	343	1012	17.8	0.11
19950407	36	33	28	54	85	10	102	1014	8.7	0.04
19950408	39	34	26	22	92	11	32	1013	9.7	0.07

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19950409	36	28	10	27	43	19	73	1018	11.7	0.16
19950410	34	30	21e	36	92	18	73	1021	9.1	0.09
19950411	36	34	31	72	92	12	69	1007	6.6	0.03
19950412	37	36	34	79	96	10	281	1004	6.6	0.02
19950413	47	40	30	33	89	11	311	1017	20.1	0.15
19950414	50	40	28	29	67	16	124	1017	18.8	0.22
19950415	47	38	24	17	58	18	111	1010	9.3	0.17
19950416	45	40	34	49	93	6	103	1014	6	0.03
19950417	43	39	35	56	92	9	31	1016	7.3	0.04
19950418	40	38	35	62	92	18	46	999	6.9	0.04
19950419	45	38	29	32	89	10	344	1014	21.3	0.13
19950420	41	37	31	41	89	12	90	1012	9.5	0.07
19950421	41	37	33	48	96	11	16	1011	9.5	0.05
19950422	49	40	27	24	70	10	337	1021	22.6	0.17
19950423	51	43	33	26	93	8	251	1016	20.8	0.16
19950424	47	40	32	32	93	13	6	1013	16.1	0.13
19950425	49	42	33	31	85	8	336	1014	14.9	0.11
19950426	46	39	29	30	85	10	341	1015	14.3	0.11
19950427	44	37	28	40	78	8	316	1016	13.4	0.09
19950428	52	42	31	32	79	5	39	1016	21.2	0.13
19950429	52	44	34	37	74	6	119	1019	9.7	0.07
19950430	0m	0m	0m	0m	0m	0m	0m	0m	18.8	0.15
19951101	35	34	32	79	96	10	32	1014	4.4	0.01
19951102	29	27	23	65	85	17	265	1013	4.6	0.04
19951103	25	22	17	65	79	16	288	1020	4.6	0.03
19951104	23	20	13	44	82	11	242	1026	13.2	0.04

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19951105	37	34	29	54	85	16	194	1015	4.5	0.04
19951106	38	35	30	53	96	9	283	1008	8.2	0.03
19951107	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19951108	21	18	10	39	71	9	295	1025	9.5	0.03
19951109	30	28	23	58	87	14	141	1003	9.1	0.05
19951110	29	25	17e	44	85	16	319	1009	7.8	0.07
19951111	17	14	4	37	67	12	308	1020	11.6	0.04
19951112	25	22	13	49	62	8	84	1015	5.1	0.02
19951113	26	22	14	42	83	6	322	1021	7.6	0.03
19951114	30	27	23	59	87	5	147	1022	3.6	0.01
19951115	30	28	23	65	83	8	267	1022	4	0.01
19951116	32	27	18	46	72	8	9	1021	8.1	0.04
19951117	35	30	22	54	72	8	23	1020	4.6	0.03
19951118	33	30	24	59	76	8	152	1021	3.7	0.01
19951119	34	32	28	62	88	8	162	1016	6.5	0.01
19951120	35	30	22	44	75	16	288	1016	3.8	0.06
19951121	25	20	9	31	65	12	319	1021	10	0.05
19951122	27	23	13	42	68	12	298	1014	9.3	0.06
19951123	14	12	1	35	70	10	330	1028	8.6	0.02
19951124	24	20	9	34	63	11	184	1020	4.2	0.04
19951125	30	27	20	49	79	9	26	1017	7.6	0.03
19951126	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19951127	21	19	13	53	91	17	1	1015	0m	0m
19951128	9	7	1	54	77	5	296	1025	5.3	0
19951129	16	14	9	56	82	6	147	1020	3.4	0
19951130	0m	0m	0m	0m	0m	0m	0m	0m	5.3	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19951201	28	24	17	42	79	11	323	1013	8.5	0.03
19951202	33	30	23	53	78	11	135	1009	4.5	0.03
19951203	31	28	23	53	95	12	298	1017	7.4	0.04
19951204	26	24	19	56	86	11	153	1015	3.4	0.02
19951205	0m	0m	0m	0m	0m	0m	0m	0m	8	0.07
19951206	18	14	-4	22	52	14	285	1022	7.8	0.06
19951207	15	11	-3	25	51	8	12	1026	7.8	0.02
19951208	13	11	5	45	100	17	211	1019	1	0.01
19951209	-5	-6	-16	37	68	17	297	1026	4.3	0.01
19951210	-4	-5	-18e	32	64	10	307	1032	7.3	0.01
19951211	-6	-7	-17	41	72	5	343	1033	3.1	0
19951212	2	1	-7	45	77	9	69	1032	3.2	0
19951213	19	18	14	70	87	16	131	1016	3.1	0.01
19951214	0m	0m	0m	0m	0m	0m	0m	0m	6.8	0.02
19951215	12	10	1	38	70	6	296	1027	6.7	0.01
19951216	19	16	7	45	64	9	107	1026	6.5	0.02
19951217	25	23	18	65	82	6	95	1029	4.3	0
19951218	29	26	22	65	79	11	28	1028	3.7	0.02
19951219	29	27	22	62	83	12	16	1026	3.2	0.02
19951220	18	15	9	53	78	10	340	1025	6.1	0.01
19951221	19	17	10	51	71	8	357	1024	4.9	0.01
19951222	19	18	15	71	86	8	345	1026	2.2	0
19951223	22	21	18	68	87	6	271	1024	2.3	-0.01
19951224	24	22	18	62	86	11	307	1018	2.7	0.01
19951225	18	16	10	47	78	9	311	1023	6	0.01
19951226	26	24	19	62	83	12	324	1017	2.1	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19951227	20	18	11	53	82	8	345	1030	5.5	0.01
19951228	17	15	11	59	86	9	201	1029	5.4	0.01
19951229	25	24	20	72	87	11	203	1021	2.1	0
19951230	28	27	24	72	91	5	159	1015	2.1	-0.01
19951231	31	29	27	76	91	6	93	1012	2.2	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19960101	31	29	27	76	88	8	55	1017	2	0
19960102	19	17	9	52	83	12	27	1024	5.5	0.02
19960103	6	5	-1	57	81	6	97	1016	5.8	0
19960104	12	10	3	47	74	9	15	1024	6	0.01
19960105	-2	-3	-14	42	61	8	332	1037	4.9	0
19960106	-6	-7	-17	36	71	6	326	1040	6.2	0
19960107	-4	-5	-14	40	76	5	212	1035	6.2	0
19960108	18	16	10	54	86	10	209	1013	3.8	0.01
19960109	27	24	20	51	91	11	322	1015	5.1	0.02
19960110	21	19	17e	74	91	10	130	1018	2.1	-0.01
19960111	26	24	21	72	91	6	92	1013	2.1	-0.01
19960112	31	28	24	59	91	9	241	1010	4.5	0.01
19960113	32	29	25	53	91	5	221	1007	5.8	0
19960114	21	19	12	49	87	13	337	1017	3.4	0.02
19960115	11	9	2	50	83	12	112	1027	3.5	0.01
19960116	30	29	27	78	95	11	218	1005	2.1	0
19960117	26	24	22	78	91	12	34	1004	2.2	0
19960118	8	7	1	52	92	25	349	1003	2.7	0.02
19960119	-11	-12	-21	49	72	10	313	1022	6.7	0
19960120	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19960121	16	14	10	65	86	9	158	1016	3.5	0
19960122	11	9	1	44	87	12	344	1020	4.5	0.01
19960123	1	0	-9	47	70	9	4	1019	4.2	0.01
19960124	4	3	-6	45	81	9	311	1020	7	0.01
19960125	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19960126	4	3	-4	52	82	13	7	1020	3.2	0.01
19960127	4	2	-9	29	72	12	298	1023	6.4	0.02
19960128	6	5	-1	64	82	12	119	1019	2.9	0.01
19960129	-1	-2	-9	52	91	14	292	1017	7.4	0.01
19960130	-14	-15	-24	48	71	9	293	1032	7.6	0
19960131	-12	-12	-21	45	75	9	259	1024	7	0.01
19960201	-19	-19	-28	45	70	9	303	1027	7.8	0
19960202	-24	0m	0m	0m	0m	8	286	1038	8	0
19960203	-19	-19	-29	40	66	6	285	1039	6.4	0
19960204	-9	-10	-18	45	75	8	190	1033	7.8	0.01
19960205	3	1	-8	35	73	6	301	1030	8.1	0
19960206	16	15	9	57	83	10	168	1017	0m	0m
19960207	36	33	27	55	87	9	238	1002	7.6	0.03
19960208	36	33	29	57	92	9	295	1006	8	0.02
19960209	31	30	28	67	100	6	167	1007	4.5	0
19960210	35	33	29e	61	96	17	295	1001	2.7	0.03
19960211	27	24	19	59	83	17	328	1020	3.1	0.04
19960212	22	19	12	46	75	10	315	1026	7.4	0.03
19960213	29	26	21	54	83	12	308	1007	6.7	0.03
19960214	27	24	18	54	79	14	333	1008	4.4	0.04
19960215	15	13	6	53	74	14	335	1018	6.2	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19960216	11	9	2	49	73	10	224	1020	7.8	0.02
19960217	19	16	7	39	75	13	344	1014	9.4	0.04
19960218	14	12	7	55	86	8	159	1010	5.2	0.01
19960219	31	29	24	62	82	10	161	998	0m	0m
19960220	32	28	19	38	92	11	8	1009	9.8	0.06
19960221	25	21	10	44	55	10	77	1022	8	0.04
19960222	32	30	26	56	85	13	123	1014	3.4	0.02
19960223	36	34	30	64	85	13	259	1000	4	0.03
19960224	38	33	25	42	87	9	249	1010	10.6	0.05
19960225	32	27	17	43	78	13	27	1014	0m	0m
19960226	23	20	13	48	87	16	35	1015	3.9	0.03
19960227	17	16	13	67	95	13	284	1011	3.6	0.01
19960228	6	4	-4	51	82	16	309	1027	10.6	0.03
19960229	7	5	-4	47	76	12	264	1024	11.7	0.03
19960301	16	14	6	45	75	10	267	1006	9.1	0.03
19960302	4	2	-7	42	82	18	316	1011	11.2	0.03
19960303	9	7	-3	37	72	9	255	1025	12.3	0.03
19960304	18	17	12	67	86	9	81	1021	7.2	0.01
19960305	18	16	10	50	82	13	21	1019	8.6	0.04
19960306	8	6	-6	33	82	14	4	1030	9.9	0.04
19960307	0	-2	-14	38	55	13	320	1035	13	0.03
19960308	5	4	-5	47	68	12	294	1033	11.3	0.03
19960309	15	12	3	37	85	5	238	1034	13.5	0.03
19960310	31	26	17e	39	71	13	178	1029	9.5	0.08
19960311	41	34	24	40	70	13	175	1021	8	0.09
19960312	44	38	30	44	72	11	152	1013	10.2	0.08

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19960313	45	39	33	43	82	8	219	1009	13.8	0.07
19960314	36	32	25	41	89	12	315	1016	13.6	0.07
19960315	38	33	23	35	85	11	324	1013	14.5	0.1
19960316	36	33	27	51	89	10	164	1010	12.4	0.07
19960317	35	31	24	42	96	10	272	1009	9.9	0.06
19960318	28	25	18	40	83	12	315	1015	10.3	0.05
19960319	30	26	18	27	87	17	0	1020	6	0.07
19960320	30	24	8	22	62	18	18	1026	15.4	0.14
19960321	26	20	1	20	54	11	9	1023	12.8	0.07
19960322	31	25	8	15	58	5	323	1019	16.2	0.07
19960323	33	29	21	36	85	10	92	1017	8.2	0.05
19960324	32	31	30	82	96	17	40	1006	5.4	0.02
19960325	14	12	4	38	91	24	332	1013	14.6	0.06
19960326	1	0	-14	31	60	10	270	1032	17.1	0.03
19960327	27	24	17	51	75	11	186	1028	16.2	0.07
19960328	33	29	20	37	87	6	116	1024	16.6	0.07
19960329	39	32	22	33	63	11	98	1019	15	0.11
19960330	36	33	26	54	82	13	268	1017	6.4	0.06
19960331	0m	0m	0m	0m	0m	0m	0m	0m	18.1	0.15
19960401	33	27	16	37	68	9	94	1026	11.1	0.07
19960402	40	34	25	47	67	14	72	1011	13.9	0.12
19960403	33	30	25	56	82	17	53	1010	6.4	0.06
19960404	31	27	19	45	75	13	9	1025	9.8	0.06
19960405	33	28	16	27	75	9	339	1030	17.1	0.09
19960406	33	28	18	31	83	8	347	1023	13.8	0.07
19960407	32	27	18	32	91	6	104	1020	12.6	0.04

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19960408	37	29	13	21	82	4	93	1021	19.5	0.09
19960409	40	33	19	22	79	3	247	1022	19.8	0.09
19960410	51	41	28e	25	72	11	184	1013	18.5	0.18
19960411	55	47	38	35	76	12	41	1003	14.8	0.15
19960412	34	32	29	72	92	19	31	1007	7	0.04
19960413	32	29	25	59	87	11	23	1017	8.2	0.04
19960414	33	31	26	56	96	10	56	1020	7.3	0.04
19960415	39	35	29	44	92	16	330	1011	15.8	0.12
19960416	41	34	23	27	75	11	321	1016	21.5	0.13
19960417	52	42	32	32	75	16	141	1008	21.2	0.23
19960418	54	49	44	52	93	11	229	997	10.1	0.08
19960419	53	46	40	34	92	12	279	1001	19.5	0.15
19960420	42	37	31	49	79	16	314	1007	12.4	0.1
19960421	45	39	30	29	92	10	237	1014	13.8	0.12
19960422	40	34	25	36	78	11	331	1020	11.3	0.08
19960423	45	37	27	26	92	9	219	1021	22.6	0.16
19960424	50	45	39	43	100	12	109	1008	15.5	0.13
19960425	52	46	40	43	89	20	273	988	14.5	0.17
19960426	38	31	18	27	72	17	340	1009	21.9	0.17
19960427	42	33	17	24	58	4	18	1016	16.4	0.07
19960428	48	37	20	21	72	9	56	1021	20.1	0.17
19960429	47	37	21	20	64	10	28	1017	12.2	0.13
19960430	47	36	18	19	64	12	334	1006	22.7	0.21
19961101	24	21	14	42	91	11	315	1018	8.8	0.05
19961102	25	22	15	49	78	8	295	1023	7	0.02
19961103	39	33	24	35	71	8	175	1015	13.2	0.07

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19961104	41	40	38	65	100	8	142	1012	3.3	0
19961105	43	42	41	92	100	8	137	1016	4.3	0
19961106	41	40	38	70	100	10	228	1009	4.3	0.01
19961107	37	34	29	49	92	8	251	1010	10.5	0.04
19961108	34	31	26	56	89	12	312	1016	4.4	0.03
19961109	28	25	18	51	72	14	325	1018	4	0.04
19961110	25	21	12e	46	65	11	340	1025	3.8	0.03
19961111	21	18	8	41	64	9	337	1034	5.3	0.02
19961112	17	15	7	41	82	5	331	1040	7.8	0.01
19961113	20	17	9	34	78	0m	0m	1040	9.8	-0.01
19961114	20	17	8	41	74	11	117	1037	0m	0m
19961115	31	30	28	65	100	14	146	1019	2.9	0.01
19961116	44	44	43	86	100	13	148	1009	2.5	0
19961117	27	25	21	68	93	17	245	1013	2.7	0.02
19961118	18	17	12	58	86	8	276	1024	3.8	0
19961119	20	18	13	56	78	5	31	1022	3.7	0
19961120	24	22	18	65	95	10	89	1018	7.1	0.02
19961121	25	24	21	72	95	6	319	1024	3	0
19961122	22	22	20	78	95	5	177	1024	3.3	0
19961123	22	20	17	64	95	11	16	1021	3.7	0.01
19961124	15	14	10	70	95	8	327	1029	6.8	0.01
19961125	5	4	-2	49	90	8	319	1030	8.5	0.01
19961126	2	1	-4	54	86	6	274	1037	9	0.01
19961127	8	7	3	67	95	5	183	1035	4.2	0
19961128	24	22	19	65	87	9	161	1019	5.8	0.01
19961129	32	31	28	78	100	8	142	1009	3.1	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19961130	29	28	27	79	96	10	277	1004	3	0
19961201	20	18	14	64	82	11	293	1005	1.5	0.01
19961202	11	10	6	64	90	3	280	1014	5.4	0
19961203	16	14	10	41	100	5	301	1022	4	0
19961204	19	18	16	72	95	9	137	1022	3	0
19961205	26	25	23	83	95	5	82	1006	2.4	-0.01
19961206	26	25	22	48	95	8	212	1001	4.2	0
19961207	23	22	18	64	87	10	277	1006	4.8	0.01
19961208	25	23	20	68	87	11	310	1016	2.6	0.01
19961209	24	22	18	65	91	10	171	1014	3.3	0.01
19961210	27	25	23e	75	91	8	62	1007	2.6	0
19961211	32	30	28	75	96	11	102	1011	1.9	0.01
19961212	31	30	29	78	100	8	213	1016	3.5	-0.01
19961213	22	22	21	87	100	3	212	1022	2.3	-0.02
19961214	20	19	17	82	100	9	53	1024	2.3	-0.01
19961215	19	18	15	68	95	13	319	1018	2.8	0
19961216	16	15	12	70	91	11	214	1012	1.8	0
19961217	5	4	0	70	95	5	235	1012	4.8	0
19961218	9	8	4	70	86	10	307	1013	1.2	0
19961219	1	1	-5	66	86	10	315	1020	4.9	0
19961220	0	0	-6	63	80	10	167	1017	2	0
19961221	23	21	17	64	83	10	269	1010	2.2	0.01
19961222	12	11	8	74	95	8	9	1020	2.1	0
19961223	19	18	15	75	91	12	14	1016	5.2	0.01
19961224	-3	-4	-11	55	85	13	320	1026	5.3	0.01
19961225	-13	-13	-20	54	80	5	261	1030	4.8	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19961226	-11	-12	-19	55	80	3	214	1027	6.4	0
19961227	4	3	-1	68	90	8	95	1016	2.2	0
19961228	12	11	8	67	95	4	318	1013	3.2	-0.01
19961229	7	6	0	66	77	9	358	1025	2.5	0
19961230	13	12	8	70	86	6	63	1024	2.4	0
19961231	0m	0m	0m	0m	0m	0m	0m	0m	2.1	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19970101	27	26	24	72	100	6	180	1010	4	0
19970102	33	33	32	82	100	4	223	1002	2.3	-0.02
19970103	34	33	31	82	100	6	45	1007	1.8	-0.01
19970104	32	32	31	83	100	17	44	997	1.2	0
19970105	10	9	4	66	86	17	324	1006	1.4	0.01
19970106	4	2	-6	41	77	10	300	1025	6.2	0.01
19970107	0	0	-6	59	85	5	127	1028	4.8	0
19970108	24	22	17	65	83	8	179	1018	3	0.01
19970109	24	22	19	65	100	6	121	1003	1.7	0
19970110	5	4	-1e	65	86	14	311	1007	3.4	0.01
19970111	-6	-7	-14	55	76	12	309	1022	3.9	0
19970112	-4	-5	-12	52	85	9	305	1034	3.5	0
19970113	0	-1	-6	53	85	8	278	1038	6.5	0
19970114	2	1	-3	72	90	5	170	1029	1.9	-0.01
19970115	15	13	10	63	95	14	278	1006	1.2	0
19970116	-4	-5	-15	47	73	16	304	1025	6.7	0.01
19970117	-7	-8	-19	37	71	10	283	1027	6.8	0.01
19970118	0	-2	-9	43	86	5	185	1021	2.4	0
19970119	23	22	19	65	100	6	256	1013	4.5	0
19970120	22	20	17	59	100	4	106	1017	4.6	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19970121	33	31	30	65	100	12	147	1004	2.3	0
19970122	21	20	17	71	100	13	305	1007	1.6	0
19970123	12	11	7	64	91	11	117	1022	2.8	0.01
19970124	15	14	10	63	100	11	308	1014	4.9	0.01
19970125	-4	-5	-12	47	77	12	312	1027	5.9	0.01
19970126	-5	-6	-11	61	86	6	49	1031	2.1	0
19970127	-1	-1	-7	55	86	10	312	1031	6.9	0.01
19970128	-5	-6	-14	47	71	5	266	1035	5.7	0
19970129	4	3	-5	54	85	8	82	1033	4.4	0
19970130	12	11	6	69	83	8	185	1014	5.6	0.01
19970131	30	28	25	72	91	10	273	1001	2.6	0
19970201	25	24	24	83	100	4	231	1012	2.6	-0.01
19970202	25	23	19	54	91	6	306	1022	6.5	0.01
19970203	20	19	16	71	100	5	85	1027	4.1	0
19970204	24	23	19	65	87	14	16	1021	2	0.01
19970205	25	24	21	72	91	9	314	1029	2.8	0
19970206	24	22	19	65	91	9	266	1026	5.2	0.01
19970207	25	23	18	59	91	8	352	1029	2.9	0
19970208	14	13	10	64	100	5	237	1031	8.1	0.01
19970209	17	15	12	65	95	8	221	1026	8	0.01
19970210	22	21	17e	68	82	5	312	1024	2.6	0
19970211	11	10	6	74	90	5	261	1022	2.2	0
19970212	6	5	-2	40	90	6	338	1029	9.2	0.01
19970213	14	13	9	63	91	11	178	1023	3.7	0.01
19970214	19	16	10	52	91	12	302	1018	6.6	0.03
19970215	10	8	2	45	86	5	135	1025	5.3	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19970216	10	9	2	52	86	9	82	1031	7.7	0.01
19970217	30	28	24	70	95	11	167	1014	5.3	0.02
19970218	36	34	30	62	100	9	260	1007	6.6	0.02
19970219	22	19	14	53	83	10	277	1021	9.1	0.02
19970220	35	32	29	75	91	11	210	1010	5.8	0.02
19970221	28	26	22	71	83	14	354	1014	3.4	0.02
19970222	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19970223	8	6	0	52	86	10	284	1033	11	0.02
19970224	6	5	-1	52	95	6	281	1039	10.8	0.01
19970225	25	22	17	52	86	14	228	1017	10.4	0.06
19970226	30	28	25	58	91	10	311	1007	8.1	0.03
19970227	27	25	21	63	91	9	28	1011	3.4	0.01
19970228	30	29	27	83	100	13	144	1014	4	0.01
19970301	31	30	27	72	96	11	270	1007	3.7	0.01
19970302	21	19	15	59	86	6	286	1020	11	0.02
19970303	29	27	24	65	100	11	125	1015	3.8	0.01
19970304	29	27	25	75	91	9	217	1014	2.3	0
19970305	13	12	7	58	82	8	259	1024	9.2	0.02
19970306	11	9	2	45	86	10	292	1028	13	0.03
19970307	15	13	5	45	86	5	108	1023	5.9	0.01
19970308	24	22	17	59	90	9	137	1022	11.1	0.04
19970309	36	33	27	52	89	13	278	1017	12.8	0.07
19970310	35	32	28e	55	89	6	247	1011	7.2	0.03
19970311	33	29	21	40	82	8	354	1024	11.3	0.04
19970312	30	26	17	49	72	9	82	1030	6.5	0.04
19970313	24	23	21	65	95	16	61	1022	3.2	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19970314	15	13	7	45	91	18	333	1022	7.4	0.04
19970315	5	4	-4	48	86	9	276	1031	15	0.02
19970316	23	21	16	58	86	12	167	1019	8.9	0.05
19970317	35	31	25	56	89	10	2	1019	7.9	0.04
19970318	31	26	13	32	68	9	70	1032	6.5	0.05
19970319	31	29	25	56	89	10	223	1020	8.3	0.03
19970320	36	34	31	62	100	4	203	1012	6.6	0.01
19970321	39	37	34	70	100	10	300	1006	6.4	0.03
19970322	36	33	28	64	89	10	291	1017	9.5	0.04
19970323	32	27	18	38	78	9	57	1024	12.7	0.05
19970324	30	29	26	65	100	12	126	1016	4	0.02
19970325	33	31	28	69	100	11	293	1013	4.8	0.02
19970326	39	35	30	50	92	10	234	1011	16.7	0.1
19970327	50	45	40	54	100	10	151	1003	15.9	0.11
19970328	44	41	38	63	92	11	191	996	5.9	0.03
19970329	43	39	34	52	92	8	348	1011	7.4	0.04
19970330	35	32	26	54	100	9	318	1019	6.1	0.03
19970331	40	35	29	40	95	11	153	1021	17.4	0.12
19970401	54	45	35	29	62	16	172	1017	12.8	0.18
19970402	49	44	39	46	92	9	251	1022	5.5	0.06
19970403	46	41	36	37	100	9	217	1016	17.8	0.11
19970404	55	52	51	55	100	9	159	1007	4.5	0.02
19970405	54	53	53	89	100	14	137	992	6.3	0.02
19970406	25	24	19	49	93	21	262	995	1.6	0.03
19970407	19	15	6	46	58	18	294	1021	5.5	0.06
19970408	20	16	4	31	66	12	318	1032	8.2	0.05

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19970409	27	22	9	27	78	0m	0m	1034	18.7	0.02
19970410	0m	0m	0m	0m	0m	0m	0m	0m	5.4	0.01
19970411	33	27	14	22	95	9	12	1025	13.5	0.08
19970412	38	29	10	20	54	10	6	1016	11.5	0.11
19970413	39	32	20	24	72	0m	0m	1017	19.4	0.08
19970414	43	36	26	28	83	11	192	1016	20	0.16
19970415	43	38	31	49	76	13	282	1016	8.4	0.08
19970416	34	28	18	36	65	12	340	1024	5.8	0.06
19970417	40	33	22	30	91	4	207	1023	16	0.07
19970418	46	43	39	49	100	9	206	1010	6.6	0.04
19970419	53	44	35	25	93	8	344	1008	13.7	0.1
19970420	52	44	36	32	85	6	25	1008	9.1	0.06
19970421	52	44	34	30	82	9	69	1009	14.4	0.11
19970422	48	40	28	32	64	9	54	1013	18.5	0.13
19970423	48	39	28	35	59	12	29	1014	8	0.11
19970424	47	39	29	30	82	8	14	1018	9.9	0.08
19970425	51	41	29	25	82	4	301	1023	14.2	0.08
19970426	53	44	33	27	85	4	213	1023	9	0.07
19970427	51	44	36	27	80	6	314	1013	9.2	0.07
19970428	53	45	37	27	100	6	181	1007	17.8	0.14
19970429	56	48	39	23	93	13	287	1005	12.7	0.16
19970430	41	37	31	48	86	16	8	1005	8.4	0.09
19971101	39	37	36	85	100	12	293	999	1.9	0
19971102	32	31	29	78	96	14	312	996	2.6	0.01
19971103	33	30	27	69	100	12	341	1009	3.6	0.02
19971104	32	30	26	72	82	4	125	1019	4.4	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19971105	35	34	31	82	96	6	21	1028	2.5	0
19971106	38	36	33	62	92	5	103	1030	6.2	0.01
19971107	39	37	34	65	92	10	171	1024	4.2	0.02
19971108	37	36	34	79	100	6	200	1020	4.1	0
19971109	36	34	31	59	100	10	352	1021	3	0.01
19971110	29	25	17e	42	78	9	307	1023	4.4	0.02
19971111	24	21	15	50	87	10	305	1022	4.4	0.02
19971112	21	18	10	46	82	8	223	1019	9.8	0.03
19971113	29	27	25	71	91	11	128	1009	2.3	0
19971114	31	29	26	64	100	12	47	1015	2.4	0.01
19971115	23	21	16	56	87	12	350	1022	3	0.01
19971116	14	13	8	58	90	9	242	1025	10.6	0.02
19971117	20	18	14	54	91	4	206	1019	9.5	0.01
19971118	21	19	15	62	91	8	296	1018	2.9	0
19971119	23	22	18	65	100	6	226	1017	3.5	0
19971120	25	24	22	65	100	5	18	1015	3.5	0
19971121	25	23	16	56	100	9	116	1017	6.5	0.02
19971122	25	24	20	59	92	10	276	1014	6.4	0.02
19971123	17	16	11	58	85	8	312	1022	3.2	0
19971124	18	16	13	62	100	8	162	1023	4.3	0.01
19971125	33	31	29	70	100	4	220	1009	4	0
19971126	34	31	26	54	83	9	271	1013	8.5	0.03
19971127	38	35	30	57	100	11	189	1004	3.9	0.04
19971128	32	30	28	57	100	2	268	1012	7.5	0
19971129	27	27	27	83	100	2	141	1016	6.3	-0.01
19971130	31	30	28	69	100	8	13	1017	3.9	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19971201	33	30	25	69	75	8	144	0m	2.9	0.01
19971202	33	32	30	69	100	6	158	1018	2.7	0
19971203	31	29	27	72	100	9	324	1012	2	0
19971204	25	23	19	59	82	12	318	1011	3	0.02
19971205	23	21	17	65	86	13	315	1016	2.6	0.02
19971206	28	25	21	63	87	11	313	1017	3.3	0.02
19971207	25	24	21	72	91	4	215	1019	2.6	-0.01
19971208	26	25	23	79	95	9	131	1015	2.6	0
19971209	27	26	24	83	91	9	43	1014	2.4	0
19971210	30	28	25e	75	87	10	351	1018	2.7	0.01
19971211	27	25	22	65	91	6	326	1025	1.9	0
19971212	25	23	19	58	91	10	251	1020	4	0.01
19971213	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19971214	30	27	23	45	100	6	210	1017	4.7	0.01
19971215	35	31	26	49	89	8	212	1008	5.4	0.02
19971216	35	31	25	36	92	5	291	1013	6.2	0.01
19971217	33	29	23	39	95	9	191	1013	3.7	0.03
19971218	35	33	29	53	92	4	236	1011	2.8	-0.01
19971219	33	30	26	59	85	8	328	1021	2.5	0.01
19971220	24	21	16	43	91	5	260	1026	6	0
19971221	24	22	18	58	91	9	145	1022	4.4	0.01
19971222	29	27	22	63	79	5	27	1017	3	0
19971223	28	26	23	72	91	6	226	1018	2.2	-0.01
19971224	24	23	21	72	95	8	86	1013	2.2	-0.01
19971225	25	23	20	65	91	8	319	1012	2.2	0
19971226	26	23	17	42	91	10	311	1014	3.2	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19971227	21	19	12	52	78	9	162	1012	2.3	0.01
19971228	27	25	22	71	91	9	332	1005	1.2	0
19971229	23	21	16	56	82	4	334	1009	2.2	0
19971230	22	21	16	58	95	11	350	1010	1.1	0
19971231	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19980101	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980102	36	34	32	76	92	9	188	1004	2.7	0
19980103	20	18	11	49	95	14	342	1019	2.8	0.02
19980104	22	20	14	57	91	9	65	1023	2.1	0.01
19980105	29	28	27	85	95	6	50	1017	2.1	-0.01
19980106	30	29	28	83	100	5	308	1019	1.8	-0.01
19980107	27	26	24	79	91	6	35	1023	2.1	-0.01
19980108	28	26	21	56	87	9	40	1014	4.2	0.01
19980109	12	11	5	52	91	13	294	1011	2.1	0
19980110	-2	-3	-12e	50	62	14	269	1021	5.1	0.01
19980111	2	1	-4	62	77	3	262	1025	2	-0.01
19980112	1	0	-7	42	86	9	295	1023	3	0
19980113	-7	-8	-16	47	85	5	212	1031	5	0
19980114	7	6	2	63	86	8	94	1025	1.4	0
19980115	7	7	3	74	95	5	148	1018	3.3	0
19980116	22	21	19	75	91	9	170	1011	1.1	0
19980117	15	13	9	64	100	8	277	1014	2.2	0
19980118	18	16	12	70	86	4	276	1022	2.2	-0.01
19980119	18	16	12	62	91	4	324	1021	6.1	0
19980120	16	14	11	64	95	8	70	1022	3.5	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19980121	23	21	18	71	91	13	65	1023	1.1	0.01
19980122	26	25	22	71	91	9	99	1021	1.9	0
19980123	26	24	22	72	100	5	70	1016	2	-0.01
19980124	23	21	18	65	100	4	239	1018	3.3	0
19980125	24	23	21	79	91	11	106	1015	2.4	0
19980126	25	23	21	79	95	6	92	1020	2.4	0
19980127	27	26	25	72	100	5	191	1016	3.3	0
19980128	29	28	26	82	100	4	314	1012	1.7	-0.01
19980129	21	20	19	82	100	4	309	1016	2.5	-0.01
19980130	23	22	21	79	100	8	141	1016	3.1	-0.01
19980131	31	29	27	70	100	10	201	1010	4.7	0.01
19980201	27	25	22	79	91	9	351	1011	2.6	0
19980202	25	23	20	65	91	9	285	1020	2.9	0.01
19980203	20	18	15	59	95	3	308	1029	4.9	0
19980204	15	14	12	82	91	2	237	1026	2.9	-0.01
19980205	16	15	12	65	100	3	277	1025	5.1	0
19980206	17	16	12	59	100	2	260	1024	4.8	-0.01
19980207	21	19	15	58	95	2	156	1020	5.8	0
19980208	25	23	19	59	100	5	143	1017	5.6	0.01
19980209	31	29	27	56	100	9	152	1015	5.2	0.01
19980210	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980211	31	28	24	69	83	11	341	1014	2.9	0.01
19980212	23	22	19	65	95	4	265	1016	3.6	-0.01
19980213	28	26	24	65	100	6	26	1018	2.5	0
19980214	29	28	25	65	91	9	165	1020	3.1	0.01
19980215	37	34	29	64	82	8	151	1014	4.3	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19980216	41	36	29	53	82	9	68	1016	3	0.03
19980217	39	35	31	57	82	13	60	1008	3.3	0.03
19980218	37	35	32	75	92	6	14	1009	2.9	0
19980219	37	34	31	59	92	5	11	1013	3.2	0
19980220	38	35	31	53	92	4	302	1014	3.1	0.01
19980221	34	33	31	75	100	5	211	1016	2.5	-0.01
19980222	39	37	35	76	96	11	148	1013	3.1	0.01
19980223	42	41	39	71	100	9	203	1009	3.1	0
19980224	40	37	33	40	100	5	242	1014	7.3	0.02
19980225	45	39	31	41	82	18	119	1007	3.1	0.1
19980226	46	44	41	71	100	13	133	997	3.4	0.03
19980227	36	35	35	89	100	9	233	994	3.5	-0.01
19980228	29	28	26	72	91	10	143	1003	2.4	0
19980301	30	29	27	78	100	5	62	1010	1.8	-0.01
19980302	34	32	28	64	96	12	338	1012	3.4	0.02
19980303	0m	0m	0m	0m	0m	0m	0m	0m	2	-0.01
19980304	27	24	18	53	79	8	10	1018	3	0.01
19980305	28	26	22	59	91	5	91	1022	3	0.01
19980306	26	24	21	59	100	6	250	1020	4.2	0.01
19980307	30	27	20	48	95	6	31	1022	6.4	0.03
19980308	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980309	16	12	-2	28	64	20	346	1026	11.1	0.07
19980310	11	8	-5e	29	69	12	344	1035	12.6	0.04
19980311	11	8	-5	26	65	11	322	1042	14.2	0.04
19980312	13	11	-1	21	86	12	205	1030	8	0.05
19980313	22	20	14	46	91	14	277	1014	3.9	0.04

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19980314	18	15	7	34	77	0m	0m	1029	7.5	0.02
19980315	0m	0m	0m	0m	0m	0m	0m	0m	2.5	0
19980316	26	23	18	51	91	10	132	1030	6.4	0.03
19980317	33	29	21	48	79	12	75	1021	5.9	0.06
19980318	32	30	28	75	92	14	38	1017	2.1	0.01
19980319	33	29	22	48	83	12	17	1019	7.3	0.05
19980320	33	27	15	26	82	6	21	1021	13.8	0.05
19980321	34	29	18	33	72	2	70	1018	7.2	0.02
19980322	36	32	25	48	89	4	319	1017	6.1	0.01
19980323	34	30	24	39	92	8	309	1019	5.4	0.03
19980324	33	30	26	46	100	9	174	1020	8	0.04
19980325	47	44	41	61	96	10	163	1009	9.3	0.05
19980326	57	54	52	60	100	9	183	1001	6.9	0.05
19980327	54	52	51	77	100	8	260	999	4.5	0.01
19980328	50	47	44	51	96	10	320	1001	4.6	0.03
19980329	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980330	41	39	36	70	100	14	26	1004	5.5	0.03
19980331	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980401	40	37	34	65	100	0m	0m	1000	5.5	0.02
19980402	39	36	32	62	92	6	355	1015	5.8	0.03
19980403	44	38	28	23	76	11	42	1020	8	0.09
19980404	43	36	27	35	75	4	86	1021	16.8	0.07
19980405	48	41	33	43	82	9	164	1015	11.1	0.1
19980406	54	48	42	46	96	11	145	1008	10	0.1
19980407	48	46	43	76	96	13	49	1003	5.5	0.03
19980408	45	38	30	44	79	17	23	1007	6.4	0.11

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19980409	46	36	21	24	59	12	16	1014	11.3	0.13
19980410	47	38	25e	28	76	4	243	1019	18	0.1
19980411	59	49	41	38	82	11	171	1014	18.1	0.18
19980412	63	52	42	33	66	22	171	1000	8.2	0.25
19980413	56	50	45	38	83	13	233	998	5.8	0.08
19980414	51	43	33	36	71	11	325	1009	15.4	0.13
19980415	44	38	30	36	76	16	23	1011	9	0.11
19980416	43	35	22	30	69	16	6	1012	17.9	0.17
19980417	47	38	24	24	64	8	280	1016	15.8	0.13
19980418	49	43	36	49	86	6	221	1018	8	0.05
19980419	49	45	42	54	93	8	118	1017	6.7	0.04
19980420	50	46	42	42	93	9	49	1018	4.7	0.04
19980421	54	43	29	21	86	5	338	1021	18	0.12
19980422	54	44	31	22	85	3	314	1020	22.4	0.13
19980423	58	47	34	21	82	4	261	1015	20.7	0.14
19980424	63	50	37	26	82	6	90	1010	18.7	0.16
19980425	59	50	42	37	93	14	109	1006	9.2	0.13
19980426	55	46	36	30	86	14	79	1014	13.9	0.17
19980427	51	39	21	19	53	9	91	1029	21.4	0.16
19980428	52	41	27	19	82	4	128	1027	20	0.12
19980429	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19980430	61	50	39	23	92	0m	0m	1011	23.8	0.11
19981101	47	42	37	50	92	9	46	1026	9.1	0.05
19981102	39	35	28	39	85	13	63	1026	7.4	0.06
19981103	35	31	24	48	79	12	50	1026	9.5	0.06
19981104	32	28	21	48	72	5	37	1028	7	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19981105	29	26	21	61	87	5	15	1026	5.3	0.01
19981106	30	26	18	53	65	4	356	1028	4.4	0.01
19981107	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19981108	33	32	30	69	100	3	158	1025	3.8	0
19981109	36	34	33	79	96	12	104	1015	4.1	0.01
19981110	38	36	35e	69	100	17	331	981	3	0.02
19981111	32	28	19	43	75	16	278	1015	11.4	0.08
19981112	27	23	14	38	65	5	316	1027	0m	0m
19981113	36	33	28	59	82	10	190	1015	7.2	0.03
19981114	39	35	30	63	92	12	302	1009	3.6	0.03
19981115	34	31	26	63	79	9	183	1012	4.9	0.03
19981116	37	34	30	64	89	9	13	1010	3.6	0.01
19981117	37	35	32	79	92	5	193	1019	3.4	0
19981118	41	39	37	76	93	16	136	1008	3.1	0.02
19981119	29	26	21	59	82	16	283	1013	3.6	0.04
19981120	25	23	19	65	83	8	290	1021	3.9	0
19981121	35	31	25	53	91	11	165	1014	6.8	0.05
19981122	47	42	37	51	85	9	199	1004	3.8	0.03
19981123	44	39	34	44	82	11	273	1014	9.3	0.06
19981124	40	36	30	46	95	10	164	1015	4.6	0.05
19981125	44	39	33	48	85	10	258	1008	8.9	0.05
19981126	41	36	30	40	89	4	236	1014	7.3	0.02
19981127	44	39	33	39	89	3	146	1014	5.5	0.01
19981128	44	41	39	65	100	4	128	1010	5.1	0
19981129	57	55	54	83	100	8	181	1000	2.7	0
19981130	39	36	33	70	91	12	300	1012	2.9	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19981201	47	42	37	41	92	10	206	1014	7.4	0.06
19981202	47	44	41	57	100	5	176	1008	6.2	0.01
19981203	46	43	40	51	100	3	211	1007	7.6	0.01
19981204	42	39	34	56	100	9	57	1012	3.4	0.01
19981205	45	44	44	82	100	8	284	1006	2.5	-0.01
19981206	29	26	21	63	87	8	320	1013	4.3	0.01
19981207	29	26	22	52	100	5	211	1021	7	0.01
19981208	32	28	21	39	79	6	228	1020	7.4	0.02
19981209	31	28	23	55	91	5	249	1026	2.2	0
19981210	30	27	22e	56	87	8	254	1030	7.4	0.02
19981211	35	30	21	36	79	9	230	1023	6.7	0.04
19981212	32	29	25	45	100	3	214	1023	6.6	0
19981213	37	34	29	49	91	2	108	1025	4.6	-0.01
19981214	41	36	31	46	92	13	215	1020	5.2	0.06
19981215	36	32	27	54	82	8	288	1023	4.6	0.01
19981216	29	28	25	69	91	5	293	1020	1.4	-0.01
19981217	24	23	20	71	91	9	140	1017	2.3	0
19981218	31	29	26	65	89	12	271	1005	2.2	0.01
19981219	12	10	3	60	70	12	345	1029	2.3	0.01
19981220	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19981221	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19981222	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19981223	9	8	0	49	78	10	250	1029	6.6	0.01
19981224	10	8	-1	47	66	9	233	1029	5.7	0.01
19981225	16	14	9	57	82	9	255	1019	1.6	0
19981226	10	9	3	49	91	8	188	1017	4.2	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19981227	23	21	15	56	82	9	279	1012	2.8	0.01
19981228	25	23	19	54	90	12	181	1009	2.5	0.02
19981229	7	5	-4	47	79	17	333	1022	6.4	0.02
19981230	0	-2	-10	50	69	3	121	1024	2.9	-0.01
19981231	0m	0m	0m	0m	0m	0m	0m	0m	1.6	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19990101	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990102	31	29	26	69	91	11	27	1009	2.1	0.01
19990103	7	6	-2	54	82	18	327	1018	1.7	0.02
19990104	-7	-8	-16	47	76	10	297	1028	5.8	0
19990105	-1	-2	-7	65	86	8	187	1019	1.6	0
19990106	2	1	-6	47	82	12	312	1022	6.3	0.01
19990107	-5	-6	-13	50	85	5	209	1030	4.7	0
19990108	5	4	-2	59	90	6	316	1024	1.3	0
19990109	-8	-8	-15	54	85	6	225	1025	4.8	0
19990110	-3	-4	-13e	47	77	11	300	1023	5.3	0.01
19990111	0	-1	-6	61	86	9	101	1013	1.7	0
19990112	1	0	-4	68	86	10	25	1019	3.6	0
19990113	1	-1	-7	53	80	11	92	1032	3.2	0.01
19990114	9	8	3	63	95	11	120	1024	1.3	0
19990115	17	16	13	75	91	10	164	1009	3.1	0
19990116	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990117	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990118	24	22	18	53	92	13	310	1005	2.6	0.01
19990119	13	11	5	50	85	2	157	1016	3.5	-0.01
19990120	19	18	15	68	91	4	42	1014	2.8	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19990121	28	27	25	83	95	11	80	1013	2.3	0
19990122	29	28	26	79	92	12	16	1014	1.5	0
19990123	30	28	25	75	91	11	334	1011	1.6	0
19990124	23	22	19	78	100	6	278	1020	1.9	-0.01
19990125	7	6	1	57	86	6	234	1029	7	0
19990126	22	20	16	65	91	9	118	1021	2.3	0
19990127	29	28	26	75	100	8	4	1012	2.2	-0.01
19990128	23	22	19	72	91	6	266	1024	3.1	-0.01
19990129	24	22	20	72	100	8	199	1030	6.6	0
19990130	22	21	18	65	100	4	131	1035	6.6	0
19990131	26	24	19	61	91	8	94	1030	5.7	0.01
19990201	32	31	29	75	100	9	154	1013	2.6	0
19990202	31	28	23	56	89	11	257	1005	6.2	0.03
19990203	33	31	27	64	89	10	260	997	2.8	0.01
19990204	10	8	-1	44	70	11	297	1023	7.5	0.02
19990205	30	28	23	59	91	9	170	1012	3.2	0.01
19990206	23	20	15	53	82	5	298	1018	8.2	0.01
19990207	28	26	22	64	91	10	144	1010	2.7	0.01
19990208	38	35	31	59	89	11	219	1005	4.5	0.02
19990209	35	32	26	59	82	8	249	1017	7.6	0.02
19990210	39	36	32e	59	96	13	146	1008	2.9	0.03
19990211	27	26	23	64	100	17	314	1005	2.1	0.01
19990212	16	13	6	49	71	19	304	1017	1.5	0.03
19990213	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990214	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990215	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19990216	25	24	21	68	92	12	342	1015	1.9	0.01
19990217	0m	0m	0m	0m	0m	0m	0m	0m	3.4	0
19990218	0m	0m	0m	0m	0m	0m	0m	0m	5.3	0
19990219	20	17	9	41	82	6	71	1024	6.8	0.02
19990220	24	20	11	38	78	8	51	1031	6.4	0.02
19990221	23	19	8	27	95	3	108	1035	10.5	-0.01
19990222	26	22	12	38	71	10	138	1027	4.8	0.04
19990223	28	25	16	49	72	9	125	1022	5.2	0.03
19990224	30	28	25	72	100	11	213	1016	3.5	0.01
19990225	30	28	25	69	100	6	120	1019	8.1	0.01
19990226	34	32	30	75	92	12	147	1012	4.1	0.01
19990227	36	34	32	75	100	11	261	1003	3	0.01
19990228	35	32	27	59	83	14	319	1008	5.3	0.04
19990301	34	32	29	65	100	4	132	1009	6.5	0.01
19990302	32	29	22	38	92	17	319	1012	6	0.06
19990303	23	20	11	38	78	9	330	1021	12.1	0.04
19990304	26	23	17	49	79	10	107	1018	4.2	0.02
19990305	27	25	19	54	72	13	62	1023	3.1	0.03
19990306	23	19	8	32	71	9	52	1034	11	0.04
19990307	25	21	12	41	71	10	152	1035	9.5	0.05
19990308	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
19990309	28	26	24	69	91	9	71	1020	2.4	0
19990310	26	23	16e	41	100	6	76	1028	10.2	0.03
19990311	26	22	15	43	95	4	47	1030	13.5	0.03
19990312	23	21	14	43	91	2	159	1031	12.2	0.03
19990313	28	24	15	32	95	2	143	1029	9.1	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19990314	30	25	17	35	100	3	211	1023	12.7	0.03
19990315	35	31	24	48	82	9	165	1013	12.1	0.06
19990316	40	36	33	56	100	5	126	1005	9.9	0.04
19990317	39	35	30	57	92	19	281	1004	4.6	0.07
19990318	33	29	21	46	75	12	316	1028	14.8	0.07
19990319	36	31	24	38	91	4	186	1030	15.2	0.06
19990320	40	35	27	49	75	13	296	1020	11.7	0.09
19990321	36	30	19	28	75	11	336	1023	15.6	0.09
19990322	36	29	16	28	78	5	308	1022	11.7	0.05
19990323	39	32	21	24	87	10	303	1017	14.5	0.12
19990324	34	27	13	26	65	11	357	1026	16.6	0.1
19990325	36	29	14	27	61	0m	0m	1030	16.6	0.05
19990326	40	34	24	34	79	10	174	1024	16.8	0.12
19990327	46	38	27	30	69	16	160	1016	9.6	0.15
19990328	44	39	33	44	93	16	222	1011	4.7	0.07
19990329	48	38	23	19	78	10	234	1021	17.1	0.13
19990330	55	44	33	28	69	13	185	1013	11.9	0.19
19990331	58	51	44	36	83	13	181	1002	5.2	0.09
19990401	57	52	49	62	89	10	123	1004	4.4	0.04
19990402	49	46	43	71	93	8	273	1009	6.2	0.03
19990403	46	44	42	76	100	11	50	1006	6.2	0.03
19990404	47	41	34	38	100	10	270	1013	17.1	0.1
19990405	42	40	36	62	92	16	80	1013	4.7	0.03
19990406	45	41	36	43	100	12	307	1009	11.5	0.07
19990407	56	48	39	26	82	11	257	1011	16.2	0.15
19990408	51	42	32	35	70	14	88	1008	8.8	0.15

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19990409	51	41	28	27	70	13	55	1010	12.2	0.15
19990410	42	36	28e	31	92	19	96	1009	5.8	0.1
19990411	38	37	35	73	100	10	355	1014	6.8	0.02
19990412	45	40	34	40	100	3	281	1025	19.7	0.07
19990413	52	46	41	48	85	8	150	1021	8.2	0.07
19990414	53	47	42	42	86	10	9	1015	7.5	0.06
19990415	40	39	37	82	92	17	359	1010	4.2	0.02
19990416	42	38	34	56	85	18	345	1008	9.3	0.08
19990417	41	37	32	56	82	11	325	1016	9.4	0.06
19990418	43	38	31	40	96	5	288	1018	9	0.04
19990419	48	43	37	41	96	6	344	1015	8.7	0.05
19990420	43	42	40	76	93	8	107	1012	5.9	0.01
19990421	51	47	44	57	93	12	65	1009	5.4	0.05
19990422	45	40	33	36	82	19	50	1015	4.9	0.1
19990423	48	38	22	24	59	12	41	1027	17.4	0.16
19990424	51	41	28	29	64	5	184	1030	17.8	0.11
19990425	54	45	35	33	82	5	161	1021	20.1	0.13
19990426	58	47	36	27	70	8	117	1013	12	0.12
19990427	57	46	35	35	71	10	82	1014	6.5	0.1
19990428	57	46	33	25	53	12	83	1023	20.3	0.21
19990429	57	46	34	27	76	8	81	1029	21.8	0.17
19990430	60	49	38	23	92	2	8	1028	23.9	0.12
19991101	48	41	31	37	67	19	273	0m	8.4	0.14
19991102	36	30	17	26	63	11	309	0m	13.2	0.08
19991103	38	31	19	22	79	3	146	0m	12.8	0.04
19991104	43	35	24	29	72	8	193	0m	5.2	0.06

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19991105	44	37	23	23	64	10	304	0m	10.6	0.08
19991106	41	33	19	22	69	5	147	0m	11.3	0.06
19991107	48	39	28	27	60	9	154	0m	11.4	0.09
19991108	59	50	42	27	82	10	187	0m	9	0.11
19991109	61	54	48	44	77	10	210	0m	10.6	0.09
19991110	45	42	38e	58	89	12	20	0m	3.8	0.04
19991111	41	39	36	75	92	10	155	1026	3.9	0.01
19991112	44	42	39	59	100	3	176	1021	7.2	0.01
19991113	55	46	36	28	89	11	273	1011	9.6	0.11
19991114	40	35	27	49	83	9	318	1025	9.8	0.05
19991115	40	35	27	40	89	3	117	1022	5.3	0.01
19991116	38	33	26	40	85	4	120	1024	8.8	0.03
19991117	41	35	26	35	69	9	151	1015	9.6	0.07
19991118	47	41	35	50	71	12	100	1004	9	0.08
19991119	41	37	33	51	92	12	324	1010	3.5	0.02
19991120	35	30	21	43	72	6	161	1015	6.5	0.03
19991121	46	41	35	54	93	8	180	1008	5.1	0.03
19991122	42	39	36	60	100	6	328	1017	7.4	0.02
19991123	34	33	32	75	100	13	349	1015	2.8	0
19991124	35	32	27	59	83	9	241	1021	8.1	0.03
19991125	38	34	27	49	75	12	194	1014	5.5	0.05
19991126	39	35	29	45	85	9	246	1005	4.7	0.03
19991127	33	30	24	54	79	8	289	1019	8.2	0.03
19991128	31	27	21	36	91	6	293	1032	6.7	0.02
19991129	27	24	16	41	75	5	315	1042	8.5	0.02
19991130	31	27	21	54	79	12	156	1032	4.1	0.04

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19991201	39	34	27	53	75	11	174	1016	5.2	0.04
19991202	42	37	31	53	82	8	119	1009	3.1	0.02
19991203	43	38	33	52	85	5	358	1009	7.8	0.03
19991204	36	33	30	59	96	9	321	1020	2.8	0.01
19991205	29	25	18	51	72	8	336	1021	7.4	0.03
19991206	28	26	21	56	91	8	156	1019	6.4	0.02
19991207	33	30	27	59	91	8	149	1012	4.6	0.01
19991208	36	33	28	53	96	4	227	0m	0m	0m
19991209	32	29	23	52	75	6	318	1023	5.4	0.01
19991210	27	24	18e	51	83	5	296	1025	4.9	-0.01
19991211	30	28	23	64	83	9	158	1020	3.9	0.01
19991212	33	29	23	43	95	4	194	1015	4.8	0
19991213	31	28	23	53	91	4	139	1015	6.9	0.01
19991214	30	28	25	69	91	9	132	1013	2.3	0
19991215	28	25	20	46	91	13	332	1010	2.3	0.03
19991216	9	7	-1	45	77	8	312	1019	5.3	0
19991217	15	12	2	40	70	0m	0m	1025	3.2	-0.01
19991218	22	19	12	56	82	11	165	1022	3.6	0.02
19991219	26	24	21	49	100	14	203	1012	2	0.01
19991220	2	1	-7	53	77	17	278	1018	2.3	0.01
19991221	0	-1	-8	50	81	4	247	1029	3.4	-0.01
19991222	0	-1	-8	45	81	5	282	1029	5.1	0
19991223	6	5	2	69	90	5	238	1025	1.7	-0.01
19991224	11	11	8	71	100	6	212	1031	2.1	-0.01
19991225	32	28	23	54	100	12	252	1019	6.2	0.03
19991226	23	20	9	35	91	17	309	1021	4.4	0.06

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
19991227	14	12	6	54	91	11	331	1022	5	0.01
19991228	33	30	26	69	82	12	285	1004	1.8	0.01
19991229	28	25	17	41	82	6	307	1038	5.2	0.01
19991230	32	30	26	69	91	6	292	1012	2.3	-0.01
19991231	0m	0m	0m	0m	0m	0m	0m	0m	3.8	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20000101	0m	0m	0m	0m	0m	0m	0m	0m	0m	0m
20000102	31	29	26	69	91	11	27	1009	2.1	0.01
20000103	25	23	20	72	87	10	39	1018	1.9	0
20000104	17	16	10	58	87	10	313	1020	4.7	0.01
20000105	19	18	15	64	100	11	171	1016	3.6	0.01
20000106	21	19	13	52	91	13	278	1019	2.9	0.02
20000107	12	11	6	58	95	8	181	1024	2.8	0
20000108	28	26	21	59	91	5	215	1011	5.9	0
20000109	28	27	26	82	100	6	130	1004	2	-0.01
20000110	32	31	30e	75	100	8	273	992	2.2	-0.01
20000111	16	14	8	57	83	11	307	1015	5.1	0.02
20000112	11	10	5	57	90	11	50	1022	3.9	0
20000113	12	11	7	70	90	5	288	1037	2.6	-0.01
20000114	15	14	10	65	95	9	137	1032	3.9	0.01
20000115	25	23	19	64	82	8	284	1017	3.1	0.01
20000116	12	10	1	45	77	11	35	1037	3.8	0.02
20000117	22	20	16	49	100	13	150	1027	2.1	0.01
20000118	18	16	9	50	95	10	286	1023	6.5	0.01
20000119	11	10	6	60	91	9	1	1019	2.5	0
20000120	-3	-4	-9	61	77	6	279	1025	3.4	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20000121	-2	-2	-8	59	90	5	128	1024	4.6	0
20000122	14	13	8	58	86	11	237	1013	2.9	0.01
20000123	3	2	-5	56	73	12	290	1020	6.6	0.01
20000124	9	8	3	58	86	9	257	1018	4.3	0.01
20000125	13	11	3	49	77	10	337	1026	6.3	0.02
20000126	6	4	-2	49	85	1	166	1031	7	-0.01
20000127	7	6	1	49	95	4	148	1036	6.4	0
20000128	12	10	5	53	86	5	136	1038	4.9	0
20000129	15	13	8	56	86	4	66	1035	3.2	0
20000130	17	15	8	46	90	5	308	1026	4.2	0
20000131	19	17	12	59	90	10	294	1017	6.8	0.01
20000201	23	20	15	54	91	9	311	1027	7.2	0.02
20000202	23	22	18	65	95	10	202	1014	2.8	0
20000203	28	26	21	59	87	17	315	1012	1.5	0.03
20000204	24	22	17	59	90	10	324	1027	2.7	0.01
20000205	19	17	12	49	90	4	244	1026	5.1	0
20000206	27	25	22	65	91	5	216	1022	2.4	-0.01
20000207	22	20	14	46	100	6	340	1029	7.9	0.01
20000208	24	22	18	63	90	9	205	1019	4.2	0.02
20000209	34	32	27	64	85	6	26	1014	2.8	0
20000210	23	22	19e	57	95	11	8	1016	2.4	0
20000211	8	6	-4	40	66	5	326	1028	8.7	0.01
20000212	14	12	8	60	91	6	127	1020	5.2	0
20000213	18	16	10	50	91	11	34	1017	5.2	0.02
20000214	20	18	13	59	91	5	236	1016	2.6	0
20000215	24	23	20	71	91	12	51	1012	3.1	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20000216	13	11	2	35	78	5	336	1031	4.2	0
20000217	18	17	13	52	87	9	110	1028	2.8	0
20000218	25	23	19	65	91	8	352	1024	3	0
20000219	22	20	14	59	78	10	256	1024	6.2	0.02
20000220	22	20	15	51	100	5	202	1025	7.1	0.01
20000221	32	29	26	59	95	9	137	1017	4.5	0.01
20000222	39	36	33	65	96	4	132	1012	4.9	0
20000223	42	41	41	93	100	8	94	1013	3	-0.01
20000224	43	43	42	89	100	6	87	1012	2.9	-0.02
20000225	48	47	46	77	100	14	122	1005	2.2	-0.01
20000226	43	40	37	65	96	17	218	1001	3.6	0.04
20000227	40	35	27	38	89	12	285	1017	10.7	0.07
20000228	42	37	31	49	85	13	148	1016	4.9	0.08
20000229	49	42	33	29	69	13	250	1007	8.1	0.1
20000301	39	33	24	41	72	14	320	1019	7	0.09
20000302	33	29	19	30	75	3	27	1027	10.2	0
20000303	41	35	27	32	87	6	213	1018	9.4	0.05
20000304	48	41	34	32	92	3	243	1012	7.8	0.02
20000305	54	46	38	34	85	8	152	1011	12	0.09
20000306	56	48	41	41	76	13	161	1011	4.5	0.1
20000307	60	54	49	51	86	6	206	1009	10	0.06
20000308	60	55	52	45	96	11	124	1000	3.7	0.04
20000309	27	25	19	42	100	17	14	1017	3.8	0.03
20000310	25	22	14e	42	79	5	55	1026	7	0.01
20000311	31	27	19	38	82	5	295	1024	9.6	0.03
20000312	27	24	19	46	91	6	357	1024	3.5	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20000313	30	28	24	59	100	6	251	1021	6.9	0.02
20000314	38	34	27	41	100	4	314	1016	10.1	0.04
20000315	32	28	19	29	85	12	358	1017	5	0.04
20000316	24	19	2	21	49	8	15	1030	10.4	0.03
20000317	29	24	11	27	58	12	152	1030	10.8	0.08
20000318	34	32	29	56	96	9	160	1022	2.6	0.01
20000319	34	32	30	69	96	6	89	1018	5.2	0.01
20000320	39	36	32	62	82	8	75	1017	5.1	0.02
20000321	44	41	38	70	85	3	227	1025	5.4	0.01
20000322	47	44	41	65	86	6	215	1027	6.3	0.03
20000323	54	50	46	55	100	10	134	1022	4.5	0.04
20000324	51	50	49	76	100	10	172	1009	4.3	0.01
20000325	46	39	29	30	79	17	279	1013	13.1	0.15
20000326	45	39	33	35	82	13	265	1005	7.5	0.08
20000327	39	34	28	49	82	16	311	999	4.6	0.06
20000328	39	34	24	38	75	12	351	1009	16.8	0.11
20000329	42	36	27	35	91	2	69	1016	17	0.03
20000330	48	40	29	27	82	0m	0m	1019	11.7	0.01
20000331	49	41	31	35	67	8	271	1020	9.4	0.08
20000401	48	40	28	22	85	6	238	1016	10.7	0.08
20000402	47	41	34	35	89	10	228	1006	5.2	0.06
20000403	40	35	28	41	85	16	320	1011	5.4	0.07
20000404	39	31	17	21	66	11	312	1015	17.8	0.12
20000405	50	40	27	31	57	17	238	999	11.5	0.18
20000406	43	34	17	22	64	14	314	1009	14.3	0.15
20000407	34	28	15	25	75	14	28	1019	5.6	0.09

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20000408	39	32	19	25	70	11	240	1022	14.6	0.12
20000409	44	35	21	24	64	11	325	1019	16.7	0.13
20000410	38	31	17e	27	92	10	103	1024	7.8	0.08
20000411	37	33	26	36	100	10	323	1027	5.3	0.04
20000412	35	31	24	29	100	9	128	1030	9.1	0.04
20000413	50	43	34	39	70	9	166	1016	10	0.08
20000414	49	43	37	49	82	11	16	1010	7.5	0.08
20000415	34	32	30	75	96	14	32	1018	7.2	0.03
20000416	34	33	31	75	96	13	52	1021	7	0.02
20000417	37	35	33	70	100	4	40	1020	7.2	0.01
20000418	47	43	40	67	89	6	122	1016	7.3	0.03
20000419	47	45	43	74	100	16	73	1012	6.9	0.05
20000420	38	36	33	50	96	17	20	1014	4.4	0.02
20000421	45	36	23	22	79	0m	0m	1018	22.2	0.05
20000422	58	48	38	28	82	6	146	1008	15.3	0.12
20000423	58	50	42	34	86	12	90	1011	21.4	0.18
20000424	58	47	35	26	89	4	99	1018	22.4	0.15
20000425	59	47	33	23	60	5	145	1020	22.8	0.14
20000426	62	48	34	21	65	6	200	1018	18.1	0.16
20000427	61	53	46	28	89	8	315	1014	10.2	0.08
20000428	56	47	38	27	83	14	17	1018	19	0.19
20000429	50	43	35	36	85	9	82	1023	19.4	0.09
20000430	58	51	44	35	100	9	218	1019	12.1	0.11
20001101	62	61	59	77	100	13	151	0m	2.7	0.02
20001102	50	43	36	44	86	21	228	0m	10	0.16
20001103	42	37	31	45	85	14	272	0m	7.5	0.07

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20001104	43	37	29	32	85	6	216	0m	12.4	0.06
20001105	48	43	39	43	93	13	154	0m	5.7	0.06
20001106	45	45	44	86	100	16	113	0m	2.9	0.01
20001107	38	37	35	82	100	18	177	0m	1.9	0.01
20001108	28	27	23	72	87	13	227	0m	4.2	0.02
20001109	29	28	25	75	83	9	311	0m	3.4	0.01
20001110	31	29	26e	72	83	8	298	0m	4.1	0.01
20001111	34	31	27	69	83	5	104	0m	3.9	0.01
20001112	35	34	33	82	100	10	93	0m	3.6	0
20001113	32	31	30	78	100	9	326	0m	2.4	0
20001114	27	25	22	59	91	11	288	0m	4	0.01
20001115	26	24	19	61	100	6	225	0m	7.6	0.01
20001116	26	24	21	59	100	13	333	0m	3.4	0.02
20001117	21	19	15	68	86	10	277	0m	3.3	0.01
20001118	19	18	14	62	91	9	238	0m	3.9	0.01
20001119	25	24	21	72	100	12	281	0m	3.1	0.01
20001120	17	15	9	52	82	16	316	0m	2.9	0.02
20001121	11	10	5	58	95	6	240	0m	10.2	0.01
20001122	17	15	11	58	100	5	191	0m	6.6	0
20001123	21	20	16	65	91	5	189	0m	6.2	0.01
20001124	24	23	20	69	100	5	205	0m	8.6	0.01
20001125	28	26	24	64	100	2	226	0m	6.3	0
20001126	25	25	24	91	100	3	331	0m	3.7	-0.01
20001127	29	28	27	82	100	6	259	0m	2.6	-0.01
20001128	28	27	26	83	100	6	149	0m	2.8	-0.01
20001129	32	31	28	78	92	9	328	0m	2.8	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20001130	30	28	25	69	91	6	26	0m	2.3	0
20001201	28	26	20	54	91	9	33	0m	2.8	0.02
20001202	19	17	12	56	90	4	207	0m	7.9	0.01
20001203	23	21	16	59	86	16	195	0m	6.4	0.04
20001204	25	23	18	56	91	16	293	0m	2.4	0.02
20001205	3	1	-7	41	86	10	312	0m	6.9	0.01
20001206	13	12	7	54	95	9	260	0m	1.8	0
20001207	18	16	14	64	95	9	41	0m	2.6	0
20001208	10	8	3	57	78	8	288	0m	5.5	0.01
20001209	19	18	15	70	100	8	160	0m	2.6	0
20001210	3	2	-6e	47	91	11	326	0m	5.1	0.01
20001211	-2	-3	-10	61	77	11	342	0m	3.7	0.01
20001212	-5	-6	-12	55	76	6	258	0m	6.7	0
20001213	4	3	-1	69	90	8	133	0m	2.5	0
20001214	4	4	0	70	100	5	164	0m	4.1	0
20001215	14	13	10	71	95	10	140	0m	2	0
20001216	13	12	9	65	100	13	307	0m	1.8	0
20001217	-2	-3	-10	59	77	9	290	0m	5.6	0
20001218	5	4	1	73	95	8	353	0m	5.1	0
20001219	3	2	-3	60	86	8	313	0m	5.5	0
20001220	7	6	1	70	86	11	191	0m	2.1	0
20001221	-3	-4	-11	55	77	14	291	0m	3	0.01
20001222	-5	-6	-11	62	85	5	259	0m	3	0
20001223	2	1	-3	59	86	8	315	0m	3.7	0
20001224	-5	-6	-13	53	80	6	309	0m	6.6	0
20001225	-3	-4	-8	66	86	4	200	0m	2.6	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20001226	9	8	3	57	82	8	295	0m	2	0
20001227	7	6	-1	57	73	5	88	0m	2.6	0
20001228	8	7	4	73	90	12	98	0m	4.8	0
20001229	13	11	7	70	90	9	349	0m	1	0
20001230	10	9	5	77	90	8	321	0m	1.7	0
20001231	0m	0m	0m	0m	0m	0m	0m	0m	1.5	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20010101	9	9	4	64	90	5	288	0m	5.9	0
20010102	9	8	5	64	100	10	209	0m	6.2	0.01
20010103	24	22	20	71	91	10	311	0m	2.2	0
20010104	29	27	24	69	100	12	239	0m	2.9	0.01
20010105	27	24	17	46	82	13	301	0m	5.7	0.03
20010106	29	27	23	71	91	11	274	0m	2.1	0.01
20010107	20	18	13	64	79	10	332	0m	3.9	0.01
20010108	18	17	12	58	91	5	352	0m	4.8	0
20010109	0m	0m	0m	0m	0m	0m	0m	0m	6.2	0.01
20010110	31	29	25e	69	91	10	205	0m	5	0.01
20010111	30	30	29	89	100	6	130	0m	2.3	-0.01
20010112	29	29	27	83	100	6	223	0m	2.1	-0.01
20010113	30	29	28	89	100	10	106	0m	2.1	-0.01
20010114	33	32	31	89	100	9	51	0m	1.2	-0.01
20010115	29	27	25	75	100	11	311	0m	2	0
20010116	17	15	11	64	95	9	301	0m	2.8	0
20010117	13	12	7	63	86	9	231	0m	5.5	0
20010118	22	21	17	64	91	10	298	0m	1.9	0.01
20010119	4	3	-2	60	85	9	344	0m	6.7	0
20010120	4	3	-2	52	86	5	187	0m	6.1	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20010121	8	7	4	67	90	4	230	0m	4.2	-0.01
20010122	17	16	12	65	90	9	196	0m	4.5	0
20010123	21	20	17	59	100	6	264	0m	5.5	0
20010124	15	13	8	58	86	10	315	0m	6.9	0.01
20010125	11	9	2	43	86	10	189	0m	6.3	0.02
20010126	21	19	16	64	100	11	337	0m	2.5	0.01
20010127	13	12	8	63	95	9	244	0m	5.9	0.01
20010128	15	14	13	78	100	4	213	0m	2.5	-0.01
20010129	23	22	21	82	100	10	68	0m	1.9	-0.01
20010130	32	31	30	75	96	8	208	0m	2.4	-0.01
20010131	24	23	20	59	92	12	292	0m	4.7	0.01
20010201	1	0	-7	55	86	14	295	0m	7.7	0.01
20010202	-5	-6	-11	62	85	8	237	0m	4.5	0
20010203	14	13	10	77	91	8	152	0m	2	0
20010204	22	20	18	75	91	9	339	0m	1.9	0
20010205	21	20	19	83	100	4	183	0m	2.4	-0.01
20010206	20	19	17	65	100	6	270	0m	4.9	0
20010207	19	19	17	82	95	8	80	0m	5.3	0
20010208	25	24	22	79	95	10	28	0m	2.8	0
20010209	15	13	8	55	91	16	336	0m	6.6	0.02
20010210	0	-2	-10e	48	76	5	304	0m	5.2	0
20010211	8	6	-2	45	77	11	125	0m	3.9	0.02
20010212	20	19	17	64	100	8	213	0m	2.7	0
20010213	19	18	17	82	100	5	212	0m	3	-0.01
20010214	8	7	1	57	90	9	336	0m	5.4	0.01
20010215	7	6	1	60	95	4	238	0m	6.9	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20010216	7	6	-1	60	86	13	296	0m	9.6	0.02
20010217	-1	-2	-9	50	80	8	273	0m	9.7	0.01
20010218	11	10	5	65	90	9	192	0m	5.1	0.01
20010219	23	21	17	59	100	10	287	0m	6.3	0.02
20010220	7	6	-2	42	86	12	298	0m	10.3	0.03
20010221	1	0	-10	37	80	6	209	0m	9.4	0.01
20010222	15	13	8	58	82	13	262	0m	3.6	0.02
20010223	12	11	5	52	95	9	113	0m	7.5	0.01
20010224	27	27	25	71	100	12	99	0m	3.7	0
20010225	24	23	20	68	100	16	307	0m	3.9	0.01
20010226	11	10	4	55	86	9	296	0m	10.1	0.02
20010227	4	2	-7	37	86	10	303	0m	10.5	0.02
20010228	9	8	2	56	82	9	232	0m	6.6	0.01
20010301	23	21	18	65	100	8	227	0m	7.1	0.01
20010302	28	26	23	64	100	6	268	0m	7.7	0.02
20010303	27	25	21	57	100	5	348	0m	10.8	0.03
20010304	22	19	11	44	82	10	347	0m	12.4	0.04
20010305	21	18	9	41	74	9	347	0m	12.7	0.04
20010306	23	20	12	38	86	5	298	0m	11.2	0.03
20010307	26	24	21	69	95	9	284	0m	3.8	0.01
20010308	27	24	18	57	86	12	318	0m	4.1	0.03
20010309	20	19	16	65	95	6	234	0m	12.2	0.02
20010310	27	25	21e	48	91	8	309	0m	4.6	0.01
20010311	23	19	10	46	72	6	71	0m	11.8	0.04
20010312	27	26	25	72	100	10	49	0m	6	0.01
20010313	29	27	25	69	100	9	297	0m	5.3	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20010314	37	34	30	53	95	4	33	0m	8.1	0.02
20010315	35	31	22	48	72	10	36	0m	9.3	0.06
20010316	32	27	19	49	68	8	24	0m	8.6	0.04
20010317	30	26	20	42	91	3	299	0m	14.9	0.03
20010318	28	26	22	64	100	6	164	0m	9.2	0.03
20010319	32	30	27	72	85	8	170	0m	5	0.01
20010320	37	34	30	55	92	9	193	0m	7.4	0.04
20010321	37	34	30	45	100	4	162	0m	11.3	0.04
20010322	33	32	30	75	100	8	299	0m	4.9	0.01
20010323	27	24	16	43	91	12	311	0m	9.3	0.06
20010324	16	14	5	45	64	16	311	0m	10.6	0.05
20010325	15	13	3	44	66	14	319	0m	13.1	0.05
20010326	20	17	9	44	78	10	314	0m	16.6	0.05
20010327	25	22	15	36	91	6	208	0m	16.9	0.06
20010328	32	30	25	54	92	10	141	0m	5.6	0.03
20010329	36	35	34	78	100	9	123	0m	5.9	0.01
20010330	37	36	35	82	100	6	147	0m	4.8	0
20010331	36	33	29	44	100	11	298	0m	5.6	0.03
20010401	34	30	22	33	87	6	240	0m	13.6	0.06
20010402	38	34	29	48	100	6	5	0m	10.9	0.05
20010403	39	34	27	45	85	10	82	0m	8.6	0.06
20010404	45	39	32	46	78	11	127	0m	11	0.09
20010405	44	41	38	55	100	8	121	0m	4.6	0.02
20010406	45	42	40	56	100	11	70	0m	5.6	0.03
20010407	46	44	43	62	100	24	208	0m	5.4	0.04
20010408	44	40	34	46	89	12	339	0m	12.4	0.08

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20010409	43	39	34	58	79	10	77	0m	8.2	0.05
20010410	47	43	40e	59	100	10	111	0m	7.3	0.04
20010411	49	48	47	86	100	13	98	0m	6.5	0.02
20010412	44	41	38	65	100	16	309	0m	4.1	0.04
20010413	45	41	36	39	92	10	217	0m	13.4	0.09
20010414	52	44	35	28	96	9	232	0m	15.6	0.13
20010415	42	38	33	46	100	17	291	0m	7.6	0.09
20010416	30	26	18	49	87	19	320	0m	4	0.07
20010417	39	31	16	22	65	9	337	0m	21.8	0.12
20010418	45	37	26	28	79	6	179	0m	16.1	0.1
20010419	54	46	37	40	80	13	143	0m	9.6	0.13
20010420	61	55	50	50	90	11	133	0m	12.1	0.11
20010421	52	49	47	64	100	12	336	0m	7.4	0.04
20010422	42	41	40	82	100	12	50	0m	5.9	0.02
20010423	40	39	37	65	100	12	335	0m	5.2	0.02
20010424	48	43	37	41	92	8	232	0m	12.8	0.09
20010425	57	48	40	28	100	9	213	0m	17.6	0.15
20010426	65	51	37	20	61	11	298	0m	19	0.22
20010427	61	48	34	21	71	4	82	0m	18.8	0.14
20010428	65	52	39	27	50	16	138	0m	13.5	0.24
20010429	73	58	47	28	62	19	187	0m	20.5	0.35
20010430	65	59	54	37	93	13	208	0m	6.5	0.1
20011101	58	49	39	22	74	12	251	0m	9	0.12
20011102	49	40	28	30	55	10	277	0m	13.4	0.11
20011103	50	41	31	28	75	4	257	0m	12.2	0.07
20011104	47	40	30	24	89	2	134	0m	9	0.02

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20011105	56	46	36	28	66	10	178 0m		11.2	0.11
20011106	58	53	49	55	89	5	215 0m		11.3	0.05
20011107	53	50	46	56	89	10	62 0m		6	0.04
20011108	41	36	29	47	89	14	319 0m		9.6	0.08
20011109	45	37	27	35	69	9	223 0m		9	0.06
20011110	47	40 29e		38	70	9	346 0m		10.5	0.07
20011111	43	39	32	45	85	6	153 0m		10.2	0.05
20011112	50	44	37	42	82	9	164 0m		8.6	0.07
20011113	55	53	52	77	100	6	211 0m		4.3	0.01
20011114	58	57	55	80	100	5	183 0m		2.4	0
20011115	52	49	47	51	100	4	242 0m		7.4	0.02
20011116	52	49	47	62	100	4	137 0m		8.5	0.03
20011117	59	54	49	56	93	8	200 0m		9.1	0.06
20011118	52	49	45	59	96	12	272 0m		2	0.03
20011119	35	30	22	41	72	11	310 0m		10.2	0.05
20011120	37	32	25	41	83	5	199 0m		2.6	0.01
20011121	45	38	30	33	78	2	224 0m		8.9	0.01
20011122	44	40	36	52	92	6	142 0m		5.2	0.01
20011123	48	44	39	63	93	5	91 0m		5.5	0.02
20011124	49	48	48	93	100	8	37 0m		2.2	-0.01
20011125	36	33	28	58	96	13	319 0m		3.1	0.03
20011126	33	31	29	69	92	14	62 0m		2	0.01
20011127	33	31	30	85	100	13	42 0m		2.2	0.01
20011128	31	29	27	79	96	8	62 0m		2.7	0
20011129	31	30	28	78	100	3	166 0m		2.3	-0.01
20011130	34	32	29	78	92	4	178 0m		2.9	-0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20011201	28	27	23	65	95	9	255	0m	3	0
20011202	35	33	30	60	100	8	175	0m	4.9	0.01
20011203	38	35	32	62	100	4	158	0m	3.9	0
20011204	45	44	43	79	100	3	164	0m	2.7	-0.01
20011205	48	46	43	61	100	16	233	0m	1.7	0.02
20011206	36	32	25	48	75	5	288	0m	5.3	0.01
20011207	30	28	25	68	100	6	119	0m	2.8	0
20011208	26	24	20	53	100	9	292	0m	5.5	0.01
20011209	35	31	23	49	86	10	174	0m	7.3	0.04
20011210	36	33	27e	57	87	5	298	0m	5.7	0.01
20011211	37	33	28	47	95	14	148	0m	5.5	0.05
20011212	36	33	30	64	96	8	267	0m	2.1	0
20011213	25	23	19	68	87	9	280	0m	2.5	0.01
20011214	27	26	25	83	100	11	140	0m	2.4	0
20011215	39	37	34	70	91	14	156	0m	2.4	0.02
20011216	40	38	35	78	93	11	220	0m	2.1	0.01
20011217	35	32	27	53	87	4	248	0m	6.7	0.01
20011218	35	32	27	59	81	9	303	0m	2.8	0.01
20011219	29	24	11	29	65	11	306	0m	6.7	0.05
20011220	28	24	17	35	95	0	333	0m	5.2	-0.01
20011221	28	24	16	51	71	11	125	0m	2.8	0.03
20011222	31	29	26	61	100	9	221	0m	1.9	0
20011223	19	18	13	55	95	14	307	0m	2.7	0.01
20011224	13	11	4	47	78	14	324	0m	4.4	0.02
20011225	12	11	4	52	81	9	316	0m	3.4	0.01
20011226	15	14	9	66	95	8	307	0m	2	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20011227	19	17	12	58	86	11	299	0m	1.8	0.01
20011228	14	12	6	57	86	12	328	0m	2.2	0.01
20011229	9	7	1	57	86	10	310	0m	3	0
20011230	12	10	4	52	86	12	311	0m	2.6	0.01
20011231	7	5	-4	35	77	9	298	0m	4.6	0.01

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20020101	11	10	5	64	86	8	339	0m	2.4	0
20020102	8	7	2	52	95	4	249	0m	6	0
20020103	15	13	7	48	90	9	192	0m	4.1	0.01
20020104	26	23	19	59	86	6	241	0m	4	0
20020105	30	28	26	75	100	6	279	0m	3	0
20020106	20	18	11	57	87	11	346	0m	2	0.01
20020107	17	15	9	44	90	6	204	0m	4.7	0.01
20020108	37	34	30	65	87	8	243	0m	3.4	0.01
20020109	41	38	33	53	89	10	268	0m	5.2	0.02
20020110	35	32	28e	64	92	11	299	0m	1.5	0.01
20020111	34	32	28	60	95	8	259	0m	6	0.01
20020112	34	30	24	48	87	11	304	0m	6.2	0.03
20020113	31	29	25	58	91	13	95	0m	2.1	0.02
20020114	29	28	26	87	100	10	6	0m	1.8	-0.01
20020115	24	22	18	65	91	10	299	0m	2.6	0.01
20020116	17	16	13	71	86	6	257	0m	1.2	-0.01
20020117	16	15	10	57	91	9	290	0m	5.2	0.01
20020118	6	4	-3	56	73	6	246	0m	6.6	0
20020119	22	20	16	57	95	11	246	0m	4.5	0.02
20020120	24	22	18	64	87	6	170	0m	3.1	0

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20020121	24	23	20	71	95	5	222	0m	2.8	-0.01
20020122	36	32	25	44	75	8	186	0m	3.9	0.02
20020123	27	25	21	65	87	11	328	0m	2.3	0.01
20020124	22	19	13	49	86	8	249	0m	5.3	0.01
20020125	38	32	23	45	67	10	229	0m	4.5	0.04
20020126	37	33	26	45	79	4	151	0m	4.3	0.01
20020127	31	29	27	72	95	6	311	0m	3.4	-0.01
20020128	21	20	18	75	100	12	14	0m	2.5	0
20020129	19	17	14	71	95	9	28	0m	2.4	0
20020130	18	16	11	64	86	5	344	0m	4.5	0
20020131	23	22	18	68	91	8	20	0m	2.3	0
20020201	20	18	13	48	95	8	293	0m	7.6	0.01
20020202	20	19	15	59	86	9	233	0m	2.6	0
20020203	19	17	12	52	91	11	324	0m	3.9	0.01
20020204	11	9	1	40	86	6	226	0m	8	0.01
20020205	21	18	13	51	86	4	220	0m	6.6	0
20020206	31	28	23	54	91	9	226	0m	7.9	0.03
20020207	36	33	28	57	87	8	228	0m	7	0.02
20020208	39	34	28	49	81	5	129	0m	6.3	0.03
20020209	36	34	31	75	92	16	60	0m	3.1	0.02
20020210	28	25	17e	38	87	13	352	0m	7.8	0.04
20020211	32	28	21	43	86	16	228	0m	3.8	0.06
20020212	29	25	15	33	87	16	309	0m	8.4	0.07
20020213	31	26	17	33	79	11	228	0m	8.8	0.07
20020214	40	34	25	41	69	12	221	0m	3.3	0.05
20020215	38	33	25	48	75	12	295	0m	6.1	0.06

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20020216	37	32	25	48	72	12	315	0m	2.9	0.04
20020217	33	29	22	44	91	10	163	0m	8.7	0.05
20020218	42	37	29	44	85	11	167	0m	4.2	0.05
20020219	39	39	38	92	100	10	61	0m	3.3	0
20020220	30	29	28	79	100	13	3	0m	1.8	0
20020221	27	24	18	43	95	10	0	0m	8.3	0.03
20020222	28	25	21	58	100	5	156	0m	6	0.02
20020223	42	37	30	46	75	9	191	0m	4.8	0.03
20020224	32	29	26	68	87	16	18	0m	3.5	0.03
20020225	19	17	11	52	86	14	335	0m	4.4	0.03
20020226	15	14	7	47	86	16	325	0m	2.8	0.02
20020227	14	11	1	35	77	8	298	0m	10	0.02
20020228	19	16	7	41	86	12	305	0m	9.6	0.04
20020301	10	7	-8	29	56	9	16	0m	8.1	0.02
20020302	14	10	-8	21	54	14	358	0m	8.8	0.06
20020303	2	0	-17	23	53	13	329	0m	12.5	0.04
20020304	11	9	1	49	71	6	187	0m	0m	0m
20020305	20	18	15	67	91	5	79	0m	3.5	0
20020306	20	18	12	40	95	10	14	0m	3.9	0.01
20020307	22	19	10	40	100	11	66	0m	3.8	0.02
20020308	27	25	23	75	91	9	31	0m	4.5	0.01
20020309	19	18	15	63	100	14	303	0m	4.2	0.01
20020310	12	10	1e	42	70	10	278	0m	9.7	0.02
20020311	24	22	15	57	74	6	41	0m	9.3	0.02
20020312	34	30	25	51	95	10	187	0m	7.6	0.04
20020313	35	31	25	49	92	9	337	0m	7	0.03

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20020314	30	27	23	56	95	14	50	0m	4.7	0.02
20020315	27	25	20	54	91	10	354	0m	12.2	0.04
20020316	27	23	17	40	95	4	123	0m	14.7	0.04
20020317	34	30	23	54	92	9	109	0m	4.2	0.03
20020318	34	32	29	69	100	3	162	0m	6.1	0.01
20020319	34	31	28	54	92	6	7	0m	4.9	0.01
20020320	26	23	15	43	87	9	358	0m	7.3	0.02
20020321	11	9	0	47	78	18	303	0m	12.1	0.05
20020322	16	14	4	42	63	13	271	0m	15.8	0.06
20020323	26	22	12	42	71	8	290	0m	12	0.05
20020324	23	19	7	29	65	13	35	0m	11.9	0.07
20020325	21	17	4	32	55	11	61	0m	16.8	0.07
20020326	28	24	14	35	74	3	14	0m	16	0.04
20020327	40	33	23	37	68	12	150	0m	15.2	0.13
20020328	45	38	29	34	76	14	238	0m	10.9	0.12
20020329	42	37	29	37	85	10	266	0m	13.3	0.1
20020330	38	33	24	38	92	13	272	0m	7.2	0.07
20020331	30	27	20	51	81	11	295	0m	5.9	0.04
20020401	27	25	22	65	91	9	114	0m	12	0.03
20020402	30	28	26	65	100	11	336	0m	2.4	0.01
20020403	25	22	14	46	71	11	317	0m	7	0.04
20020404	27	24	15	42	71	4	281	0m	11.2	0.03
20020405	29	25	17	40	91	3	325	0m	15.5	0.05
20020406	37	31	23	45	75	13	158	0m	12.2	0.11
20020407	50	45	39	42	93	9	201	0m	5.7	0.05
20020408	45	42	37	46	100	9	3	0m	8.2	0.06

yyyymmdd	Air Temp (F)	WetB Temp (F)	DewP Temp (F)	Min RelH (per)	Max RelH (per)	Wind Speed (mph)	Wind Direc (deg)	SeaLev Press (mb)	Solar Radiat (MJ/sq m)	Pot Evap (in)
20020409	43	37	28	36	79	8	218	0m	19.7	0.1
20020410	49	46	44e	54	100	10	108	0m	3.8	0.02
20020411	44	44	43	86	100	5	331	0m	4.7	0
20020412	52	47	43	44	100	4	246	0m	14.2	0.07
20020413	54	49	46	46	96	8	159	0m	11.2	0.07
20020414	63	55	48	35	90	10	231	0m	14.5	0.14
20020415	74	61	54	29	71	12	184	0m	13.5	0.19
20020416	76	66	61	48	78	19	189	0m	7.1	0.18
20020417	59	50	42	32	87	12	269	0m	20.6	0.16
20020418	66	57	51	36	77	16	330	0m	19	0.23
20020419	44	39	31	39	89	12	0	0m	11.7	0.1
20020420	44	35	21	29	64	12	40	0m	15	0.14
20020421	35	32	29	38	92	10	66	0m	5	0.03
20020422	36	33	28	57	92	6	121	0m	8.3	0.03
20020423	51	45	40	52	78	14	154	0m	21.6	0.18
20020424	49	42	34	38	83	20	282	0m	8.7	0.13
20020425	38	31	18	35	52	18	297	0m	19.7	0.17
20020426	42	34	20	31	65	6	92	0m	16	0.06
20020427	40	36	31	45	96	19	87	0m	4.8	0.06
20020428	39	37	34	70	92	10	3	0m	8.1	0.03
20020429	51	44	35	35	79	14	278	0m	14.1	0.17
20020430	50	43	34	33	82	5	299	0m	9.4	0.07

APPENDIX C

Snow Water Equivalent (SWE) Max daily values For Water Year

schmi071: Marshall

\$ DESCRIPTION= REDWOOD RIVER MARSHALL

\$ PERIOD OF RECORD=01/1950 THRU 12/2004

\$ SYMBOL FOR MISSING DATA=-999.00 SYMBOL FOR ACCUMULATED DATA=-998.00

\$ TYPE=SWE UNITS=MM DIMENSIONS=L DATA TIME INTERVAL=24 HOURS

\$ OUTPUT FORMAT=(3A4,2I2,14,6F10.2)

DATA CARD SWE L MM 24

1 1950 12 2004 6 F10.2

yyymmdd	SWE (mm)	yyymmdd	SWE (mm)	yyymmdd	SWE (mm)	yyymmdd	SWE (mm)
19910101	10.92	19920101	0.92	19930101	28.18	19940101	51.63
19910102	10.98	19920102	0.9	19930102	28.18	19940102	53.22
19910103	10.98	19920103	0.52	19930103	28.97	19940103	53.22
19910104	10.98	19920104	0.44	19930104	28.97	19940104	53.36
19910105	10.98	19920105	0.43	19930105	28.97	19940105	56.24
19910106	10.98	19920106	0.43	19930106	28.97	19940106	56.24
19910107	10.98	19920107	2.49	19930107	28.97	19940107	56.24
19910108	10.98	19920108	2.82	19930108	28.97	19940108	56.24
19910109	10.98	19920109	2.82	19930109	28.97	19940109	56.24
19910110	12.01	19920110	1.33	19930110	28.97	19940110	56.24
19910111	12.57	19920111	0	19930111	39.19	19940111	56.24
19910112	12.57	19920112	0	19930112	44.59	19940112	56.24
19910113	12.8	19920113	0	19930113	45.62	19940113	59.17
19910114	12.8	19920114	2.96	19930114	45.62	19940114	59.17
19910115	12.83	19920115	2.96	19930115	45.62	19940115	59.9
19910116	12.83	19920116	2.96	19930116	45.62	19940116	62.24
19910117	12.83	19920117	2.96	19930117	45.62	19940117	62.24
19910118	12.66	19920118	2.96	19930118	45.62	19940118	62.24
19910119	11.45	19920119	2.96	19930119	45.62	19940119	62.3
19910120	11.45	19920120	0	19930120	47.3	19940120	62.3
19910121	11.45	19920121	0	19930121	49.5	19940121	62.3
19910122	11.21	19920122	0	19930122	49.5	19940122	62.3
19910123	11.2	19920123	0	19930123	49.5	19940123	62.3
19910124	11.2	19920124	4.3	19930124	49.5	19940124	62.3
19910125	11.2	19920125	5.73	19930125	49.5	19940125	62.3
19910126	11.2	19920126	5.73	19930126	49.5	19940126	66.83
19910127	11.2	19920127	5.73	19930127	49.5	19940127	83.06
19910128	11.2	19920128	5.73	19930128	49.5	19940128	83.39
19910129	11.2	19920129	0	19930129	49.5	19940129	85.46
19910130	11.2	19920130	0	19930130	49.5	19940130	85.46
19910131	11.2	19920131	0	19930131	49.5	19940131	85.46
19910201	6.71	19920201	0	19930201	49.5	19940201	85.46
19910202	0.46	19920202	0	19930202	49.5	19940202	85.46
19910203	0	19920203	0	19930203	49.5	19940203	85.49
19910204	0	19920204	0	19930204	49.5	19940204	85.49
19910205	0	19920205	0	19930205	49.5	19940205	85.49
19910206	0	19920206	0	19930206	49.5	19940206	85.49
19910207	0	19920207	0	19930207	49.5	19940207	85.71
19910208	0	19920208	1.82	19930208	49.5	19940208	91.66
19910209	0	19920209	1.82	19930209	49.5	19940209	91.66
19910210	1.03	19920210	1.82	19930210	55.87	19940210	91.66
19910211	1.06	19920211	1.82	19930211	58.36	19940211	91.66
19910212	1.06	19920212	4.83	19930212	59.56	19940212	92.19
19910213	0	19920213	4.83	19930213	59.56	19940213	92.19
19910214	0	19920214	5.09	19930214	59.56	19940214	92.19
19910215	0	19920215	5.09	19930215	59.56	19940215	92.19
19910216	0	19920216	4.89	19930216	59.56	19940216	92.19
19910217	1.17	19920217	0.95	19930217	59.56	19940217	92.19
19910218	7.18	19920218	3.82	19930218	59.56	19940218	92.19
19910219	11.06	19920219	3.82	19930219	59.56	19940219	92.19
19910220	7.68	19920220	3.82	19930220	61.63	19940220	92.19
19910221	0.15	19920221	3.91	19930221	61.63	19940221	92.19
19910222	0.15	19920222	6.23	19930222	67.13	19940222	97.14
19910223	0.46	19920223	9.72	19930223	67.13	19940223	117.59
19910224	0.46	19920224	10.95	19930224	67.19	19940224	120.5

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19910225	0.46	19920225	10.95	19930225	67.24	19940225	122.12
19910226	0.46	19920226	7.18	19930226	67.24	19940226	122.12
19910227	0.46	19920227	0.2	19930227	67.3	19940227	124.1
19910228	0	19920228	0	19930228	67.3	19940228	126.67
19910301	0	19920229	0	19930301	67.3	19940301	126.67
19910302	0	19920301	0	19930302	67.3	19940302	126.67
19910303	0	19920302	0	19930303	67.3	19940303	126.67
19910304	0	19920303	0	19930304	67.3	19940304	106.21
19910305	1.29	19920304	0	19930305	67.3	19940305	77.3
19910306	1.29	19920305	0	19930306	67.3	19940306	65.68
19910307	0	19920306	0	19930307	66.67	19940307	65.58
19910308	0	19920307	0	19930308	63.77	19940308	65.58
19910309	0	19920308	0.73	19930309	62.35	19940309	67.39
19910310	0	19920309	1.26	19930310	64.47	19940310	67.39
19910311	0	19920310	1.26	19930311	64.47	19940311	67.39
19910312	3.77	19920311	2.24	19930312	64.52	19940312	60.38
19910313	3.77	19920312	2.24	19930313	64.52	19940313	47.04
19910314	2.49	19920313	0	19930314	64.52	19940314	28.99
19910315	0	19920314	0	19930315	64.52	19940315	23.33
19910316	0	19920315	0	19930316	64.52	19940316	21.04
19910317	0	19920316	0	19930317	64.52	19940317	16.55
19910318	0	19920317	0	19930318	64.52	19940318	11.99
19910319	0	19920318	0	19930319	64.52	19940319	6.72
19910320	0	19920319	0	19930320	64.52	19940320	4.39
19910321	0	19920320	0	19930321	74.78	19940321	2.38
19910322	0	19920321	0	19930322	77.32	19940322	0.04
19910323	7.86	19920322	0	19930323	77.32	19940323	0
19910324	0	19920323	0	19930324	72.36	19940324	0
19910325	0	19920324	0	19930325	64.77	19940325	0
19910326	0	19920325	0	19930326	48.04	19940326	0
19910327	0	19920326	0	19930327	26.72	19940327	0
19910328	3.1	19920327	0	19930328	13.27	19940328	0
19910329	3.1	19920328	0	19930329	7.33	19940329	0
19910330	0	19920329	0	19930330	5.08	19940330	0
19910331	0	19920330	0	19930331	5.38	19940331	0
19910401	0	19920331	0	19930401	5.37	19940401	0
19910402	0	19920401	0	19930402	5.37	19940402	0
19910403	0	19920402	0	19930403	4.66	19940403	0
19910404	0	19920403	0	19930404	3.33	19940404	0
19910405	0	19920404	0	19930405	1.57	19940405	0
19910406	0	19920405	0	19930406	0.09	19940406	0
19910407	0	19920406	0	19930407	0	19940407	0
19910408	0	19920407	0	19930408	0	19940408	0
19910409	0	19920408	0	19930409	0	19940409	0
19910410	0	19920409	0	19930410	0	19940410	0
19910411	0	19920410	0	19930411	0	19940411	0
19910412	0	19920411	0	19930412	0	19940412	0
19910413	0	19920412	0	19930413	0	19940413	0
19910414	0	19920413	0	19930414	0	19940414	0
19910415	0	19920414	0	19930415	0	19940415	0
19910416	0	19920415	0	19930416	0	19940416	0
19910417	0	19920416	0	19930417	0	19940417	0
19910418	0	19920417	0	19930418	0	19940418	0
19910419	0	19920418	0	19930419	0	19940419	0
19910420	0	19920419	0	19930420	0	19940420	0
19910421	0	19920420	16.26	19930421	0	19940421	0
19910422	0	19920421	24.2	19930422	0	19940422	0
19910423	0	19920422	24.2	19930423	0	19940423	0
19910424	0	19920423	17.45	19930424	0	19940424	0
19910425	0	19920424	1.2	19930425	0	19940425	0
19910426	0	19920425	0.03	19930426	0	19940426	0
19910427	0	19920426	0	19930427	0	19940427	0
19910428	0	19920427	0	19930428	0	19940428	1.31
19910429	0	19920428	0	19930429	0	19940429	0
19910430	0	19920429	0	19930430	0	19940430	0
19911101	30.22	19920430	0	19931101	0	19941101	0
19911102	30.22	19921101	0	19931102	0	19941102	0
19911103	30.33	19921102	6.04	19931103	0	19941103	0
19911104	30.33	19921103	6.4	19931104	0.22	19941104	0
19911105	30.39	19921104	6.93	19931105	0.22	19941105	0

yyymmdd	SWE (mm)	yyymmdd	SWE (mm)	yyymmdd	SWE (mm)	yyymmdd	SWE (mm)
19911106	30.39	19921105	6.96	19931106	0.47	19941106	0
19911107	30.39	19921106	6.96	19931107	0	19941107	0
19911108	30.39	19921107	6.96	19931108	0	19941108	0
19911109	30.39	19921108	6.96	19931109	0	19941109	0
19911110	30.39	19921109	0.58	19931110	0	19941110	0
19911111	30.47	19921110	0	19931111	0	19941111	0
19911112	28.19	19921111	0	19931112	14.19	19941112	0
19911113	10.25	19921112	1.31	19931113	17.74	19941113	0
19911114	7.18	19921113	1.31	19931114	17.74	19941114	0
19911115	6.48	19921114	1.31	19931115	17.74	19941115	0
19911116	6.45	19921115	0.99	19931116	17.74	19941116	0
19911117	5.18	19921116	0	19931117	14.9	19941117	0
19911118	3.06	19921117	0	19931118	8.64	19941118	0
19911119	1.88	19921118	0	19931119	6.36	19941119	0
19911120	0.92	19921119	2.81	19931120	3.16	19941120	2.32
19911121	0.18	19921120	2.75	19931121	1.26	19941121	5.56
19911122	0.15	19921121	2.75	19931122	1.2	19941122	5.56
19911123	0.15	19921122	2.75	19931123	1.2	19941123	3.09
19911124	0.15	19921123	2.75	19931124	17.4	19941124	0
19911125	0.15	19921124	2.75	19931125	30.03	19941125	0
19911126	0.23	19921125	2.75	19931126	30.45	19941126	0
19911127	0.23	19921126	2.75	19931127	33.08	19941127	14.86
19911128	0.23	19921127	2.75	19931128	33.08	19941128	18.38
19911129	14.28	19921128	0.76	19931129	33.08	19941129	18.38
19911130	14.51	19921129	0.76	19931130	33.08	19941130	18.38
19911201	14.51	19921130	0.98	19931201	33.08	19941201	18.38
19911202	14.51	19921201	0.36	19931202	33.08	19941202	17.33
19911203	14.84	19921202	0.36	19931203	33.08	19941203	16.78
19911204	16.91	19921203	5.47	19931204	33.08	19941204	16.76
19911205	16.91	19921204	5.47	19931205	33.08	19941205	16.85
19911206	16.91	19921205	5.47	19931206	33.13	19941206	16.85
19911207	16.71	19921206	5.47	19931207	33.13	19941207	17.8
19911208	14.52	19921207	5.47	19931208	33.13	19941208	23.02
19911209	12.83	19921208	5.47	19931209	33.13	19941209	23.02
19911210	7.79	19921209	5.47	19931210	33.13	19941210	23.02
19911211	5.38	19921210	5.47	19931211	33.13	19941211	23.02
19911212	4.77	19921211	5.47	19931212	33.13	19941212	23.02
19911213	4.45	19921212	5.47	19931213	33.38	19941213	23.02
19911214	4.44	19921213	14.44	19931214	33.44	19941214	23.86
19911215	4.44	19921214	16.62	19931215	33.6	19941215	24.22
19911216	4.16	19921215	17.15	19931216	34.25	19941216	24.22
19911217	4.16	19921216	17.15	19931217	40.28	19941217	24.22
19911218	4.16	19921217	17.15	19931218	40.37	19941218	24.22
19911219	4.16	19921218	20.31	19931219	40.37	19941219	24.22
19911220	4.16	19921219	20.31	19931220	40.37	19941220	24.22
19911221	3.04	19921220	20.31	19931221	44.47	19941221	24.22
19911222	1.94	19921221	20.31	19931222	44.47	19941222	24.22
19911223	1.71	19921222	20.31	19931223	44.47	19941223	24.22
19911224	1.45	19921223	24.19	19931224	45.9	19941224	23.22
19911225	1.1	19921224	24.47	19931225	50.23	19941225	18.99
19911226	1.03	19921225	24.47	19931226	50.26	19941226	13.68
19911227	1.03	19921226	24.47	19931227	50.26	19941227	10.19
19911228	1.03	19921227	24.47	19931228	50.31	19941228	10.19
19911229	1.03	19921228	25.89	19931229	50.31	19941229	10.28
19911230	1.03	19921229	28.1	19931230	50.31	19941230	10.28
19911231	0.97	19921230	28.18	19931231	50.31	19941231	10.28
		19921231	28.18				

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19950101	10.28	19960101	24.81	19970101	127.42	19980101	4.65
19950102	10.28	19960102	26.12	19970102	127.42	19980102	2.8
19950103	10.28	19960103	26.12	19970103	131.96	19980103	2.8
19950104	10.28	19960104	28.22	19970104	157.52	19980104	3.56
19950105	10.28	19960105	28.22	19970105	163.08	19980105	4.2
19950106	10.28	19960106	28.22	19970106	163.08	19980106	4.2
19950107	10.28	19960107	28.22	19970107	163.08	19980107	4.2
19950108	10.28	19960108	28.22	19970108	163.08	19980108	4.2
19950109	10.28	19960109	28.22	19970109	170.24	19980109	4.23
19950110	10.28	19960110	33.18	19970110	171.07	19980110	4.25
19950111	9.96	19960111	33.18	19970111	171.07	19980111	4.79
19950112	10.67	19960112	29.18	19970112	171.07	19980112	13.03
19950113	10.65	19960113	20.39	19970113	171.07	19980113	13.03
19950114	10.65	19960114	20.39	19970114	171.16	19980114	13.11
19950115	10.65	19960115	20.39	19970115	180.8	19980115	13.98
19950116	11.96	19960116	20.39	19970116	187.25	19980116	13.98
19950117	12.04	19960117	34.41	19970117	187.25	19980117	13.98
19950118	12.04	19960118	37.4	19970118	187.25	19980118	13.98
19950119	12.04	19960119	37.4	19970119	189.82	19980119	13.98
19950120	12.04	19960120	37.4	19970120	189.82	19980120	17.3
19950121	12.04	19960121	37.4	19970121	189.82	19980121	18.56
19950122	12.04	19960122	37.4	19970122	189.82	19980122	19.57
19950123	12.04	19960123	37.4	19970123	189.85	19980123	19.65
19950124	12.04	19960124	37.4	19970124	191.13	19980124	20.74
19950125	12.04	19960125	47.04	19970125	192.42	19980125	23.9
19950126	12.04	19960126	47.04	19970126	192.59	19980126	23.9
19950127	11.86	19960127	47.04	19970127	192.62	19980127	23.9
19950128	11.84	19960128	50.23	19970128	192.62	19980128	25.17
19950129	11.84	19960129	50.23	19970129	192.62	19980129	25.17
19950130	11.84	19960130	50.23	19970130	192.62	19980130	25.17
19950131	9.77	19960131	50.23	19970131	192.64	19980131	25.17
19950201	9.5	19960201	50.23	19970201	192.64	19980201	25.17
19950202	9.5	19960202	50.23	19970202	192.64	19980202	25.17
19950203	9.5	19960203	50.23	19970203	194.46	19980203	25.17
19950204	9.5	19960204	50.23	19970204	198.48	19980204	25.17
19950205	10.82	19960205	50.23	19970205	198.48	19980205	25.17
19950206	10.82	19960206	50.23	19970206	198.48	19980206	25.17
19950207	10.82	19960207	50.2	19970207	198.54	19980207	21.33
19950208	10.82	19960208	42.33	19970208	198.57	19980208	15.93
19950209	10.82	19960209	29.55	19970209	198.57	19980209	10.94
19950210	10.82	19960210	23.44	19970210	198.57	19980210	11.03
19950211	10.82	19960211	23.43	19970211	198.79	19980211	11.03
19950212	10.82	19960212	23.43	19970212	198.79	19980212	9.11
19950213	10.82	19960213	20.9	19970213	198.79	19980213	9.11
19950214	12.63	19960214	20.92	19970214	198.79	19980214	9.11
19950215	13.81	19960215	23.63	19970215	198.85	19980215	5.21
19950216	13.81	19960216	23.63	19970216	198.85	19980216	2.89
19950217	13.38	19960217	23.63	19970217	198.85	19980217	2.47
19950218	7.1	19960218	23.63	19970218	198.85	19980218	2.05
19950219	5.85	19960219	12.05	19970219	198.85	19980219	1.78
19950220	5.36	19960220	10.79	19970220	198.85	19980220	1.54
19950221	3.47	19960221	10.07	19970221	198.85	19980221	1.17
19950222	2.01	19960222	9.79	19970222	198.87	19980222	0
19950223	1.76	19960223	7.93	19970223	198.87	19980223	0
19950224	1.17	19960224	5.25	19970224	198.87	19980224	0

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19950225	0.55	19960225	5.15	19970225	198.87	19980225	0
19950226	0.55	19960226	6.91	19970226	198.87	19980226	0
19950227	0.55	19960227	7.92	19970227	198.87	19980227	3.66
19950228	0.55	19960228	7.92	19970228	211.34	19980228	8.33
19950301	0.55	19960229	7.92	19970301	215.16	19980301	15.06
19950302	0.55	19960301	7.94	19970302	215.16	19980302	16.68
19950303	0.55	19960302	7.94	19970303	215.47	19980303	17.52
19950304	12.31	19960303	7.94	19970304	216.53	19980304	17.52
19950305	16.31	19960304	7.97	19970305	216.53	19980305	17.52
19950306	26.31	19960305	9.87	19970306	216.53	19980306	17.8
19950307	26.31	19960306	9.96	19970307	216.53	19980307	17.8
19950308	26.31	19960307	9.96	19970308	216.53	19980308	18.33
19950309	26.31	19960308	9.96	19970309	216.53	19980309	18.86
19950310	26.31	19960309	9.96	19970310	216.53	19980310	18.86
19950311	3.71	19960310	2.22	19970311	216.53	19980311	18.86
19950312	0	19960311	0.11	19970312	216.67	19980312	18.86
19950313	0	19960312	0	19970313	219.66	19980313	18.86
19950314	0	19960313	0	19970314	220	19980314	18.89
19950315	0	19960314	0	19970315	220	19980315	19.67
19950316	0	19960315	0	19970316	220	19980316	19.67
19950317	0	19960316	0	19970317	220.53	19980317	21.07
19950318	0	19960317	0	19970318	222.85	19980318	25.65
19950319	0	19960318	0	19970319	222.85	19980319	25.65
19950320	0	19960319	1.31	19970320	221.65	19980320	25.65
19950321	0	19960320	0	19970321	206.16	19980321	22.47
19950322	0	19960321	0	19970322	199.29	19980322	19.03
19950323	0	19960322	0	19970323	197.57	19980323	17.84
19950324	0	19960323	0.11	19970324	196.88	19980324	21.31
19950325	0	19960324	0.75	19970325	189.22	19980325	0.82
19950326	0	19960325	0.81	19970326	166.72	19980326	0
19950327	0	19960326	15.14	19970327	115.67	19980327	0
19950328	0	19960327	14.35	19970328	90.33	19980328	0
19950329	0	19960328	5.51	19970329	74.17	19980329	0
19950330	0	19960329	0.98	19970330	59.49	19980330	0
19950331	0	19960330	0.68	19970331	27.51	19980331	13.75
19950401	0	19960331	0.46	19970401	11.69	19980401	16.27
19950402	0	19960401	0	19970402	7.25	19980402	13.07
19950403	0	19960402	0	19970403	4.04	19980403	4.61
19950404	0	19960403	0	19970404	0.28	19980404	0.11
19950405	0	19960404	0	19970405	3.16	19980405	0
19950406	0	19960405	0	19970406	3.76	19980406	0
19950407	0	19960406	0	19970407	3.76	19980407	0
19950408	0	19960407	0	19970408	3.76	19980408	0
19950409	18.13	19960408	0	19970409	3.76	19980409	0
19950410	31.46	19960409	0	19970410	9.13	19980410	0
19950411	61.44	19960410	0	19970411	9.13	19980411	0
19950412	64.96	19960411	0	19970412	9.13	19980412	0
19950413	61.46	19960412	0	19970413	0	19980413	0
19950414	31.88	19960413	0	19970414	0	19980414	0
19950415	13.55	19960414	0	19970415	0	19980415	0
19950416	8.62	19960415	0	19970416	0	19980416	0
19950417	5.82	19960416	0	19970417	0	19980417	0
19950418	4.35	19960417	0	19970418	0	19980418	0
19950419	2	19960418	0	19970419	0	19980419	0
19950420	0.33	19960419	0	19970420	0	19980420	0
19950421	0	19960420	0	19970421	0	19980421	0
19950422	0	19960421	0	19970422	0	19980422	0
19950423	0	19960422	0	19970423	0	19980423	0
19950424	0	19960423	0	19970424	0	19980424	0
19950425	0	19960424	0	19970425	0	19980425	0
19950426	0	19960425	0	19970426	0	19980426	0
19950427	0	19960426	0	19970427	0	19980427	0
19950428	0	19960427	0	19970428	0	19980428	0
19950429	0	19960428	0	19970429	0	19980429	0
19950430	0	19960429	0	19970430	0	19980430	0
19951101	14.11	19960430	0	19971101	0	19981101	0
19951102	14.11	19961101	4.83	19971102	0.03	19981102	0
19951103	14.14	19961102	3.93	19971103	2.12	19981103	0
19951104	14.14	19961103	0	19971104	3.77	19981104	0
19951105	12.01	19961104	0	19971105	4.44	19981105	0

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19951106	3.88	19961105	0	19971106	4.44	19981106	0
19951107	3.88	19961106	0	19971107	0	19981107	6.34
19951108	3.88	19961107	0	19971108	0	19981108	8.35
19951109	2.41	19961108	0	19971109	0	19981109	17.08
19951110	2.41	19961109	0	19971110	0	19981110	59.46
19951111	2.41	19961110	0	19971111	0	19981111	59.46
19951112	2.41	19961111	0	19971112	0	19981112	59.46
19951113	2.41	19961112	0	19971113	2.65	19981113	59.46
19951114	2.41	19961113	3.38	19971114	19.92	19981114	59.46
19951115	2.29	19961114	3.58	19971115	19.92	19981115	59.46
19951116	2.21	19961115	38.95	19971116	20.14	19981116	59.46
19951117	2.11	19961116	53.42	19971117	20.14	19981117	59.43
19951118	1.07	19961117	53.42	19971118	20.14	19981118	54.23
19951119	0.1	19961118	58.2	19971119	20.14	19981119	54.16
19951120	0	19961119	63.12	19971120	20.14	19981120	54.16
19951121	0	19961120	77.73	19971121	24.06	19981121	52.38
19951122	0	19961121	77.73	19971122	24.08	19981122	36.64
19951123	0	19961122	77.73	19971123	24.11	19981123	24.23
19951124	0	19961123	84.46	19971124	24.11	19981124	16.41
19951125	0	19961124	84.46	19971125	24.11	19981125	11.71
19951126	4.83	19961125	84.46	19971126	21.67	19981126	7.73
19951127	5.62	19961126	84.46	19971127	12.44	19981127	4.83
19951128	5.62	19961127	84.46	19971128	8.11	19981128	3.04
19951129	5.73	19961128	85.08	19971129	5.42	19981129	1.47
19951130	0.19	19961129	104.35	19971130	5.04	19981130	0.37
19951201	0.06	19961130	105.07	19971201	5.03	19981201	0
19951202	0	19961201	105.07	19971202	6.09	19981202	0
19951203	0	19961202	105.07	19971203	7.1	19981203	0
19951204	0	19961203	105.07	19971204	12.24	19981204	0
19951205	0	19961204	105.18	19971205	13.02	19981205	0
19951206	9.11	19961205	105.18	19971206	13.02	19981206	0
19951207	9.25	19961206	106.78	19971207	13.02	19981207	0
19951208	9.86	19961207	106.78	19971208	13.61	19981208	0
19951209	10.14	19961208	106.78	19971209	16.1	19981209	0
19951210	10.14	19961209	106.78	19971210	16.1	19981210	0
19951211	10.2	19961210	106.78	19971211	16.1	19981211	0
19951212	10.2	19961211	106.78	19971212	16.1	19981212	0
19951213	10.59	19961212	106.78	19971213	16.1	19981213	0
19951214	10.59	19961213	106.78	19971214	16.06	19981214	0
19951215	10.59	19961214	113.04	19971215	10.56	19981215	0
19951216	10.59	19961215	117.34	19971216	7.44	19981216	0
19951217	10.59	19961216	117.34	19971217	6.12	19981217	0
19951218	10.59	19961217	117.34	19971218	4.27	19981218	0
19951219	10.59	19961218	117.37	19971219	3.83	19981219	0
19951220	10.59	19961219	117.37	19971220	3.83	19981220	0.81
19951221	10.59	19961220	117.37	19971221	3.83	19981221	0.81
19951222	19.78	19961221	117.37	19971222	3.83	19981222	0.81
19951223	19.78	19961222	125.44	19971223	3.83	19981223	0.81
19951224	19.78	19961223	127.01	19971224	3.83	19981224	0.81
19951225	19.78	19961224	127.42	19971225	3.83	19981225	0.81
19951226	19.78	19961225	127.42	19971226	3.83	19981226	1.42
19951227	19.78	19961226	127.42	19971227	3.83	19981227	1.42
19951228	19.78	19961227	127.42	19971228	4.08	19981228	1.16
19951229	19.78	19961228	127.42	19971229	4.08	19981229	1.55
19951230	19.78	19961229	127.42	19971230	4.89	19981230	2.89
19951231	22.49	19961230	127.42	19971231	4.89	19981231	2.89
		19961231	127.42				

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19990101	9.4	20000101	0	20010101	43.58	20020101	22.79
19990102	17.81	20000102	0	20010102	43.61	20020102	22.79
19990103	17.93	20000103	0	20010103	43.61	20020103	22.79
19990104	17.93	20000104	0	20010104	43.61	20020104	22.79
19990105	17.93	20000105	0.56	20010105	43.61	20020105	22.79
19990106	18.18	20000106	0.56	20010106	43.61	20020106	22.79
19990107	18.18	20000107	0.59	20010107	43.61	20020107	22.79
19990108	20.86	20000108	0	20010108	43.61	20020108	16.92
19990109	20.86	20000109	0	20010109	43.61	20020109	10.21
19990110	20.94	20000110	0	20010110	43.61	20020110	9.01
19990111	20.97	20000111	0.28	20010111	43.61	20020111	8.09
19990112	21.03	20000112	3.41	20010112	43.61	20020112	7.16
19990113	22.17	20000113	3.41	20010113	44.17	20020113	6.64
19990114	22.17	20000114	3.41	20010114	48.44	20020114	6.65
19990115	23.62	20000115	2.98	20010115	48.44	20020115	6.68
19990116	23.62	20000116	2.98	20010116	48.44	20020116	8.86
19990117	25.36	20000117	2.98	20010117	48.44	20020117	8.86
19990118	25.41	20000118	2.98	20010118	48.44	20020118	8.89
19990119	25.41	20000119	14.88	20010119	48.44	20020119	9.25
19990120	30.39	20000120	14.88	20010120	48.44	20020120	9.25
19990121	30.41	20000121	14.88	20010121	48.44	20020121	7.04
19990122	30.41	20000122	14.88	20010122	48.44	20020122	5.57
19990123	30.41	20000123	14.88	20010123	48.44	20020123	5.57
19990124	31.08	20000124	14.88	20010124	48.44	20020124	5.57
19990125	31.14	20000125	14.88	20010125	48.44	20020125	4.72
19990126	31.92	20000126	14.88	20010126	48.44	20020126	3.29
19990127	31.92	20000127	14.88	20010127	48.44	20020127	3.13
19990128	31.92	20000128	14.88	20010128	48.44	20020128	3.13
19990129	31.92	20000129	14.93	20010129	82.64	20020129	3.16
19990130	31.92	20000130	14.93	20010130	91.75	20020130	3.16
19990131	31.92	20000131	14.93	20010131	91.75	20020131	3.19
19990201	32.2	20000201	14.93	20010201	91.75	20020201	3.19
19990202	32.07	20000202	14.93	20010202	92.61	20020202	3.19
19990203	30.36	20000203	14.93	20010203	93.28	20020203	3.19
19990204	30.33	20000204	15.8	20010204	93.28	20020204	3.19
19990205	30.33	20000205	15.8	20010205	93.28	20020205	3.19
19990206	28.99	20000206	16.08	20010206	94.4	20020206	2.48
19990207	24.57	20000207	16.08	20010207	102.5	20020207	1.39
19990208	13.33	20000208	15.85	20010208	104.57	20020208	0.39
19990209	6.24	20000209	12.81	20010209	105.69	20020209	0.35
19990210	3.75	20000210	12.81	20010210	105.69	20020210	0.35
19990211	3.8	20000211	15.44	20010211	105.69	20020211	0.16
19990212	3.8	20000212	15.47	20010212	105.69	20020212	0.05
19990213	3.8	20000213	15.47	20010213	105.69	20020213	0
19990214	2.28	20000214	16.25	20010214	105.69	20020214	0
19990215	1.78	20000215	16.25	20010215	105.69	20020215	0
19990216	1.78	20000216	16.25	20010216	105.69	20020216	0
19990217	1.78	20000217	18.9	20010217	105.69	20020217	0
19990218	1.81	20000218	18.9	20010218	105.69	20020218	0
19990219	1.81	20000219	18.9	20010219	105.69	20020219	0.03
19990220	1.81	20000220	15.25	20010220	105.69	20020220	0
19990221	1.81	20000221	0.74	20010221	105.69	20020221	0
19990222	8.71	20000222	0	20010222	105.72	20020222	0
19990223	10.61	20000223	0	20010223	109.57	20020223	0
19990224	11.35	20000224	0	20010224	133.01	20020224	0

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19990225	2.33	2000225	0	20010225	134.24	20020225	0
19990226	0.76	2000226	0	20010226	134.36	20020226	0.03
19990227	0.28	2000227	0	20010227	134.36	20020227	0.03
19990228	0	2000228	0	20010228	134.36	20020228	0.06
19990301	0	2000229	0	20010301	134.36	20020301	0.06
19990302	0	2000301	0	20010302	134.36	20020302	0.06
19990303	0	2000302	0	20010303	134.36	20020303	0.06
19990304	0	2000303	0	20010304	134.36	20020304	0.14
19990305	0.03	2000304	0	20010305	134.36	20020305	0.14
19990306	0.03	2000305	0	20010306	134.36	20020306	0.14
19990307	1.54	2000306	0	20010307	134.36	20020307	0.14
19990308	21.09	2000307	0	20010308	134.36	20020308	5.25
19990309	21.09	2000308	0	20010309	134.36	20020309	8.72
19990310	21.18	2000309	0	20010310	134.36	20020310	8.72
19990311	21.18	2000310	0	20010311	135.59	20020311	8.72
19990312	21.18	2000311	0	20010312	144.41	20020312	1.83
19990313	21.18	2000312	4.13	20010313	144.44	20020313	0.7
19990314	21.18	2000313	3.31	20010314	144.47	20020314	42.36
19990315	17.15	2000314	0	20010315	144.47	20020315	51.97
19990316	0	2000315	0	20010316	158.02	20020316	51.97
19990317	0	2000316	0	20010317	158.02	20020317	52.11
19990318	0	2000317	0	20010318	158.02	20020318	68.1
19990319	0	2000318	0	20010319	158.02	20020319	68.36
19990320	0	2000319	0	20010320	158.05	20020320	68.36
19990321	0	2000320	0	20010321	157.63	20020321	68.36
19990322	0	2000321	0	20010322	156.41	20020322	68.36
19990323	0	2000322	0	20010323	156.19	20020323	68.36
19990324	0	2000323	0	20010324	156.19	20020324	68.36
19990325	0	2000324	0	20010325	156.19	20020325	68.36
19990326	0	2000325	0	20010326	156.19	20020326	68.36
19990327	0	2000326	0	20010327	156.19	20020327	68.36
19990328	0	2000327	0	20010328	156.76	20020328	58.56
19990329	0	2000328	0	20010329	147.51	20020329	45.56
19990330	0	2000329	0	20010330	138.4	20020330	37.49
19990331	0	2000330	0	20010331	145.52	20020331	33.13
19990401	0	2000331	0	20010401	134.77	20020401	28.39
19990402	0	2000401	0	20010402	122.39	20020402	29.43
19990403	0	2000402	0	20010403	111.01	20020403	29.43
19990404	0	2000403	0	20010404	89.63	20020404	29.43
19990405	0	2000404	0	20010405	66.3	20020405	23.64
19990406	0	2000405	0	20010406	39.37	20020406	13.58
19990407	0	2000406	0	20010407	21.43	20020407	7.18
19990408	0	2000407	0	20010408	15.8	20020408	4.51
19990409	0	2000408	0	20010409	10.33	20020409	2.02
19990410	0	2000409	0	20010410	5.57	20020410	0
19990411	0	2000410	0	20010411	1.52	20020411	0
19990412	0	2000411	0	20010412	0	20020412	0
19990413	0	2000412	0	20010413	0	20020413	0
19990414	0	2000413	0	20010414	0	20020414	0
19990415	0	2000414	0	20010415	0	20020415	0
19990416	0	2000415	0.42	20010416	0	20020416	0
19990417	0	2000416	18.05	20010417	0	20020417	0
19990418	0	2000417	14.64	20010418	0	20020418	0
19990419	0	2000418	0	20010419	0	20020419	0
19990420	0	2000419	0	20010420	0	20020420	0
19990421	0	2000420	0	20010421	0	20020421	8.02
19990422	0	2000421	0	20010422	0	20020422	0
19990423	0	2000422	0	20010423	0	20020423	0
19990424	0	2000423	0	20010424	0	20020424	0
19990425	0	2000424	0	20010425	0	20020425	0
19990426	0	2000425	0	20010426	0	20020426	0
19990427	0	2000426	0	20010427	0	20020427	0
19990428	0	2000427	0	20010428	0	20020428	0
19990429	0	2000428	0	20010429	0	20020429	0
19990430	0	2000429	0	20010430	0	20020430	0
19991101	0	2000430	0	20011101	0		
19991102	0	20001101	0	20011102	0		
19991103	0	20001102	0	20011103	0		
19991104	0	20001103	0	20011104	0		
19991105	0	20001104	0	20011105	0		

yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)	yyyymmdd	SWE (mm)
19991106	0	20001105	0	20011106	0
19991107	0	20001106	0	20011107	0
19991108	0	20001107	0.22	20011108	0
19991109	0	20001108	0.22	20011109	0
19991110	0	20001109	0.22	20011110	0
19991111	0	20001110	0.22	20011111	0
19991112	0	20001111	0.22	20011112	0
19991113	0	20001112	13.3	20011113	0
19991114	0	20001113	13.58	20011114	0
19991115	0	20001114	13.58	20011115	0
19991116	0	20001115	17.07	20011116	0
19991117	0	20001116	17.07	20011117	0
19991118	0	20001117	17.1	20011118	0
19991119	0	20001118	17.27	20011119	0
19991120	0	20001119	17.27	20011120	0
19991121	0	20001120	17.29	20011121	0
19991122	0	20001121	17.29	20011122	0
19991123	0	20001122	17.29	20011123	0
19991124	0	20001123	17.32	20011124	0
19991125	0	20001124	17.32	20011125	2.82
19991126	0	20001125	17.32	20011126	32.3
19991127	0	20001126	17.32	20011127	43.59
19991128	0	20001127	18.75	20011128	43.59
19991129	0	20001128	19.97	20011129	43.59
19991130	0	20001129	19.97	20011130	43.59
19991201	0	20001130	24.72	20011201	43.61
19991202	0	20001201	27.09	20011202	43.61
19991203	0	20001202	27.93	20011203	43.61
19991204	0	20001203	27.93	20011204	41.76
19991205	0	20001204	27.93	20011205	35.24
19991206	0	20001205	27.93	20011206	34.57
19991207	0	20001206	27.93	20011207	34.48
19991208	0	20001207	28.1	20011208	34.56
19991209	0	20001208	28.1	20011209	32.95
19991210	0	20001209	28.1	20011210	31.88
19991211	0	20001210	28.21	20011211	29.79
19991212	0	20001211	32.43	20011212	29.76
19991213	0	20001212	32.43	20011213	29.76
19991214	2.35	20001213	32.43	20011214	29.1
19991215	4.69	20001214	33.49	20011215	24.61
19991216	4.72	20001215	35.34	20011216	21.25
19991217	6.06	20001216	35.73	20011217	19.17
19991218	6.31	20001217	36.76	20011218	17.96
19991219	6.31	20001218	36.76	20011219	17.95
19991220	6.31	20001219	36.76	20011220	17.81
19991221	6.31	20001220	36.76	20011221	17.69
19991222	6.87	20001221	36.76	20011222	21.92
19991223	6.93	20001222	36.76	20011223	22.28
19991224	6.93	20001223	36.76	20011224	22.28
19991225	6.93	20001224	36.76	20011225	22.28
19991226	6.93	20001225	36.76	20011226	22.53
19991227	6.93	20001226	36.76	20011227	22.53
19991228	4.21	20001227	36.76	20011228	22.79
19991229	0	20001228	43.58	20011229	22.79
19991230	0	20001229	43.58	20011230	22.79
19991231	0	20001230	43.58	20011231	22.79
		20001231	43.58		

Appendix D

Value of albedo		
22.5%	0.775	4 thru 10
80%	0.2	12,1 & 2
50%	0.5	11 & 3

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19910101	1.283	0.257	0.257	16.059	4.5	0.2	0.9
19910102	1.369	0.159	0.159	8.768	5.6	0.2	1.12
19910103	1.355	0.171	0.171	10.084	6.2	0.2	1.24
19910104	1.344	0.175	0.175	10.670	6.1	0.2	1.22
19910105	1.304	0.215	0.215	14.608	4.5	0.2	0.9
19910106	1.383	0.145	0.145	7.476	6.3	0.2	1.26
19910107	1.344	0.183	0.183	11.631	5.8	0.2	1.16
19910108	1.267	0.251	0.251	19.853	3.5	0.2	0.7
19910109	1.368	0.145	0.145	9.436	2.7	0.2	0.54
19910110	1.279	0.263	0.263	18.783	2.2	0.2	0.44
19910111	1.234	0.293	0.293	23.750	3.3	0.2	0.66
19910112	1.252	0.269	0.269	20.813	5.3	0.2	1.06
19910113	1.083	0.530	0.530	43.210	2.2	0.2	0.44
19910114	1.122	0.509	0.509	36.638	2.2	0.2	0.44
19910115	1.104	0.498	0.498	42.123	2.2	0.2	0.44
19910116	1.119	0.468	0.468	39.822	2.2	0.2	0.44
19910117	1.184	0.388	0.388	29.673	3.1	0.2	0.62
19910118	1.042	0.599	0.599	52.412	4.4	0.2	0.88
19910119	1.118	0.519	0.519	35.841	4.2	0.2	0.84
19910120	1.314	0.201	0.201	11.942	4.3	0.2	0.86
19910121	1.353	0.167	0.167	8.183	6.9	0.2	1.38
19910122	1.205	0.431	0.431	28.015	3	0.2	0.6
19910123	1.284	0.246	0.246	13.886	4.7	0.2	0.94
19910124	1.347	0.183	0.183	9.341	7.1	0.2	1.42
19910125	1.311	0.210	0.210	14.282	7.2	0.2	1.44
19910126	1.220	0.372	0.372	21.004	6.5	0.2	1.3
19910127	1.138	0.488	0.488	33.449	6.2	0.2	1.24
19910128	1.243	0.313	0.313	21.128	6.9	0.2	1.38
19910129	1.328	0.196	0.196	10.790	7	0.2	1.4
19910130	1.247	0.306	0.306	18.990	5.4	0.2	1.08
19910131	1.220	0.364	0.364	24.928	5.8	0.2	1.16
19910201	1.067	0.662	0.662	48.345	6.7	0.2	1.34
19910202	0.906	1.056	1.056	76.554	6.7	0.2	1.34
19910203	1.007	0.855	0.855	56.023	6	0.2	1.2
19910204	0.935	0.924	0.924	71.146	7.4	0.2	1.48
19910205	0.956	0.889	0.889	68.902	7.8	0.2	1.56
19910206	0.975	0.839	0.839	65.852	7	0.2	1.4
19910207	1.059	0.731	0.731	50.466	7.7	0.2	1.54
19910208	0.879	1.097	1.097	81.144	8.2	0.2	1.64
19910209	1.137	0.624	0.624	34.300	8.2	0.2	1.64
19910210	1.245	0.431	0.431	17.240	8.5	0.2	1.7
19910211	1.261	0.396	0.396	15.649	8.7	0.2	1.74
19910212	1.191	0.459	0.459	24.549	7.1	0.2	1.42
19910213	1.169	0.498	0.498	37.138	4	0.2	0.8
19910214	1.291	0.205	0.205	13.859	7.5	0.2	1.5
19910215	#DIV/0!	0.201	0.201	0.000	0	0.2	0
19910216	1.112	0.587	0.587	36.394	6.2	0.2	1.24
19910217	1.156	0.488	0.488	31.008	9.2	0.2	1.84
19910218	1.106	0.478	0.478	41.135	6.4	0.2	1.28
19910219	1.167	0.422	0.422	31.020	9.9	0.2	1.98
19910220	1.033	0.662	0.662	52.650	7.2	0.2	1.44
19910221	0.990	0.807	0.807	60.108	8.6	0.2	1.72
19910222	1.218	0.459	0.459	23.402	10.6	0.2	2.12
19910223	1.207	0.372	0.372	25.651	5.4	0.2	1.08
19910224	1.298	0.230	0.230	15.514	11	0.2	2.2

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19910225	1.275	0.281	0.281	17.961	9.7	0.2	1.94
19910226	1.202	0.372	0.372	26.394	8.3	0.2	1.66
19910227	1.184	0.405	0.405	27.718	9.7	0.2	1.94
19910228	#DIV/0!	0.636	0.636	0.000	9.4	0.2	1.88
19910301	1.200	0.405	0.405	32.169	5.8	0.5	2.9
19910302	1.312	0.196	0.196	10.986	8.8	0.5	4.4
19910303	1.273	0.313	0.313	14.398	11.9	0.5	5.95
19910304	0.974	0.839	0.839	60.818	11.1	0.5	5.55
19910305	1.060	0.872	0.872	60.607	8.1	0.5	4.05
19910306	1.226	0.372	0.372	24.350	10.6	0.5	5.3
19910307	1.199	0.422	0.422	24.479	12.2	0.5	6.1
19910308	1.052	0.624	0.624	48.955	8.3	0.5	4.15
19910309	1.119	0.624	0.624	38.041	13.4	0.5	6.7
19910310	1.062	0.761	0.761	47.168	11.6	0.5	5.8
19910311	#DIV/0!	0.906	0.906	0.000	0m	0.5	#VALUE!
19910312	#DIV/0!	0.624	0.624	0.000	8.2	0.5	4.1
19910313	1.180	0.519	0.519	26.751	10	0.5	5
19910314	1.185	0.519	0.519	26.751	13.1	0.5	6.55
19910315	1.125	0.611	0.611	38.200	13.7	0.5	6.85
19910316	1.015	0.689	0.689	59.270	5.6	0.5	2.8
19910317	0.962	0.746	0.746	67.882	5.7	0.5	2.85
19910318	0.977	0.855	0.855	62.010	12.2	0.5	6.1
19910319	0.891	1.204	1.204	76.467	15.1	0.5	7.55
19910320	1.236	1.227	1.227	0.000	9.6	0.5	4.8
19910321	0.888	0.807	0.807	77.455	5.3	0.5	2.65
19910322	#DIV/0!	0.703	0.703	0.000	0m	0.5	#VALUE!
19910323	1.006	0.624	0.624	54.256	8.5	0.5	4.25
19910324	1.045	0.823	0.823	48.129	16.4	0.5	8.2
19910325	1.030	0.823	0.823	50.185	12.2	0.5	6.1
19910326	0.844	1.076	1.076	83.394	14.1	0.5	7.05
19910327	1.045	0.611	0.611	46.451	6.5	0.5	3.25
19910328	1.173	0.498	0.498	25.922	14	0.5	7
19910329	1.238	0.431	0.431	17.671	17.7	0.5	8.85
19910330	1.048	0.761	0.761	49.831	12.2	0.5	6.1
19910331	1.001	0.942	0.942	56.984	15.8	0.5	7.9
19910401	1.068	0.942	0.942	44.740	17.6	0.775	13.64
19910402	1.002	1.273	1.273	54.746	16.6	0.775	12.865
19910403	0.881	1.501	1.501	78.074	15.5	0.775	12.0125
19910404	0.760	1.861	1.861	101.442	15.8	0.775	12.245
19910405	0.711	2.458	2.458	108.139	16.1	0.775	12.4775
19910406	0.592	2.767	2.767	131.445	16.4	0.775	12.71
19910407	#DIV/0!	1.861	1.861	0.000	0m	0.775	#VALUE!
19910408	0.821	1.204	1.204	90.315	7.6	0.775	5.89
19910409	0.942	0.872	0.872	69.328	8.1	0.775	6.2775
19910410	1.016	0.960	0.960	54.726	20.1	0.775	15.5775
19910411	1.105	0.906	0.906	38.068	10.3	0.775	7.9825
19910412	1.078	0.689	0.689	46.520	7.7	0.775	5.9675
19910413	1.009	0.717	0.717	58.800	10.5	0.775	8.1375
19910414	0.876	0.942	0.942	81.473	8.3	0.775	6.4325
19910415	0.949	0.872	0.872	66.711	11.7	0.775	9.0675
19910416	0.961	0.924	0.924	65.602	16.6	0.775	12.865
19910417	0.978	0.997	0.997	61.843	21.2	0.775	16.43
19910418	0.897	1.097	1.097	77.306	14.8	0.775	11.47
19910419	0.941	0.997	0.997	70.321	17.3	0.775	13.4075
19910420	1.050	0.942	0.942	48.507	21.7	0.775	16.8175
19910421	1.036	1.036	1.036	48.179	22.4	0.775	17.36
19910422	0.915	1.017	1.017	70.655	14.3	0.775	11.0825
19910423	0.993	0.924	0.924	55.901	19.1	0.775	14.8025
19910424	0.871	1.396	1.396	79.565	21.7	0.775	16.8175
19910425	0.774	1.797	1.797	97.911	19.9	0.775	15.4225
19910426	0.750	1.673	1.673	102.046	15.7	0.775	12.1675
19910427	0.752	1.474	1.474	100.996	18.9	0.775	14.6475
19910428	0.839	1.673	1.673	82.808	21.8	0.775	16.895
19910429	0.840	1.204	1.204	82.488	18.2	0.775	14.105
19910430	#DIV/0!	1.056	1.056	0.000	0m	0.775	#VALUE!

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19911101	#DIV/0!	0.413	0.413	0.000	0m	0.5	#VALUE!
19911102	1.245	0.263	0.263	20.096	6.6	0.5	3.3
19911103	1.296	0.225	0.225	15.169	11.4	0.5	5.7
19911104	1.279	0.251	0.251	17.968	10.2	0.5	5.1
19911105	1.171	0.396	0.396	30.308	4.4	0.5	2.2
19911106	1.316	0.205	0.205	12.832	12.3	0.5	6.15
19911107	1.307	0.230	0.230	15.399	12.7	0.5	6.35
19911108	1.206	0.396	0.396	27.535	12.3	0.5	6.15
19911109	1.079	0.624	0.624	45.837	8.4	0.5	4.2
19911110	1.158	0.431	0.431	35.126	4.5	0.5	2.25
19911111	1.093	0.530	0.530	46.126	4	0.5	2
19911112	0.997	0.689	0.689	60.993	4.6	0.5	2.3
19911113	0.866	1.097	1.097	81.692	9	0.5	4.5
19911114	0.979	0.662	0.662	62.584	8.9	0.5	4.45
19911115	1.066	0.649	0.649	48.362	8.8	0.5	4.4
19911116	1.123	0.530	0.530	41.090	7.6	0.5	3.8
19911117	1.022	0.662	0.662	55.299	3.9	0.5	1.95
19911118	0.853	0.906	0.906	83.839	6.5	0.5	3.25
19911119	0.945	0.855	0.855	69.281	7.6	0.5	3.8
19911120	0.965	0.839	0.839	65.852	9.8	0.5	4.9
19911121	0.939	0.889	0.889	68.458	6.4	0.5	3.2
19911122	1.153	0.431	0.431	34.479	3.3	0.5	1.65
19911123	1.225	0.306	0.306	23.584	3.3	0.5	1.65
19911124	1.281	0.263	0.263	15.630	9.5	0.5	4.75
19911125	1.280	0.269	0.269	16.919	9.1	0.5	4.55
19911126	1.147	0.459	0.459	34.414	6.4	0.5	3.2
19911127	1.130	0.498	0.498	36.639	9	0.5	4.5
19911128	1.202	0.372	0.372	27.323	5.6	0.5	2.8
19911129	1.121	0.459	0.459	38.085	3.4	0.5	1.7
19911130	1.223	0.320	0.320	23.190	8.3	0.5	4.15
19911201	1.299	0.240	0.240	13.820	8.4	0.2	1.68
19911202	1.269	0.257	0.257	18.114	5.3	0.2	1.06
19911203	1.287	0.205	0.205	15.707	6.5	0.2	1.3
19911204	1.362	0.142	0.142	8.791	5.1	0.2	1.02
19911205	1.267	0.246	0.246	18.556	6.5	0.2	1.3
19911206	1.135	0.449	0.449	35.502	5	0.2	1
19911207	1.028	0.689	0.689	51.344	6.1	0.2	1.22
19911208	1.056	0.575	0.575	48.607	4.3	0.2	0.86
19911209	1.040	0.624	0.624	53.008	5	0.2	1
19911210	1.020	0.717	0.717	54.498	6.4	0.2	1.28
19911211	1.048	0.676	0.676	51.008	7.2	0.2	1.44
19911212	1.062	0.587	0.587	46.373	3.1	0.2	0.62
19911213	1.101	0.552	0.552	40.594	3.6	0.2	0.72
19911214	1.220	0.364	0.364	23.654	6.9	0.2	1.38
19911215	1.273	0.281	0.281	18.242	7.2	0.2	1.44
19911216	1.034	0.703	0.703	53.077	6.2	0.2	1.24
19911217	1.223	0.372	0.372	23.606	6	0.2	1.2
19911218	1.327	0.235	0.235	12.457	6.9	0.2	1.38
19911219	1.221	0.388	0.388	26.182	4.4	0.2	0.88
19911220	1.076	0.587	0.587	49.015	2.5	0.2	0.5
19911221	1.071	0.676	0.676	47.630	6.4	0.2	1.28
19911222	1.000	0.746	0.746	58.184	6.4	0.2	1.28
19911223	1.102	0.564	0.564	41.993	0m	0.2	#VALUE!
19911224	1.094	0.564	0.564	43.965	6.3	0.2	1.26
19911225	1.050	0.624	0.624	52.385	6	0.2	1.2
19911226	1.084	0.530	0.530	47.982	2.1	0.2	0.42
19911227	1.139	0.449	0.449	40.895	2.1	0.2	0.42
19911228	1.072	0.541	0.541	50.597	3.2	0.2	0.64
19911229	1.046	0.599	0.599	53.310	3.3	0.2	0.66
19911230	1.052	0.599	0.599	53.610	0m	0.2	#VALUE!
19911231	1.043	0.649	0.649	55.503	2.1	0.2	0.42
19920101	1.03478	0.636	0.636	56.31065764	2.1	0.2	0.42
19920102	1.009	0.649	0.649	59.073	2.1	0.2	0.42
19920103	0.985	0.717	0.717	62.385	2.1	0.2	0.42
19920104	1.107	0.519	0.519	42.074	2.1	0.2	0.42

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19920105	1.017	0.636	0.636	57.583	2.1	0.2	0.42
19920106	1.114	0.478	0.478	40.896	2.1	0.2	0.42
19920107	1.078	0.552	0.552	46.946	2.1	0.2	0.42
19920108	1.123	0.431	0.431	38.358	2.1	0.2	0.42
19920109	1.223	0.306	0.306	23.431	5.3	0.2	1.06
19920110	1.123	0.498	0.498	38.633	6	0.2	1.2
19920111	0.951	0.807	0.807	66.159	6.1	0.2	1.22
19920112	1.098	0.478	0.478	40.656	3.5	0.2	0.7
19920113	1.242	0.293	0.293	20.085	4.5	0.2	0.9
19920114	1.282	0.230	0.230	15.514	3.1	0.2	0.62
19920115	1.374	0.135	0.135	6.897	6.5	0.2	1.3
19920116	1.159	0.405	0.405	31.562	2.5	0.2	0.5
19920117	1.272	0.269	0.269	16.651	6.5	0.2	1.3
19920118	1.355	0.163	0.163	9.709	6.7	0.2	1.34
19920119	1.186	0.405	0.405	27.718	4.4	0.2	0.88
19920120	1.074	0.587	0.587	46.667	6.4	0.2	1.28
19920121	1.074	0.611	0.611	45.229	6.6	0.2	1.32
19920122	1.048	0.611	0.611	47.979	3.3	0.2	0.66
19920123	1.182	0.388	0.388	26.376	6.4	0.2	1.28
19920124	1.288	0.240	0.240	14.301	6.6	0.2	1.32
19920125	1.272	0.263	0.263	17.732	4.5	0.2	0.9
19920126	1.150	0.449	0.449	35.278	4.8	0.2	0.96
19920127	1.226	0.349	0.349	24.581	4.8	0.2	0.96
19920128	1.172	0.422	0.422	32.920	6.9	0.2	1.38
19920129	0.972	0.776	0.776	64.784	3.6	0.2	0.72
19920130	0.961	0.791	0.791	66.461	4.1	0.2	0.82
19920131	1.064	0.624	0.624	48.643	5.1	0.2	1.02
19920201	0.993	0.791	0.791	61.319	7.4	0.2	1.48
19920202	0.974	0.807	0.807	64.142	7.3	0.2	1.46
19920203	1.028	0.689	0.689	54.446	5.5	0.2	1.1
19920204	1.146	0.468	0.468	36.777	5.6	0.2	1.12
19920205	0.985	0.791	0.791	60.923	7.8	0.2	1.56
19920206	1.078	0.649	0.649	43.169	6.4	0.2	1.28
19920207	1.209	0.388	0.388	24.049	5.2	0.2	1.04
19920208	1.291	0.251	0.251	15.078	8.3	0.2	1.66
19920209	1.242	0.320	0.320	21.591	7.6	0.2	1.52
19920210	1.241	0.306	0.306	21.287	5.4	0.2	1.08
19920211	1.333	0.235	0.235	10.577	6.7	0.2	1.34
19920212	1.249	0.341	0.341	20.475	5.4	0.2	1.08
19920213	1.312	0.478	0.478	0.000	0m	0.2	#VALUE!
19920214	1.149	0.431	0.431	34.479	3.1	0.2	0.62
19920215	1.068	0.587	0.587	46.080	3.4	0.2	0.68
19920216	1.054	0.611	0.611	50.118	3.2	0.2	0.64
19920217	1.012	0.676	0.676	57.764	4	0.2	0.8
19920218	1.051	0.575	0.575	50.332	4.5	0.2	0.9
19920219	1.165	0.405	0.405	32.372	4.9	0.2	0.98
19920220	1.157	0.449	0.449	32.581	5.6	0.2	1.12
19920221	1.218	0.349	0.349	25.801	6.5	0.2	1.3
19920222	1.102	0.564	0.564	42.556	3.8	0.2	0.76
19920223	1.111	0.530	0.530	41.355	7.2	0.2	1.44
19920224	1.156	0.422	0.422	34.819	6.7	0.2	1.34
19920225	1.221	0.349	0.349	24.581	7	0.2	1.4
19920226	1.033	0.717	0.717	51.271	9.3	0.2	1.86
19920227	1.005	0.823	0.823	55.533	8.6	0.2	1.72
19920228	1.008	0.776	0.776	54.698	6.7	0.2	1.34
19920229	#DIV/0!	0.906	0.906	0.000	7.5	0.2	1.5
19920301	0.786	1.422	1.422	95.960	11.2	0.5	5.6
19920302	0.867	0.906	0.906	85.652	6.5	0.5	3.25
19920303	0.995	0.689	0.689	62.371	4.1	0.5	2.05
19920304	0.928	0.823	0.823	73.633	4.1	0.5	2.05
19920305	0.826	0.979	0.979	92.480	4.7	0.5	2.35
19920306	0.752	1.097	1.097	105.816	4.4	0.5	2.2
19920307	0.811	1.036	1.036	94.285	4.3	0.5	2.15
19920308	0.982	0.731	0.731	62.899	5.6	0.5	2.8
19920309	1.167	0.459	0.459	30.514	8.3	0.5	4.15

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19920310	1.254	0.364	0.364	16.740	13.6	0.5	6.8
19920311	1.148	0.488	0.488	33.205	7.6	0.5	3.8
19920312	1.223	0.372	0.372	22.863	14.1	0.5	7.05
19920313	1.080	0.564	0.564	45.656	8	0.5	4
19920314	1.106	0.552	0.552	40.870	10.2	0.5	5.1
19920315	1.167	0.530	0.530	31.016	14.7	0.5	7.35
19920316	1.039	0.776	0.776	49.267	12.7	0.5	6.35
19920317	1.192	0.509	0.509	24.934	13.8	0.5	6.9
19920318	1.189	0.624	0.624	23.074	14.2	0.5	7.1
19920319	1.109	0.717	0.717	37.646	15	0.5	7.5
19920320	1.114	0.649	0.649	37.976	15.8	0.5	7.9
19920321	1.166	0.488	0.488	30.275	6.7	0.5	3.35
19920322	1.123	0.564	0.564	37.202	15.7	0.5	7.85
19920323	0.978	0.942	0.942	60.752	15.7	0.5	7.85
19920324	0.900	1.321	1.321	73.319	16.1	0.5	8.05
19920325	1.081	0.807	0.807	40.341	15.9	0.5	7.95
19920326	1.187	0.498	0.498	25.672	16.9	0.5	8.45
19920327	1.118	0.662	0.662	38.411	16.7	0.5	8.35
19920328	1.019	0.761	0.761	56.298	8	0.5	4
19920329	0.965	0.807	0.807	66.966	7.7	0.5	3.85
19920330	1.002	0.960	0.960	57.126	16.3	0.5	8.15
19920331	1.179	0.564	0.564	25.647	10.7	0.5	5.35
19920401	1.185	0.552	0.552	25.682	17.6	0.775	13.64
19920402	1.156	0.636	0.636	29.269	18.4	0.775	14.26
19920403	1.037	1.076	1.076	44.118	15.6	0.775	12.09
19920404	1.088	0.839	0.839	39.008	18.6	0.775	14.415
19920405	#DIV/0!	1.673	1.673	0.000	0m	0.775	#VALUE!
19920406	0.798	1.371	1.371	94.567	15.1	0.775	11.7025
19920407	0.934	0.997	0.997	70.321	18.5	0.775	14.3375
19920408	1.013	0.839	0.839	55.785	11	0.775	8.525
19920409	0.970	0.906	0.906	63.899	16.5	0.775	12.7875
19920410	0.998	0.855	0.855	57.306	7.9	0.775	6.1225
19920411	1.113	0.611	0.611	39.117	15.5	0.775	12.0125
19920412	1.247	0.459	0.459	19.501	16.9	0.775	13.0975
19920413	1.085	0.689	0.689	45.831	10	0.775	7.75
19920414	0.939	0.979	0.979	70.950	12.5	0.775	9.6875
19920415	0.897	0.979	0.979	78.290	7.4	0.775	5.735
19920416	0.910	0.942	0.942	75.822	9.6	0.775	7.44
19920417	0.940	0.855	0.855	70.564	8.2	0.775	6.355
19920418	0.727	1.250	1.250	109.358	7.3	0.775	5.6575
19920419	0.793	1.204	1.204	93.927	15.7	0.775	12.1675
19920420	0.909	0.807	0.807	73.421	11.3	0.775	8.7575
19920421	1.046	0.552	0.552	48.326	17.3	0.775	13.4075
19920422	1.050	0.599	0.599	49.717	8.6	0.775	6.665
19920423	1.034	0.731	0.731	52.660	7.8	0.775	6.045
19920424	1.006	0.839	0.839	57.463	14.8	0.775	11.47
19920425	1.036	0.731	0.731	53.026	16.2	0.775	12.555
19920426	1.053	0.776	0.776	50.043	12.2	0.775	9.455
19920427	1.045	1.017	1.017	49.306	23.5	0.775	18.2125
19920428	0.764	1.928	1.928	99.299	20.2	0.775	15.655
19920429	0.705	2.104	2.104	110.485	22.2	0.775	17.205
19920430	#DIV/0!	2.375	2.375	0.000	21.6	0.775	16.74
19921101	1.018	0.703	0.703	55.538	4.7	0.5	2.35
19921102	1.004	0.575	0.575	55.222	2.5	0.5	1.25
19921103	#DIV/0!	0.530	0.530	0.000	0m	0.5	#VALUE!
19921104	#DIV/0!	0.488	0.488	0.000	0m	0.5	#VALUE!
19921105	1.174	0.431	0.431	30.601	4.1	0.5	2.05
19921106	1.201	0.388	0.388	28.510	4.2	0.5	2.1
19921107	#DIV/0!	0.396	0.396	0.000	0m	0.5	#VALUE!
19921108	#DIV/0!	0.587	0.587	0.000	0m	0.5	#VALUE!
19921109	0.920	0.872	0.872	73.688	5.1	0.5	2.55
19921110	#DIV/0!	0.823	0.823	0.000	4.1	0.5	2.05
19921111	1.008	0.823	0.823	57.590	11.4	0.5	5.7
19921112	1.071	0.636	0.636	44.540	10	0.5	5
19921113	1.180	0.449	0.449	27.638	4.1	0.5	2.05

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19921114	1.177	0.440	0.440	30.808	6.4	0.5	3.2
19921115	1.144	0.564	0.564	35.511	10.7	0.5	5.35
19921116	1.045	0.717	0.717	50.554	4.1	0.5	2.05
19921117	1.109	0.575	0.575	41.704	3.7	0.5	1.85
19921118	1.057	0.624	0.624	52.385	3.8	0.5	1.9
19921119	1.062	0.624	0.624	50.826	4.4	0.5	2.2
19921120	1.030	0.611	0.611	54.397	3.4	0.5	1.7
19921121	1.096	0.575	0.575	42.279	3.4	0.5	1.7
19921122	1.128	0.498	0.498	36.639	3.4	0.5	1.7
19921123	1.101	0.552	0.552	41.699	3.3	0.5	1.65
19921124	1.114	0.541	0.541	40.856	3.2	0.5	1.6
19921125	1.121	0.509	0.509	39.692	3	0.5	1.5
19921126	1.157	0.488	0.488	32.961	7.1	0.5	3.55
19921127	#DIV/0!	0.396	0.396	0.000	0m	0.5	#VALUE!
19921128	#DIV/0!	0.564	0.564	0.000	0m	0.5	#VALUE!
19921129	1.091	0.509	0.509	44.271	3.4	0.5	1.7
19921130	#DIV/0!	0.431	0.431	0.000	3.4	0.5	1.7
19921201	1.018	0.703	0.703	52.726	4.1	0.2	0.82
19921202	1.158	0.459	0.459	31.891	2.9	0.2	0.58
19921203	1.181	0.380	0.380	30.379	3	0.2	0.6
19921204	1.238	0.306	0.306	22.971	6.3	0.2	1.26
19921205	1.262	0.287	0.287	19.937	0m	0.2	#VALUE!
19921206	1.164	0.396	0.396	32.884	2.6	0.2	0.52
19921207	1.208	0.341	0.341	26.788	3.4	0.2	0.68
19921208	1.179	0.356	0.356	31.881	2.6	0.2	0.52
19921209	1.003	0.662	0.662	57.948	2.4	0.2	0.48
19921210	#DIV/0!	0.449	0.449	0.000	3.8	0.2	0.76
19921211	1.139	0.440	0.440	37.409	2.5	0.2	0.5
19921212	1.102	0.541	0.541	42.750	4.2	0.2	0.84
19921213	1.050	0.611	0.611	53.174	2.5	0.2	0.5
19921214	1.093	0.488	0.488	45.169	2.1	0.2	0.42
19921215	1.094	0.459	0.459	41.756	2.2	0.2	0.44
19921216	1.190	0.356	0.356	27.784	2.3	0.2	0.46
19921217	1.209	0.356	0.356	26.181	5.1	0.2	1.02
19921218	1.125	0.449	0.449	39.097	2.2	0.2	0.44
19921219	1.258	0.263	0.263	18.389	6.7	0.2	1.34
19921220	1.234	0.320	0.320	22.391	6.5	0.2	1.3
19921221	1.159	0.431	0.431	31.247	6.2	0.2	1.24
19921222	1.181	0.388	0.388	28.704	3.1	0.2	0.62
19921223	1.345	0.163	0.163	10.770	6	0.2	1.2
19921224	1.262	0.275	0.275	18.944	2.6	0.2	0.52
19921225	1.261	0.269	0.269	19.068	5.9	0.2	1.18
19921226	1.311	0.215	0.215	13.212	3.9	0.2	0.78
19921227	1.216	0.327	0.327	24.841	4.4	0.2	0.88
19921228	1.324	0.171	0.171	14.101	2.1	0.2	0.42
19921229	1.338	0.135	0.135	12.577	2.1	0.2	0.42
19921230	1.350	0.129	0.129	10.575	2.1	0.2	0.42
19921231	1.396	0.109	0.109	7.303	5.2	0.2	1.04
19930101	1.378	0.138	0.138	9.347	6.4	0.2	1.28
19930102	1.186	0.364	0.364	30.386	2	0.2	0.4
19930103	1.198	0.327	0.327	26.639	2	0.2	0.4
19930104	1.388	0.167	0.167	0.000	5.7	0.2	1.14
19930105	1.324	0.175	0.175	13.469	2.6	0.2	0.52
19930106	1.337	0.163	0.163	11.504	6.2	0.2	1.24
19930107	1.317	0.183	0.183	13.279	0m	0.2	#VALUE!
19930108	1.355	0.149	0.149	10.329	0m	0.2	#VALUE!
19930109	1.374	0.145	0.145	9.000	4.1	0.2	0.82
19930110	1.375	0.142	0.142	9.074	4.7	0.2	0.94
19930111	1.298	0.220	0.220	16.809	3.1	0.2	0.62
19930112	1.165	0.388	0.388	33.746	1.5	0.2	0.3
19930113	1.208	0.327	0.327	27.129	2.7	0.2	0.54
19930114	1.313	0.183	0.183	14.836	3	0.2	0.6
19930115	1.304	0.196	0.196	14.714	6.4	0.2	1.28
19930116	1.231	0.287	0.287	21.945	5.7	0.2	1.14
19930117	1.343	0.163	0.163	10.035	6.6	0.2	1.32

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19930118	1.273	0.293	0.293	18.473	2.9	0.2	0.58
19930119	1.268	0.300	0.300	20.079	3.9	0.2	0.78
19930120	1.236	0.300	0.300	24.125	3.4	0.2	0.68
19930121	1.065	0.541	0.541	48.432	2.2	0.2	0.44
19930122	1.072	0.587	0.587	45.786	6.7	0.2	1.34
19930123	1.158	0.431	0.431	30.816	2.2	0.2	0.44
19930124	1.273	0.263	0.263	18.126	6.2	0.2	1.24
19930125	1.287	0.235	0.235	17.628	7.1	0.2	1.42
19930126	1.106	0.541	0.541	39.774	3.4	0.2	0.68
19930127	1.162	0.422	0.422	33.342	2.6	0.2	0.52
19930128	1.264	0.269	0.269	18.531	6.5	0.2	1.3
19930129	1.329	0.196	0.196	13.144	7.5	0.2	1.5
19930130	1.129	0.519	0.519	37.399	7	0.2	1.4
19930131	1.043	0.746	0.746	49.606	6.8	0.2	1.36
19930201	1.057	0.676	0.676	51.346	7.6	0.2	1.52
19930202	1.023	0.689	0.689	57.547	6.8	0.2	1.36
19930203	1.103	0.530	0.530	45.066	3.7	0.2	0.74
19930204	1.062	0.564	0.564	53.830	1.2	0.2	0.24
19930205	1.075	0.541	0.541	50.056	4.7	0.2	0.94
19930206	1.114	0.468	0.468	42.633	2.8	0.2	0.56
19930207	1.152	0.422	0.422	34.397	2.8	0.2	0.56
19930208	1.205	0.356	0.356	27.784	2.9	0.2	0.58
19930209	1.079	0.519	0.519	47.268	2.9	0.2	0.58
19930210	1.180	0.396	0.396	31.497	3	0.2	0.6
19930211	1.240	0.349	0.349	21.966	3.9	0.2	0.78
19930212	1.220	0.341	0.341	24.058	4.5	0.2	0.9
19930213	1.278	0.220	0.220	17.139	6.4	0.2	1.28
19930214	1.305	0.215	0.215	13.319	7.9	0.2	1.58
19930215	1.354	0.149	0.149	9.660	0m	0.2	#VALUE!
19930216	1.385	0.123	0.123	6.823	8.9	0.2	1.78
19930217	1.407	0.099	0.099	5.834	10	0.2	2
19930218	1.323	0.192	0.192	11.697	9.8	0.2	1.96
19930219	1.284	0.240	0.240	15.022	8.2	0.2	1.64
19930220	1.254	0.287	0.287	17.929	6.1	0.2	1.22
19930221	#DIV/0!	0.306	0.306	0.000	3.1	0.2	0.62
19930222	1.280	0.215	0.215	16.434	4.3	0.2	0.86
19930223	1.375	0.126	0.126	7.366	11.1	0.2	2.22
19930224	1.341	0.171	0.171	11.025	11.2	0.2	2.24
19930225	1.331	0.192	0.192	11.313	10.1	0.2	2.02
19930226	1.301	0.246	0.246	15.238	11.5	0.2	2.3
19930227	1.285	0.251	0.251	16.837	0m	0.2	#VALUE!
19930228	#DIV/0!	0.413	0.413	0.000	11.3	0.2	2.26
19930301	1.066	0.649	0.649	46.415	11.7	0.5	5.85
19930302	1.127	0.488	0.488	36.623	10.2	0.5	5.1
19930303	1.141	0.530	0.530	33.932	11.1	0.5	5.55
19930304	1.135	0.519	0.519	36.360	11.7	0.5	5.85
19930305	1.066	0.599	0.599	48.519	12.4	0.5	6.2
19930306	1.049	0.611	0.611	50.424	9.7	0.5	4.85
19930307	0.995	0.776	0.776	57.414	11.3	0.5	5.65
19930308	1.076	0.636	0.636	44.858	4.5	0.5	2.25
19930309	1.059	0.624	0.624	48.955	3	0.5	1.5
19930310	1.153	0.413	0.413	34.508	4.6	0.5	2.3
19930311	1.292	0.263	0.263	15.368	14	0.5	7
19930312	1.281	0.269	0.269	17.322	11	0.5	5.5
19930313	1.335	0.201	0.201	10.035	14.6	0.5	7.3
19930314	1.301	0.240	0.240	13.099	14.5	0.5	7.25
19930315	1.125	0.519	0.519	36.100	13.1	0.5	6.55
19930316	1.190	0.440	0.440	26.627	14.2	0.5	7.1
19930317	1.346	0.225	0.225	9.551	15.5	0.5	7.75
19930318	1.255	0.327	0.327	20.756	14.1	0.5	7.05
19930319	1.081	0.575	0.575	47.169	5.3	0.5	2.65
19930320	1.129	0.519	0.519	39.217	5.4	0.5	2.7
19930321	1.167	0.509	0.509	32.059	8.3	0.5	4.15
19930322	1.146	0.530	0.530	36.053	5.7	0.5	2.85
19930323	1.093	0.717	0.717	41.949	13.5	0.5	6.75

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19930324	1.045	0.731	0.731	51.928	6.5	0.5	3.25
19930325	1.010	0.717	0.717	59.876	5.5	0.5	2.75
19930326	0.961	0.906	0.906	67.071	16.7	0.5	8.35
19930327	0.889	0.979	0.979	80.736	12.8	0.5	6.4
19930328	0.923	1.036	1.036	72.527	16.6	0.5	8.3
19930329	0.995	0.942	0.942	57.455	16.3	0.5	8.15
19930330	0.946	0.924	0.924	66.988	6.6	0.5	3.3
19930331	0.995	0.689	0.689	59.959	4.8	0.5	2.4
19930401	1.173	0.564	0.564	27.338	18.4	0.775	14.26
19930402	1.174	0.599	0.599	26.356	18.8	0.775	14.57
19930403	1.121	0.717	0.717	36.929	18.9	0.775	14.6475
19930404	1.100	0.823	0.823	39.901	19	0.775	14.725
19930405	1.042	0.997	0.997	48.377	18.5	0.775	14.3375
19930406	1.028	0.889	0.889	52.455	15.9	0.775	12.3225
19930407	1.019	0.731	0.731	55.220	6.5	0.775	5.0375
19930408	0.931	0.761	0.761	70.752	7.1	0.775	5.5025
19930409	1.265	0.839	0.839	0.000	0m	0.775	#VALUE!
19930410	1.030	0.746	0.746	51.098	12.7	0.775	9.8425
19930411	0.955	0.807	0.807	66.966	6.4	0.775	4.96
19930412	1.027	0.839	0.839	54.107	7.7	0.775	5.9675
19930413	1.033	0.791	0.791	52.615	10.7	0.775	8.2925
19930414	1.000	0.731	0.731	58.877	7	0.775	5.425
19930415	1.006	0.889	0.889	54.233	8.5	0.775	6.5875
19930416	1.096	0.960	0.960	34.564	19.9	0.775	15.4225
19930417	0.946	1.321	1.321	63.411	20	0.775	15.5
19930418	0.794	1.501	1.501	93.088	15.9	0.775	12.3225
19930419	1.002	0.906	0.906	54.382	8.2	0.775	6.355
19930420	1.119	0.906	0.906	32.629	21	0.775	16.275
19930421	1.070	1.017	1.017	42.698	22.2	0.775	17.205
19930422	0.929	1.297	1.297	67.440	21.4	0.775	16.585
19930423	#DIV/0!	1.396	1.396	0.000	0m	0.775	#VALUE!
19930424	0.736	1.396	1.396	103.993	7.6	0.775	5.89
19930425	1.021	0.906	0.906	53.476	22.4	0.775	17.36
19930426	1.037	0.997	0.997	50.372	20.9	0.775	16.1975
19930427	0.700	1.557	1.557	115.201	13.1	0.775	10.1525
19930428	0.766	1.643	1.643	101.055	21	0.775	16.275
19930429	0.878	1.227	1.227	79.743	20.6	0.775	15.965
19930430	#DIV/0!	0.906	0.906	0.000	16.9	0.775	13.0975
19931101	1.117	0.746	0.746	35.433	10	0.5	5
19931102	1.000	0.889	0.889	57.344	11.6	0.5	5.8
19931103	1.020	0.979	0.979	49.420	9.6	0.5	4.8
19931104	0.969	0.839	0.839	60.818	5.2	0.5	2.6
19931105	1.114	0.519	0.519	39.996	4.4	0.5	2.2
19931106	1.222	0.356	0.356	23.510	5.1	0.5	2.55
19931107	1.069	0.662	0.662	45.365	6.4	0.5	3.2
19931108	1.163	0.509	0.509	32.059	4.8	0.5	2.4
19931109	1.034	0.717	0.717	55.215	4.9	0.5	2.45
19931110	1.103	0.636	0.636	41.676	10.9	0.5	5.45
19931111	1.064	0.636	0.636	47.721	4	0.5	2
19931112	1.105	0.530	0.530	40.825	7	0.5	3.5
19931113	1.003	0.636	0.636	56.629	3.8	0.5	1.9
19931114	1.091	0.541	0.541	44.374	5.7	0.5	2.85
19931115	1.074	0.624	0.624	47.708	10.8	0.5	5.4
19931116	0.973	0.746	0.746	66.390	3.6	0.5	1.8
19931117	1.069	0.703	0.703	47.804	10.3	0.5	5.15
19931118	0.953	0.872	0.872	66.275	0m	0.5	#VALUE!
19931119	1.119	0.636	0.636	35.313	9.8	0.5	4.9
19931120	#DIV/0!	0.761	0.761	0.000	0m	0.5	#VALUE!
19931121	#DIV/0!	0.823	0.823	0.000	0m	0.5	#VALUE!
19931122	1.152	0.488	0.488	34.182	3.7	0.5	1.85
19931123	1.112	0.498	0.498	41.624	3.3	0.5	1.65
19931124	1.194	0.478	0.478	27.025	3.3	0.5	1.65
19931125	1.244	0.293	0.293	21.991	2.9	0.5	1.45
19931126	1.322	0.159	0.159	12.355	7.2	0.5	3.6
19931127	1.286	0.196	0.196	15.498	4	0.5	2

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19931128	#DIV/0!	0.269	0.269	0.000	0m	0.5	#VALUE!
19931129	1.175	0.431	0.431	31.678	5.8	0.5	2.9
19931130	#DIV/0!	0.478	0.478	0.000	6.5	0.5	3.25
19931201	1.037	0.624	0.624	54.256	2.7	0.2	0.54
19931202	1.081	0.587	0.587	45.493	3.5	0.2	0.7
19931203	1.095	0.509	0.509	45.289	2.8	0.2	0.56
19931204	1.100	0.498	0.498	42.372	2.7	0.2	0.54
19931205	1.030	0.587	0.587	53.124	2.7	0.2	0.54
19931206	1.181	0.388	0.388	29.867	7.9	0.2	1.58
19931207	#DIV/0!	0.431	0.431	0.000	0m	0.2	#VALUE!
19931208	1.113	0.498	0.498	39.880	4.4	0.2	0.88
19931209	1.029	0.746	0.746	50.352	6	0.2	1.2
19931210	1.229	0.349	0.349	21.617	6.8	0.2	1.36
19931211	1.238	0.341	0.341	21.840	7.2	0.2	1.44
19931212	#DIV/0!	0.776	0.776	0.000	0m	0.2	#VALUE!
19931213	#DIV/0!	0.649	0.649	0.000	3.6	0.2	0.72
19931214	1.125	0.488	0.488	38.088	2.3	0.2	0.46
19931215	1.125	0.530	0.530	38.174	6.7	0.2	1.34
19931216	1.075	0.587	0.587	48.134	4.4	0.2	0.88
19931217	1.044	0.587	0.587	53.124	2.3	0.2	0.46
19931218	1.070	0.552	0.552	48.050	2	0.2	0.4
19931219	1.106	0.498	0.498	40.876	2.3	0.2	0.46
19931220	1.191	0.341	0.341	27.642	2.4	0.2	0.48
19931221	1.162	0.380	0.380	32.088	2.4	0.2	0.48
19931222	1.297	0.196	0.196	14.714	3.8	0.2	0.76
19931223	1.330	0.167	0.167	11.774	3.2	0.2	0.64
19931224	1.267	0.240	0.240	17.666	4.7	0.2	0.94
19931225	1.331	0.171	0.171	9.999	6.3	0.2	1.26
19931226	1.356	0.156	0.156	7.320	5.5	0.2	1.1
19931227	1.418	0.096	0.096	4.873	6.5	0.2	1.3
19931228	1.343	0.179	0.179	10.382	5	0.2	1
19931229	1.292	0.246	0.246	15.115	6.4	0.2	1.28
19931230	1.231	0.300	0.300	22.926	1.9	0.2	0.38
19931231	1.101	0.530	0.530	41.090	2.5	0.2	0.5
19940101	1.253	0.300	0.300	19.629	2.7	0.2	0.54
19940102	1.312	0.192	0.192	13.615	2.4	0.2	0.48
19940103	1.339	0.179	0.179	10.740	4.5	0.2	0.9
19940104	1.311	0.196	0.196	13.340	2.1	0.2	0.42
19940105	1.308	0.187	0.187	13.588	1.6	0.2	0.32
19940106	1.344	0.132	0.132	9.905	2.4	0.2	0.48
19940107	1.396	0.092	0.092	6.200	5.6	0.2	1.12
19940108	1.384	0.109	0.109	7.630	4	0.2	0.8
19940109	1.339	0.163	0.163	12.157	5.1	0.2	1.02
19940110	1.240	0.306	0.306	22.052	2.5	0.2	0.5
19940111	1.315	0.210	0.210	13.862	3	0.2	0.6
19940112	1.270	0.251	0.251	17.843	4.2	0.2	0.84
19940113	1.353	0.145	0.145	9.000	5.7	0.2	1.14
19940114	1.413	0.083	0.083	5.075	6.5	0.2	1.3
19940115	1.442	0.072	0.072	3.722	6.7	0.2	1.34
19940116	1.358	0.132	0.132	8.980	2.3	0.2	0.46
19940117	1.419	0.079	0.079	4.590	6.7	0.2	1.34
19940118	1.461	0.055	0.055	3.241	6.7	0.2	1.34
19940119	1.421	0.087	0.087	4.809	6.2	0.2	1.24
19940120	1.404	0.112	0.112	6.700	6.5	0.2	1.3
19940121	1.221	0.349	0.349	25.801	6.5	0.2	1.3
19940122	1.246	0.293	0.293	21.551	5.8	0.2	1.16
19940123	1.176	0.388	0.388	30.255	6.7	0.2	1.34
19940124	1.231	0.349	0.349	22.489	6.9	0.2	1.38
19940125	1.230	0.334	0.334	24.047	1.9	0.2	0.38
19940126	1.253	0.306	0.306	21.134	3.2	0.2	0.64
19940127	1.233	0.287	0.287	22.663	2.5	0.2	0.5
19940128	1.212	0.313	0.313	24.884	2.6	0.2	0.52
19940129	1.355	0.142	0.142	9.216	6.5	0.2	1.3
19940130	1.430	0.075	0.075	5.194	7.5	0.2	1.5
19940131	1.393	0.104	0.104	7.268	5	0.2	1

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19940201	1.296	0.220	0.220	15.161	4.9	0.2	0.98
19940202	1.308	0.192	0.192	12.176	4.5	0.2	0.9
19940203	1.342	0.152	0.152	9.585	7.8	0.2	1.56
19940204	1.318	0.196	0.196	11.084	8.2	0.2	1.64
19940205	1.281	0.240	0.240	14.301	7	0.2	1.4
19940206	1.362	0.129	0.129	8.318	8.1	0.2	1.62
19940207	1.434	0.081	0.081	3.854	4.2	0.2	0.84
19940208	1.402	0.090	0.090	6.363	2.9	0.2	0.58
19940209	1.433	0.068	0.068	4.592	8.8	0.2	1.76
19940210	1.300	0.210	0.210	15.122	3.5	0.2	0.7
19940211	#DIV/0!	0.210	0.210	0.000	0m	0.2	#VALUE!
19940212	#DIV/0!	0.275	0.275	0.000	0m	0.2	#VALUE!
19940213	#DIV/0!	0.364	0.364	0.000	0m	0.2	#VALUE!
19940214	1.131	0.541	0.541	34.904	9.1	0.2	1.82
19940215	1.181	0.440	0.440	30.588	9.4	0.2	1.88
19940216	1.062	0.676	0.676	48.981	8.4	0.2	1.68
19940217	1.114	0.530	0.530	40.294	9.4	0.2	1.88
19940218	0.988	0.839	0.839	57.882	5.9	0.2	1.18
19940219	1.085	0.587	0.587	41.677	3.4	0.2	0.68
19940220	1.290	0.257	0.257	14.389	10	0.2	2
19940221	1.325	0.230	0.230	11.722	10.4	0.2	2.08
19940222	1.306	0.263	0.263	13.397	6.4	0.2	1.28
19940223	1.263	0.263	0.263	18.783	2.6	0.2	0.52
19940224	1.295	0.220	0.220	13.513	10.9	0.2	2.18
19940225	1.292	0.205	0.205	15.912	3	0.2	0.6
19940226	1.329	0.196	0.196	13.242	11	0.2	2.2
19940227	1.244	0.320	0.320	23.030	4.8	0.2	0.96
19940228	#DIV/0!	0.449	0.449	0.000	5.2	0.2	1.04
19940301	1.180	0.422	0.422	31.231	11.1	0.5	5.55
19940302	1.029	0.703	0.703	54.835	10.7	0.5	5.35
19940303	0.983	0.791	0.791	60.527	11.5	0.5	5.75
19940304	0.914	1.036	1.036	72.527	12.2	0.5	6.1
19940305	0.837	1.056	1.056	88.697	7.2	0.5	3.6
19940306	1.079	0.662	0.662	44.372	5.8	0.5	2.9
19940307	1.182	0.509	0.509	27.224	11.8	0.5	5.9
19940308	1.248	0.356	0.356	19.948	13.3	0.5	6.65
19940309	1.210	0.422	0.422	24.690	13.5	0.5	6.75
19940310	1.219	0.405	0.405	23.065	13	0.5	6.5
19940311	1.140	0.564	0.564	36.356	11.2	0.5	5.6
19940312	1.082	0.676	0.676	45.941	13.2	0.5	6.6
19940313	1.031	0.823	0.823	52.653	12.7	0.5	6.35
19940314	0.979	0.979	0.979	57.739	10.4	0.5	5.2
19940315	1.124	0.624	0.624	35.235	14.5	0.5	7.25
19940316	1.179	0.649	0.649	25.317	13.8	0.5	6.9
19940317	0.999	0.906	0.906	54.382	8.7	0.5	4.35
19940318	0.956	0.872	0.872	64.095	6.8	0.5	3.4
19940319	0.868	1.139	1.139	80.836	9.2	0.5	4.6
19940320	1.020	0.717	0.717	53.063	7	0.5	3.5
19940321	0.951	1.017	1.017	64.047	15.7	0.5	7.85
19940322	1.026	1.076	1.076	46.808	15.2	0.5	7.6
19940323	1.079	0.587	0.587	42.264	7	0.5	3.5
19940324	1.121	0.519	0.519	38.698	6.2	0.5	3.1
19940325	1.136	0.636	0.636	34.677	14.9	0.5	7.45
19940326	0.978	0.791	0.791	61.319	5.5	0.5	2.75
19940327	1.066	0.624	0.624	45.837	8.1	0.5	4.05
19940328	1.098	0.611	0.611	41.256	10.3	0.5	5.15
19940329	1.144	0.564	0.564	35.229	9.8	0.5	4.9
19940330	1.111	0.662	0.662	40.729	17.4	0.5	8.7
19940331	1.024	1.056	1.056	50.684	17.8	0.5	8.9
19940401	0.897	1.273	1.273	74.481	17.9	0.775	13.8725
19940402	#DIV/0!	0.636	0.636	0.000	0m	0.775	#VALUE!
19940403	#DIV/0!	0.839	0.839	0.000	0m	0.775	#VALUE!
19940404	1.074	0.676	0.676	43.914	6.8	0.775	5.27
19940405	1.239	0.468	0.468	16.632	18.7	0.775	14.4925
19940406	1.125	0.649	0.649	36.353	18.4	0.775	14.26

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19940407	1.037	0.942	0.942	50.391	11.4	0.775	8.835
19940408	0.882	1.227	1.227	77.289	7.5	0.775	5.8125
19940409	0.980	0.979	0.979	59.696	11.3	0.775	8.7575
19940410	1.052	0.906	0.906	48.491	19.6	0.775	15.19
19940411	1.042	0.960	0.960	50.405	19.3	0.775	14.9575
19940412	0.981	0.924	0.924	59.596	7.6	0.775	5.89
19940413	0.900	1.182	1.182	71.508	18.1	0.775	14.0275
19940414	0.887	1.346	1.346	73.335	16.2	0.775	12.555
19940415	0.929	1.017	1.017	66.080	7.7	0.775	5.9675
19940416	1.019	1.204	1.204	49.372	20.8	0.775	16.12
19940417	0.973	1.422	1.422	58.998	21.2	0.775	16.43
19940418	0.786	2.295	2.295	91.791	20.3	0.775	15.7325
19940419	1.047	1.182	1.182	45.505	22.2	0.775	17.205
19940420	1.105	0.942	0.942	37.204	11.4	0.775	8.835
19940421	1.028	1.139	1.139	51.234	21.6	0.775	16.74
19940422	0.980	1.529	1.529	57.333	22.7	0.775	17.5925
19940423	0.756	2.032	2.032	99.583	19.3	0.775	14.9575
19940424	0.383	2.295	2.295	178.993	9.5	0.775	7.3625
19940425	0.720	1.227	1.227	109.800	7.6	0.775	5.89
19940426	0.851	1.097	1.097	81.692	10.5	0.775	8.1375
19940427	0.999	0.807	0.807	60.108	8.4	0.775	6.51
19940428	#DIV/0!	0.649	0.649	0.000	0m	0.775	#VALUE!
19940429	1.068	0.662	0.662	49.008	11.3	0.775	8.7575
19940430	#DIV/0!	0.761	0.761	0.000	11.9	0.775	9.2225
19941101	0.990	1.036	1.036	55.949	10.4	0.5	5.2
19941102	0.976	0.924	0.924	58.673	7.6	0.5	3.8
19941103	1.078	0.676	0.676	43.239	4.4	0.5	2.2
19941104	1.028	0.703	0.703	53.429	6.1	0.5	3.05
19941105	0.934	0.855	0.855	70.991	4.3	0.5	2.15
19941106	1.016	0.855	0.855	55.596	12.2	0.5	6.1
19941107	0.777	1.396	1.396	99.805	10.3	0.5	5.15
19941108	0.992	0.872	0.872	58.863	6	0.5	3
19941109	1.094	0.906	0.906	39.427	11	0.5	5.5
19941110	1.036	0.924	0.924	52.205	9.2	0.5	4.6
19941111	0.988	0.889	0.889	60.901	5.1	0.5	2.55
19941112	0.832	1.036	1.036	90.659	3.8	0.5	1.9
19941113	0.700	1.371	1.371	113.755	3.7	0.5	1.85
19941114	1.060	0.776	0.776	46.552	8.3	0.5	4.15
19941115	1.069	0.731	0.731	49.003	10.6	0.5	5.3
19941116	1.031	0.960	0.960	50.885	8.1	0.5	4.05
19941117	0.847	1.204	1.204	83.090	6.1	0.5	3.05
19941118	1.090	0.611	0.611	40.950	3.5	0.5	1.75
19941119	1.146	0.541	0.541	35.445	7.8	0.5	3.9
19941120	1.057	0.717	0.717	46.610	3.7	0.5	1.85
19941121	1.090	0.530	0.530	42.150	4.2	0.5	2.1
19941122	1.180	0.509	0.509	29.260	9.8	0.5	4.9
19941123	1.094	0.676	0.676	42.901	9.1	0.5	4.55
19941124	1.083	0.717	0.717	42.307	9	0.5	4.5
19941125	1.135	0.575	0.575	35.952	8.8	0.5	4.4
19941126	1.154	0.564	0.564	32.410	4.1	0.5	2.05
19941127	1.071	0.552	0.552	43.356	5.6	0.5	2.8
19941128	1.075	0.530	0.530	42.415	3.9	0.5	1.95
19941129	1.178	0.405	0.405	30.146	7.4	0.5	3.7
19941130	1.165	0.431	0.431	32.755	8.6	0.5	4.3
19941201	0.994	0.791	0.791	58.154	5.3	0.2	1.06
19941202	1.025	0.676	0.676	54.049	7.6	0.2	1.52
19941203	1.050	0.564	0.564	51.293	2.5	0.2	0.5
19941204	1.155	0.396	0.396	35.459	2.3	0.2	0.46
19941205	1.300	0.220	0.220	15.161	5.1	0.2	1.02
19941206	1.305	0.230	0.230	14.250	5.8	0.2	1.16
19941207	1.234	0.327	0.327	24.188	4.2	0.2	0.84
19941208	1.221	0.334	0.334	26.218	3.4	0.2	0.68
19941209	1.188	0.372	0.372	30.297	5.2	0.2	1.04
19941210	1.276	0.246	0.246	17.696	3.8	0.2	0.76
19941211	1.325	0.192	0.192	12.943	7	0.2	1.4

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19941212	1.225	0.327	0.327	25.332	6.9	0.2	1.38
19941213	#DIV/0!	0.246	0.246	0.000	0m	0.2	#VALUE!
19941214	1.202	0.341	0.341	30.201	2.3	0.2	0.46
19941215	1.167	0.388	0.388	33.746	2.3	0.2	0.46
19941216	1.093	0.488	0.488	44.680	2.3	0.2	0.46
19941217	1.132	0.468	0.468	37.479	2.7	0.2	0.54
19941218	1.199	0.380	0.380	28.670	6.8	0.2	1.36
19941219	1.155	0.449	0.449	33.255	5.2	0.2	1.04
19941220	1.154	0.440	0.440	34.108	6	0.2	1.2
19941221	1.091	0.519	0.519	46.489	3.7	0.2	0.74
19941222	1.069	0.587	0.587	49.895	4.6	0.2	0.92
19941223	1.067	0.636	0.636	49.948	6.2	0.2	1.24
19941224	1.019	0.761	0.761	57.058	6.3	0.2	1.26
19941225	0.990	0.823	0.823	61.703	4.4	0.2	0.88
19941226	0.925	0.906	0.906	73.416	4.9	0.2	0.98
19941227	0.936	0.855	0.855	70.564	5	0.2	1
19941228	1.156	0.488	0.488	34.182	5.2	0.2	1.04
19941229	1.159	0.468	0.468	35.137	2.7	0.2	0.54
19941230	1.143	0.478	0.478	36.830	1.8	0.2	0.36
19941231	#DIV/0!	0.293	0.293	0.000	5.7	0.2	1.14
19950101	1.270	0.269	0.269	17.591	2.7	0.2	0.54
19950102	1.260	0.275	0.275	19.493	2.4	0.2	0.48
19950103	1.328	0.196	0.196	11.771	4.5	0.2	0.9
19950104	1.352	0.167	0.167	10.271	4.2	0.2	0.84
19950105	1.251	0.287	0.287	18.790	2.3	0.2	0.46
19950106	1.230	0.281	0.281	21.329	2.1	0.2	0.42
19950107	1.293	0.215	0.215	13.964	6.2	0.2	1.24
19950108	1.289	0.246	0.246	14.869	4.5	0.2	0.9
19950109	1.239	0.320	0.320	22.871	2	0.2	0.4
19950110	1.181	0.380	0.380	30.759	2.6	0.2	0.52
19950111	1.010	0.611	0.611	57.147	0.8	0.2	0.16
19950112	#DIV/0!	0.541	0.541	0.000	0m	0.2	#VALUE!
19950113	1.150	0.468	0.468	33.966	4.5	0.2	0.9
19950114	1.181	0.405	0.405	29.539	3.7	0.2	0.74
19950115	1.317	0.468	0.468	0.000	3.5	0.2	0.7
19950116	1.292	0.624	0.624	0.000	0m	0.2	#VALUE!
19950117	1.136	0.468	0.468	34.669	2	0.2	0.4
19950118	1.172	0.440	0.440	30.588	6.5	0.2	1.3
19950119	1.230	0.300	0.300	23.525	6	0.2	1.2
19950120	1.249	0.281	0.281	20.628	6.3	0.2	1.26
19950121	1.354	0.263	0.263	0.000	4.6	0.2	0.92
19950122	1.365	0.215	0.215	0.000	2.8	0.2	0.56
19950123	1.290	0.225	0.225	15.282	6.9	0.2	1.38
19950124	1.252	0.320	0.320	19.832	4.4	0.2	0.88
19950125	1.230	0.372	0.372	23.234	3.3	0.2	0.66
19950126	1.134	0.509	0.509	37.911	5	0.2	1
19950127	1.127	0.564	0.564	36.356	5.9	0.2	1.18
19950128	1.176	0.468	0.468	30.218	2.8	0.2	0.56
19950129	1.248	0.300	0.300	22.027	2.5	0.2	0.5
19950130	1.183	0.413	0.413	28.515	5.4	0.2	1.08
19950131	0.998	0.791	0.791	56.176	5.6	0.2	1.12
19950201	1.121	0.519	0.519	36.360	2.6	0.2	0.52
19950202	1.109	0.564	0.564	39.456	7.5	0.2	1.5
19950203	1.178	0.422	0.422	29.754	4.5	0.2	0.9
19950204	1.290	0.263	0.263	14.448	7.2	0.2	1.44
19950205	1.314	0.257	0.257	11.049	8	0.2	1.6
19950206	1.265	0.306	0.306	16.692	4.2	0.2	0.84
19950207	1.293	0.251	0.251	14.073	5.5	0.2	1.1
19950208	1.246	0.341	0.341	19.451	6.5	0.2	1.3
19950209	1.037	0.649	0.649	50.959	3.6	0.2	0.72
19950210	#DIV/0!	0.334	0.334	0.000	6.1	0.2	1.22
19950211	1.404	0.132	0.132	0.000	0m	0.2	#VALUE!
19950212	1.326	0.187	0.187	11.995	9.1	0.2	1.82
19950213	1.334	0.183	0.183	11.081	9.1	0.2	1.82
19950214	1.256	0.269	0.269	19.605	4	0.2	0.8

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19950215	1.219	0.293	0.293	23.750	6	0.2	1.2
19950216	1.235	0.313	0.313	23.319	5.9	0.2	1.18
19950217	1.088	0.624	0.624	44.278	8.8	0.2	1.76
19950218	1.029	0.703	0.703	53.429	4.8	0.2	0.96
19950219	1.119	0.564	0.564	39.456	7.9	0.2	1.58
19950220	1.093	0.599	0.599	42.529	6.9	0.2	1.38
19950221	1.073	0.689	0.689	46.175	5.7	0.2	1.14
19950222	0.974	0.761	0.761	63.525	4.7	0.2	0.94
19950223	1.111	0.552	0.552	40.318	9.4	0.2	1.88
19950224	1.066	0.649	0.649	49.336	5.5	0.2	1.1
19950225	1.038	0.689	0.689	52.378	4	0.2	0.8
19950226	1.129	0.519	0.519	38.438	3.9	0.2	0.78
19950227	1.262	0.293	0.293	19.499	7.8	0.2	1.56
19950228	#DIV/0!	0.246	0.246	0.000	11.8	0.2	2.36
19950301	1.354	0.183	0.183	10.257	12.1	0.5	6.05
19950302	1.296	0.269	0.269	15.442	12.2	0.5	6.1
19950303	1.197	0.478	0.478	25.829	12.3	0.5	6.15
19950304	1.229	0.320	0.320	24.470	5.3	0.5	2.65
19950305	1.207	0.320	0.320	27.029	4.2	0.5	2.1
19950306	1.233	0.281	0.281	23.855	10.4	0.5	5.2
19950307	1.314	0.183	0.183	13.737	11	0.5	5.5
19950308	1.380	0.129	0.129	8.253	13.4	0.5	6.7
19950309	1.310	0.215	0.215	14.501	7.4	0.5	3.7
19950310	1.104	0.575	0.575	40.266	12	0.5	6
19950311	0.960	0.997	0.997	63.339	13	0.5	6.5
19950312	0.651	1.529	1.529	125.368	4.7	0.5	2.35
19950313	0.765	1.227	1.227	104.279	5.1	0.5	2.55
19950314	0.706	1.422	1.422	117.996	5.7	0.5	2.85
19950315	0.821	1.250	1.250	94.360	12.8	0.5	6.4
19950316	0.689	1.585	1.585	119.676	8.8	0.5	4.4
19950317	0.927	1.204	1.204	71.650	12.5	0.5	6.25
19950318	0.908	0.979	0.979	76.822	8	0.5	4
19950319	0.899	0.906	0.906	76.588	5.3	0.5	2.65
19950320	1.000	0.703	0.703	55.538	5.3	0.5	2.65
19950321	1.034	0.807	0.807	48.813	12.9	0.5	6.45
19950322	1.040	0.776	0.776	48.491	10.1	0.5	5.05
19950323	1.007	0.823	0.823	56.767	9.5	0.5	4.75
19950324	0.959	1.056	1.056	65.467	15.8	0.5	7.9
19950325	1.036	0.823	0.823	51.831	7.1	0.5	3.55
19950326	1.002	0.855	0.855	57.306	6.1	0.5	3.05
19950327	1.029	0.731	0.731	52.294	5.5	0.5	2.75
19950328	1.057	0.676	0.676	49.657	6.7	0.5	3.35
19950329	1.098	0.624	0.624	42.407	6.8	0.5	3.4
19950330	1.140	0.519	0.519	35.841	10.3	0.5	5.15
19950331	1.124	0.649	0.649	36.028	6.8	0.5	3.4
19950401	1.049	0.791	0.791	47.868	8.4	0.775	6.51
19950402	0.984	1.076	1.076	57.031	12.9	0.775	9.9975
19950403	1.055	0.823	0.823	45.660	13.2	0.775	10.23
19950404	1.264	0.388	0.388	15.322	19.3	0.775	14.9575
19950405	1.014	0.997	0.997	51.868	11.3	0.775	8.7575
19950406	1.076	0.776	0.776	41.896	17.8	0.775	13.795
19950407	1.008	0.807	0.807	56.074	8.7	0.775	6.7425
19950408	1.086	0.717	0.717	40.873	9.7	0.775	7.5175
19950409	1.189	0.636	0.636	22.270	11.7	0.775	9.0675
19950410	1.143	0.541	0.541	34.633	9.1	0.775	7.0525
19950411	1.043	0.611	0.611	50.118	6.6	0.775	5.115
19950412	0.990	0.676	0.676	59.116	6.6	0.775	5.115
19950413	1.016	0.889	0.889	54.233	20.1	0.775	15.5775
19950414	1.024	1.056	1.056	50.684	18.8	0.775	14.57
19950415	1.081	0.997	0.997	37.405	9.3	0.775	7.2075
19950416	1.009	0.791	0.791	56.176	6	0.775	4.65
19950417	0.993	0.807	0.807	59.705	7.3	0.775	5.6575
19950418	0.980	0.761	0.761	58.580	6.9	0.775	5.3475
19950419	0.984	0.979	0.979	59.207	21.3	0.775	16.5075
19950420	1.005	0.855	0.855	55.596	9.5	0.775	7.3625

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19950421	0.912	1.017	1.017	73.197	9.5	0.775	7.3625
19950422	1.050	0.997	0.997	46.881	22.6	0.775	17.515
19950423	0.945	1.117	1.117	66.483	20.8	0.775	16.12
19950424	0.986	0.942	0.942	58.868	16.1	0.775	12.4775
19950425	0.950	1.117	1.117	64.807	14.9	0.775	11.5475
19950426	1.028	0.889	0.889	51.121	14.3	0.775	11.0825
19950427	1.005	0.942	0.942	55.571	13.4	0.775	10.385
19950428	0.972	1.097	1.097	60.858	21.2	0.775	16.43
19950429	0.982	1.076	1.076	59.721	9.7	0.775	7.5175
19950430	#DIV/0!	1.160	1.160	0.000	18.8	0.775	14.57
19951101	1.016	0.649	0.649	56.801	4.4	0.5	2.2
19951102	1.124	0.498	0.498	37.387	4.6	0.5	2.3
19951103	1.233	0.313	0.313	22.537	4.6	0.5	2.3
19951104	1.223	0.380	0.380	23.924	13.2	0.5	6.6
19951105	1.022	0.776	0.776	53.922	4.5	0.5	2.25
19951106	1.020	0.717	0.717	53.422	8.2	0.5	4.1
19951107	#DIV/0!	0.449	0.449	0.000	0m	0.5	#VALUE!
19951108	1.207	0.449	0.449	24.717	9.5	0.5	4.75
19951109	1.002	0.761	0.761	55.156	9.1	0.5	4.55
19951110	1.161	0.459	0.459	29.596	7.8	0.5	3.9
19951111	1.255	0.334	0.334	17.367	11.6	0.5	5.8
19951112	1.182	0.478	0.478	26.546	5.1	0.5	2.55
19951113	1.151	0.530	0.530	33.137	7.6	0.5	3.8
19951114	1.150	0.478	0.478	34.917	3.6	0.5	1.8
19951115	1.069	0.649	0.649	48.038	4	0.5	2
19951116	1.151	0.552	0.552	32.586	8.1	0.5	4.05
19951117	1.101	0.649	0.649	40.897	4.6	0.5	2.3
19951118	1.031	0.791	0.791	53.407	3.7	0.5	1.85
19951119	1.003	0.776	0.776	58.190	6.5	0.5	3.25
19951120	1.102	0.662	0.662	39.405	3.8	0.5	1.9
19951121	1.218	0.449	0.449	21.571	10	0.5	5
19951122	1.189	0.459	0.459	25.237	9.3	0.5	4.65
19951123	1.290	0.281	0.281	14.734	8.6	0.5	4.3
19951124	1.175	0.564	0.564	27.338	4.2	0.5	2.1
19951125	1.177	0.449	0.449	28.761	7.6	0.5	3.8
19951126	#DIV/0!	0.468	0.468	0.000	0m	0.5	#VALUE!
19951127	1.234	0.300	0.300	21.577	0m	0.5	#VALUE!
19951128	1.267	0.281	0.281	18.382	5.3	0.5	2.65
19951129	1.203	0.380	0.380	26.202	3.4	0.5	1.7
19951130	#DIV/0!	0.611	0.611	0.000	5.3	0.5	2.65
19951201	1.150	0.519	0.519	31.426	8.5	0.2	1.7
19951202	1.084	0.636	0.636	41.676	4.5	0.2	0.9
19951203	1.095	0.575	0.575	42.567	7.4	0.2	1.48
19951204	1.091	0.599	0.599	42.529	3.4	0.2	0.68
19951205	#DIV/0!	0.575	0.575	0.000	8	0.2	1.6
19951206	1.261	0.396	0.396	14.659	7.8	0.2	1.56
19951207	1.278	0.356	0.356	13.536	7.8	0.2	1.56
19951208	1.267	0.251	0.251	18.220	1	0.2	0.2
19951209	1.370	0.138	0.138	7.270	4.3	0.2	0.86
19951210	1.372	0.152	0.152	7.303	7.3	0.2	1.46
19951211	1.374	0.142	0.142	8.011	3.1	0.2	0.62
19951212	1.359	0.156	0.156	9.500	3.2	0.2	0.64
19951213	1.206	0.334	0.334	26.218	3.1	0.2	0.62
19951214	#DIV/0!	0.478	0.478	0.000	6.8	0.2	1.36
19951215	1.283	0.287	0.287	15.491	6.7	0.2	1.34
19951216	1.262	0.327	0.327	17.814	6.5	0.2	1.3
19951217	1.227	0.341	0.341	25.082	4.3	0.2	0.86
19951218	1.208	0.380	0.380	27.341	3.7	0.2	0.74
19951219	1.221	0.349	0.349	25.278	3.2	0.2	0.64
19951220	1.217	0.380	0.380	24.873	6.1	0.2	1.22
19951221	1.266	0.293	0.293	17.886	4.9	0.2	0.98
19951222	1.243	0.293	0.293	23.017	2.2	0.2	0.44
19951223	1.188	0.388	0.388	30.061	2.3	0.2	0.46
19951224	1.179	0.405	0.405	29.944	2.7	0.2	0.54
19951225	1.200	0.422	0.422	26.378	6	0.2	1.2

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19951226	1.149	0.468	0.468	33.966	2.1	0.2	0.42
19951227	1.261	0.300	0.300	20.229	5.5	0.2	1.1
19951228	1.225	0.349	0.349	25.278	5.4	0.2	1.08
19951229	1.148	0.449	0.449	35.727	2.1	0.2	0.42
19951230	1.208	0.320	0.320	26.069	2.1	0.2	0.42
19951231	1.101	0.498	0.498	41.624	2.2	0.2	0.44
19960101	1.095	0.530	0.530	43.475	2	0.2	0.4
19960102	1.286	0.240	0.240	16.224	5.5	0.2	1.1
19960103	1.319	0.171	0.171	11.794	5.8	0.2	1.16
19960104	1.353	0.149	0.149	8.991	6	0.2	1.2
19960105	1.433	0.083	0.083	4.284	4.9	0.2	0.98
19960106	1.445	0.075	0.075	4.027	6.2	0.2	1.24
19960107	1.390	0.123	0.123	7.131	6.2	0.2	1.24
19960108	1.176	0.413	0.413	28.928	3.8	0.2	0.76
19960109	1.111	0.552	0.552	39.213	5.1	0.2	1.02
19960110	1.055	0.611	0.611	50.424	2.1	0.2	0.42
19960111	1.092	0.530	0.530	43.210	2.1	0.2	0.42
19960112	1.078	0.587	0.587	44.025	4.5	0.2	0.9
19960113	0.990	0.807	0.807	58.091	5.8	0.2	1.16
19960114	1.232	0.320	0.320	21.751	3.4	0.2	0.68
19960115	1.301	0.225	0.225	14.945	3.5	0.2	0.7
19960116	1.080	0.509	0.509	44.017	2.1	0.2	0.42
19960117	1.243	0.235	0.235	19.861	2.2	0.2	0.44
19960118	1.357	0.101	0.101	7.296	2.7	0.2	0.54
19960119	1.401	0.090	0.090	5.422	6.7	0.2	1.34
19960120	#DIV/0!	0.142	0.142	0.000	0m	0.2	#VALUE!
19960121	1.199	0.356	0.356	26.894	3.5	0.2	0.7
19960122	1.322	0.179	0.179	11.724	4.5	0.2	0.9
19960123	1.353	0.142	0.142	8.294	4.2	0.2	0.84
19960124	1.333	0.167	0.167	10.522	7	0.2	1.4
19960125	#DIV/0!	0.129	0.129	0.000	0m	0.2	#VALUE!
19960126	1.388	0.096	0.096	6.465	3.2	0.2	0.64
19960127	1.372	0.132	0.132	6.669	6.4	0.2	1.28
19960128	1.289	0.215	0.215	15.682	2.9	0.2	0.58
19960129	1.362	0.117	0.117	8.379	7.4	0.2	1.48
19960130	1.427	0.079	0.079	4.709	7.6	0.2	1.52
19960131	1.388	0.106	0.106	6.383	7	0.2	1.4
19960201	1.445	0.060	0.060	3.443	7.8	0.2	1.56
19960202	1.492	0.049	0.049	0.000	8	0.2	1.6
19960203	1.457	0.065	0.065	3.427	6.4	0.2	1.28
19960204	1.361	0.156	0.156	9.345	7.8	0.2	1.56
19960205	1.349	0.175	0.175	9.446	8.1	0.2	1.62
19960206	1.159	0.459	0.459	32.120	0m	0.2	#VALUE!
19960207	0.994	0.791	0.791	56.176	7.6	0.2	1.52
19960208	1.005	0.746	0.746	55.574	8	0.2	1.6
19960209	0.923	0.855	0.855	71.419	4.5	0.2	0.9
19960210	0.964	0.791	0.791	62.110	2.7	0.2	0.54
19960211	1.161	0.459	0.459	32.579	3.1	0.2	0.62
19960212	1.180	0.488	0.488	29.543	7.4	0.2	1.48
19960213	1.045	0.703	0.703	48.156	6.7	0.2	1.34
19960214	1.124	0.530	0.530	35.258	4.4	0.2	0.88
19960215	1.179	0.449	0.449	28.537	6.2	0.2	1.24
19960216	1.267	0.281	0.281	17.119	7.8	0.2	1.56
19960217	1.246	0.320	0.320	18.232	9.4	0.2	1.88
19960218	1.196	0.364	0.364	25.655	5.2	0.2	1.04
19960219	0.972	0.823	0.823	59.235	0m	0.2	#VALUE!
19960220	1.075	0.662	0.662	43.047	9.8	0.2	1.96
19960221	1.150	0.636	0.636	31.496	8	0.2	1.6
19960222	1.121	0.530	0.530	37.378	3.4	0.2	0.68
19960223	1.061	0.599	0.599	44.625	4	0.2	0.8
19960224	1.028	0.791	0.791	51.033	10.6	0.2	2.12
19960225	1.164	0.488	0.488	29.543	0m	0.2	#VALUE!
19960226	1.244	0.293	0.293	19.792	3.9	0.2	0.78
19960227	1.270	0.215	0.215	17.401	3.6	0.2	0.72
19960228	1.350	0.152	0.152	10.118	10.6	0.2	2.12

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19960229	1.314	0.205	0.205	12.627	11.7	0.2	2.34
19960301	1.234	0.313	0.313	18.781	9.1	0.5	4.55
19960302	1.291	0.215	0.215	13.319	11.2	0.5	5.6
19960303	1.292	0.263	0.263	14.317	12.3	0.5	6.15
19960304	1.159	0.440	0.440	33.668	7.2	0.5	3.6
19960305	1.248	0.300	0.300	19.779	8.6	0.5	4.3
19960306	1.351	0.167	0.167	9.603	9.9	0.5	4.95
19960307	1.391	0.132	0.132	6.141	13	0.5	6.5
19960308	1.342	0.187	0.187	10.776	11.3	0.5	5.65
19960309	1.262	0.327	0.327	19.938	13.5	0.5	6.75
19960310	1.123	0.689	0.689	37.905	9.5	0.5	4.75
19960311	0.975	1.117	1.117	61.455	8	0.5	4
19960312	0.915	1.227	1.227	71.155	10.2	0.5	5.1
19960313	0.921	1.117	1.117	69.835	13.8	0.5	6.9
19960314	1.040	0.776	0.776	50.431	13.6	0.5	6.8
19960315	1.038	0.823	0.823	49.363	14.5	0.5	7.25
19960316	1.049	0.689	0.689	48.243	12.4	0.5	6.2
19960317	1.057	0.676	0.676	46.617	9.9	0.5	4.95
19960318	1.163	0.488	0.488	30.031	10.3	0.5	5.15
19960319	1.196	0.449	0.449	25.616	6	0.5	3
19960320	1.214	0.519	0.519	21.816	15.4	0.5	7.7
19960321	1.226	0.509	0.509	18.828	12.8	0.5	6.4
19960322	1.203	0.575	0.575	20.996	16.2	0.5	8.1
19960323	1.085	0.703	0.703	42.532	8.2	0.5	4.1
19960324	1.147	0.380	0.380	33.797	5.4	0.5	2.7
19960325	1.275	0.240	0.240	15.503	14.6	0.5	7.3
19960326	1.327	0.235	0.235	10.694	17.1	0.5	8.55
19960327	1.121	0.624	0.624	39.289	16.2	0.5	8.1
19960328	1.114	0.636	0.636	39.449	16.6	0.5	8.3
19960329	1.083	0.855	0.855	41.055	15	0.5	7.5
19960330	1.092	0.624	0.624	42.407	6.4	0.5	3.2
19960331	#DIV/0!	0.530	0.530	0.000	18.1	0.5	9.05
19960401	1.114	0.731	0.731	38.398	11.1	0.775	8.6025
19960402	1.042	0.839	0.839	47.816	13.9	0.775	10.7725
19960403	1.090	0.599	0.599	41.331	6.4	0.775	4.96
19960404	1.149	0.564	0.564	33.820	9.8	0.775	7.595
19960405	1.172	0.587	0.587	29.937	17.1	0.775	13.2525
19960406	1.114	0.676	0.676	38.510	13.8	0.775	10.695
19960407	1.085	0.703	0.703	43.235	12.6	0.775	9.765
19960408	1.092	0.791	0.791	40.747	19.5	0.775	15.1125
19960409	1.051	0.942	0.942	47.565	19.8	0.775	15.345
19960410	0.839	1.734	1.734	84.087	18.5	0.775	14.3375
19960411	0.903	1.273	1.273	70.661	14.8	0.775	11.47
19960412	1.012	0.676	0.676	55.400	7	0.775	5.425
19960413	1.093	0.587	0.587	42.851	8.2	0.775	6.355
19960414	1.054	0.662	0.662	50.332	7.3	0.775	5.6575
19960415	0.959	0.942	0.942	64.048	15.8	0.775	12.245
19960416	1.057	0.889	0.889	45.342	21.5	0.775	16.6625
19960417	0.886	1.396	1.396	74.680	21.2	0.775	16.43
19960418	0.749	1.396	1.396	101.201	10.1	0.775	7.8275
19960419	0.936	1.036	1.036	65.274	19.5	0.775	15.1125
19960420	0.965	0.960	0.960	61.446	12.4	0.775	9.61
19960421	1.008	0.906	0.906	54.835	13.8	0.775	10.695
19960422	1.075	0.776	0.776	44.224	11.3	0.775	8.7575
19960423	0.967	1.076	1.076	63.487	22.6	0.775	17.515
19960424	0.769	1.396	1.396	99.805	15.5	0.775	12.0125
19960425	0.912	1.017	1.017	67.097	14.5	0.775	11.2375
19960426	1.089	0.776	0.776	38.405	21.9	0.775	16.9725
19960427	1.042	1.117	1.117	45.812	16.4	0.775	12.71
19960428	1.041	1.036	1.036	48.179	20.1	0.775	15.5775
19960429	1.053	1.056	1.056	44.348	12.2	0.775	9.455
19960430	1.052	1.017	1.017	42.190	22.7	0.775	17.5925
19961101	1.190	0.413	0.413	27.482	8.8	0.5	4.4
19961102	1.160	0.509	0.509	32.313	7	0.5	3.5
19961103	0.984	1.097	1.097	58.117	13.2	0.5	6.6

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19961104	0.926	0.872	0.872	71.944	3.3	0.5	1.65
19961105	0.866	0.889	0.889	85.350	4.3	0.5	2.15
19961106	0.904	0.889	0.889	75.570	4.3	0.5	2.15
19961107	0.967	0.889	0.889	62.679	10.5	0.5	5.25
19961108	1.049	0.689	0.689	49.966	4.4	0.5	2.2
19961109	1.163	0.498	0.498	30.657	4	0.5	2
19961110	1.232	0.388	0.388	21.528	3.8	0.5	1.9
19961111	1.276	0.327	0.327	17.160	5.3	0.5	2.65
19961112	1.276	0.313	0.313	19.250	7.8	0.5	3.9
19961113	1.228	0.440	0.440	24.646	9.8	0.5	4.9
19961114	1.255	0.364	0.364	20.925	0m	0.5	#VALUE!
19961115	1.091	0.541	0.541	44.644	2.9	0.5	1.45
19961116	1.063	0.519	0.519	48.307	2.5	0.5	1.25
19961117	1.194	0.341	0.341	27.471	2.7	0.5	1.35
19961118	1.239	0.313	0.313	22.537	3.8	0.5	1.9
19961119	1.244	0.313	0.313	20.972	3.7	0.5	1.85
19961120	1.162	0.413	0.413	33.061	7.1	0.5	3.55
19961121	1.263	0.246	0.246	20.522	3	0.5	1.5
19961122	1.285	0.210	0.210	18.167	3.3	0.5	1.65
19961123	1.250	0.269	0.269	21.351	3.7	0.5	1.85
19961124	1.319	0.179	0.179	14.767	6.8	0.5	3.4
19961125	1.355	0.149	0.149	10.329	8.5	0.5	4.25
19961126	1.372	0.138	0.138	9.693	9	0.5	4.5
19961127	1.247	0.300	0.300	24.275	4.2	0.5	2.1
19961128	1.119	0.519	0.519	39.477	5.8	0.5	2.9
19961129	1.037	0.587	0.587	52.243	3.1	0.5	1.55
19961130	1.118	0.431	0.431	37.712	3	0.5	1.5
19961201	1.180	0.372	0.372	27.138	1.5	0.2	0.3
19961202	1.254	0.251	0.251	19.350	5.4	0.2	1.08
19961203	1.267	0.263	0.263	18.520	4	0.2	0.8
19961204	1.150	0.431	0.431	35.988	3	0.2	0.6
19961205	1.152	0.372	0.372	33.086	2.4	0.2	0.48
19961206	1.135	0.459	0.459	32.808	4.2	0.2	0.84
19961207	1.147	0.431	0.431	32.540	4.8	0.2	0.96
19961208	1.207	0.334	0.334	25.884	2.6	0.2	0.52
19961209	1.156	0.422	0.422	32.920	3.3	0.2	0.66
19961210	1.112	0.468	0.468	38.885	2.6	0.2	0.52
19961211	1.090	0.509	0.509	43.508	1.9	0.2	0.38
19961212	1.046	0.587	0.587	52.243	3.5	0.2	0.7
19961213	1.174	0.356	0.356	33.306	2.3	0.2	0.46
19961214	1.230	0.281	0.281	25.539	2.3	0.2	0.46
19961215	1.186	0.364	0.364	29.658	2.8	0.2	0.56
19961216	1.171	0.380	0.380	30.569	1.8	0.2	0.36
19961217	1.276	0.205	0.205	16.939	4.8	0.2	0.96
19961218	1.333	0.138	0.138	10.801	1.2	0.2	0.24
19961219	1.381	0.099	0.099	7.515	4.9	0.2	0.98
19961220	1.295	0.205	0.205	14.680	2	0.2	0.4
19961221	1.254	0.251	0.251	18.471	2.2	0.2	0.44
19961222	1.361	0.114	0.114	9.666	2.1	0.2	0.42
19961223	1.345	0.126	0.126	10.451	5.2	0.2	1.04
19961224	1.400	0.092	0.092	6.430	5.3	0.2	1.06
19961225	1.405	0.094	0.094	6.308	4.8	0.2	0.96
19961226	1.395	0.099	0.099	6.674	6.4	0.2	1.28
19961227	1.301	0.183	0.183	14.470	2.2	0.2	0.44
19961228	1.314	0.159	0.159	12.913	3.2	0.2	0.64
19961229	1.352	0.142	0.142	10.138	2.5	0.2	0.5
19961230	1.316	0.179	0.179	13.962	2.4	0.2	0.48
19961231	#DIV/0!	0.293	0.293	0.000	2.1	0.2	0.42
19970101	1.087	0.509	0.509	43.763	4	0.2	0.8
19970102	0.962	0.703	0.703	63.974	2.3	0.2	0.46
19970103	1.041	0.564	0.564	51.293	1.8	0.2	0.36
19970104	1.121	0.396	0.396	36.251	1.2	0.2	0.24
19970105	1.281	0.196	0.196	14.910	1.4	0.2	0.28
19970106	1.356	0.149	0.149	8.768	6.2	0.2	1.24
19970107	1.286	0.240	0.240	17.306	4.8	0.2	0.96

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19970108	1.196	0.372	0.372	27.509	3	0.2	0.6
19970109	1.267	0.201	0.201	16.558	1.7	0.2	0.34
19970110	1.363	0.099	0.099	7.466	3.4	0.2	0.68
19970111	1.406	0.083	0.083	5.449	3.9	0.2	0.78
19970112	1.395	0.109	0.109	7.466	3.5	0.2	0.7
19970113	1.377	0.135	0.135	9.331	6.5	0.2	1.3
19970114	1.311	0.192	0.192	15.532	1.9	0.2	0.38
19970115	1.269	0.210	0.210	16.592	1.2	0.2	0.24
19970116	1.373	0.126	0.126	7.555	6.7	0.2	1.34
19970117	1.411	0.090	0.090	4.839	6.8	0.2	1.36
19970118	1.295	0.225	0.225	14.495	2.4	0.2	0.48
19970119	1.100	0.509	0.509	41.981	4.5	0.2	0.9
19970120	1.128	0.478	0.478	38.026	4.6	0.2	0.92
19970121	1.061	0.564	0.564	46.502	2.3	0.2	0.46
19970122	1.207	0.293	0.293	25.070	1.6	0.2	0.32
19970123	1.301	0.196	0.196	15.204	2.8	0.2	0.56
19970124	1.287	0.196	0.196	15.989	4.9	0.2	0.98
19970125	1.410	0.087	0.087	5.421	5.9	0.2	1.18
19970126	1.393	0.104	0.104	7.631	2.1	0.2	0.42
19970127	1.392	0.106	0.106	7.500	6.9	0.2	1.38
19970128	1.399	0.112	0.112	6.588	5.7	0.2	1.14
19970129	1.350	0.159	0.159	11.080	4.4	0.2	0.88
19970130	1.191	0.364	0.364	27.657	5.6	0.2	1.12
19970131	0.973	0.746	0.746	60.795	2.6	0.2	0.52
19970201	1.014	0.624	0.624	57.062	2.6	0.2	0.52
19970202	1.136	0.509	0.509	36.893	6.5	0.2	1.3
19970203	1.116	0.498	0.498	42.621	4.1	0.2	0.82
19970204	1.151	0.459	0.459	34.873	2	0.2	0.4
19970205	1.173	0.413	0.413	33.681	2.8	0.2	0.56
19970206	1.176	0.413	0.413	32.235	5.2	0.2	1.04
19970207	1.274	0.257	0.257	19.271	2.9	0.2	0.58
19970208	1.289	0.225	0.225	18.428	8.1	0.2	1.62
19970209	1.220	0.327	0.327	26.149	8	0.2	1.6
19970210	1.281	0.235	0.235	17.628	2.6	0.2	0.52
19970211	1.277	0.225	0.225	18.428	2.2	0.2	0.44
19970212	1.338	0.175	0.175	11.370	9.2	0.2	1.84
19970213	1.225	0.320	0.320	24.630	3.7	0.2	0.74
19970214	1.208	0.356	0.356	25.469	6.6	0.2	1.32
19970215	1.254	0.306	0.306	20.062	5.3	0.2	1.06
19970216	1.297	0.235	0.235	16.218	7.7	0.2	1.54
19970217	1.050	0.611	0.611	50.424	5.3	0.2	1.06
19970218	1.040	0.624	0.624	50.514	6.6	0.2	1.32
19970219	1.169	0.459	0.459	31.202	9.1	0.2	1.82
19970220	1.006	0.689	0.689	57.202	5.8	0.2	1.16
19970221	1.176	0.388	0.388	29.867	3.4	0.2	0.68
19970222	#DIV/0!	0.372	0.372	0.000	0m	0.2	#VALUE!
19970223	1.297	0.240	0.240	16.585	11	0.2	2.2
19970224	1.309	0.225	0.225	16.518	10.8	0.2	2.16
19970225	1.153	0.478	0.478	33.003	10.4	0.2	2.08
19970226	1.163	0.405	0.405	30.146	8.1	0.2	1.62
19970227	1.202	0.334	0.334	25.717	3.4	0.2	0.68
19970228	1.061	0.541	0.541	49.515	4	0.2	0.8
19970301	1.125	0.440	0.440	36.969	3.7	0.5	1.85
19970302	1.221	0.334	0.334	24.214	11	0.5	5.5
19970303	1.075	0.564	0.564	46.502	3.8	0.5	1.9
19970304	1.196	0.334	0.334	27.721	2.3	0.5	1.15
19970305	1.293	0.225	0.225	15.731	9.2	0.5	4.6
19970306	1.307	0.220	0.220	14.392	13	0.5	6.5
19970307	1.247	0.313	0.313	20.502	5.9	0.5	2.95
19970308	1.131	0.509	0.509	37.911	11.1	0.5	5.55
19970309	1.073	0.649	0.649	45.766	12.8	0.5	6.4
19970310	1.032	0.717	0.717	51.629	7.2	0.5	3.6
19970311	1.159	0.530	0.530	32.342	11.3	0.5	5.65
19970312	1.145	0.587	0.587	35.514	6.5	0.5	3.25
19970313	1.158	0.431	0.431	34.479	3.2	0.5	1.6

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19970314	1.277	0.251	0.251	17.089	7.4	0.5	3.7
19970315	1.312	0.215	0.215	14.393	15	0.5	7.5
19970316	1.114	0.552	0.552	39.766	8.9	0.5	4.45
19970317	1.113	0.552	0.552	40.042	7.9	0.5	3.95
19970318	1.202	0.519	0.519	25.972	6.5	0.5	3.25
19970319	1.065	0.662	0.662	48.014	8.3	0.5	4.15
19970320	0.968	0.791	0.791	64.088	6.6	0.5	3.3
19970321	0.931	0.823	0.823	69.930	6.4	0.5	3.2
19970322	1.036	0.689	0.689	52.723	9.5	0.5	4.75
19970323	1.162	0.541	0.541	31.386	12.7	0.5	6.35
19970324	1.034	0.649	0.649	53.555	4	0.5	2
19970325	1.024	0.649	0.649	54.854	4.8	0.5	2.4
19970326	0.959	0.906	0.906	64.352	16.7	0.5	8.35
19970327	0.697	1.474	1.474	113.529	15.9	0.5	7.95
19970328	0.874	0.997	0.997	77.303	5.9	0.5	2.95
19970329	0.975	0.855	0.855	61.583	7.4	0.5	3.7
19970330	1.043	0.676	0.676	52.022	6.1	0.5	3.05
19970331	0.909	1.117	1.117	75.422	17.4	0.5	8.7
19970401	0.910	1.557	1.557	70.833	12.8	0.775	9.92
19970402	0.968	0.942	0.942	64.990	5.5	0.775	4.2625
19970403	0.913	1.076	1.076	73.710	17.8	0.775	13.795
19970404	0.709	1.448	1.448	112.205	4.5	0.775	3.4875
19970405	0.789	0.997	0.997	94.260	6.3	0.775	4.8825
19970406	1.129	0.459	0.459	32.579	1.6	0.775	1.24
19970407	1.227	0.405	0.405	21.042	5.5	0.775	4.2625
19970408	1.295	0.293	0.293	14.221	8.2	0.775	6.355
19970409	1.249	0.388	0.388	20.364	18.7	0.775	14.4925
19970410	#DIV/0!	0.488	0.488	0.000	5.4	0.775	4.185
19970411	1.215	0.413	0.413	24.176	13.5	0.775	10.4625
19970412	1.177	0.649	0.649	24.019	11.5	0.775	8.9125
19970413	1.109	0.761	0.761	36.517	19.4	0.775	15.035
19970414	1.021	0.942	0.942	52.275	20	0.775	15.5
19970415	1.020	0.855	0.855	53.457	8.4	0.775	6.51
19970416	1.145	0.649	0.649	32.782	5.8	0.775	4.495
19970417	1.019	0.906	0.906	54.835	16	0.775	12.4
19970418	0.790	1.297	1.297	96.621	6.6	0.775	5.115
19970419	0.888	1.273	1.273	75.117	13.7	0.775	10.6175
19970420	0.854	1.396	1.396	81.659	9.1	0.775	7.0525
19970421	0.863	1.422	1.422	79.612	14.4	0.775	11.16
19970422	0.947	1.321	1.321	63.411	18.5	0.775	14.3375
19970423	0.979	1.227	1.227	57.660	8	0.775	6.2
19970424	0.991	1.036	1.036	58.022	9.9	0.775	7.6725
19970425	0.972	1.160	1.160	62.064	14.2	0.775	11.005
19970426	0.849	1.529	1.529	85.617	9	0.775	6.975
19970427	0.899	1.371	1.371	73.324	9.2	0.775	7.13
19970428	0.759	1.585	1.585	100.655	17.8	0.775	13.795
19970429	0.805	1.557	1.557	90.293	12.7	0.775	9.8425
19970430	1.001	0.823	0.823	55.122	8.4	0.775	6.51
19971101	0.825	0.960	0.960	88.809	1.9	0.5	0.95
19971102	1.020	0.599	0.599	52.112	2.6	0.5	1.3
19971103	1.106	0.478	0.478	40.417	3.6	0.5	1.8
19971104	1.126	0.498	0.498	38.384	4.4	0.5	2.2
19971105	1.068	0.575	0.575	51.195	2.5	0.5	1.25
19971106	1.081	0.624	0.624	48.019	6.2	0.5	3.1
19971107	1.013	0.746	0.746	58.557	4.2	0.5	2.1
19971108	0.939	0.807	0.807	72.211	4.1	0.5	2.05
19971109	1.068	0.611	0.611	48.590	3	0.5	1.5
19971110	1.194	0.449	0.449	26.964	4.4	0.5	2.2
19971111	1.211	0.372	0.372	25.465	4.4	0.5	2.2
19971112	1.196	0.413	0.413	26.449	9.8	0.5	4.9
19971113	1.124	0.459	0.459	37.167	2.3	0.5	1.15
19971114	1.109	0.498	0.498	40.876	2.4	0.5	1.2
19971115	1.205	0.372	0.372	26.580	3	0.5	1.5
19971116	1.240	0.306	0.306	22.665	10.6	0.5	5.3
19971117	1.179	0.413	0.413	29.962	9.5	0.5	4.75

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19971118	1.220	0.320	0.320	24.470	2.9	0.5	1.45
19971119	#####	#####	#VALUE!	#VALUE!	3.5	0.5	1.75
19971120	1.176	0.372	0.372	30.669	3.5	0.5	1.75
19971121	1.146	0.449	0.449	35.053	6.5	0.5	3.25
19971122	1.148	0.449	0.449	33.929	6.4	0.5	3.2
19971123	1.229	0.327	0.327	23.370	3.2	0.5	1.6
19971124	1.219	0.320	0.320	25.909	4.3	0.5	2.15
19971125	0.998	0.689	0.689	58.581	4	0.5	2
19971126	1.052	0.703	0.703	48.156	8.5	0.5	4.25
19971127	0.918	0.906	0.906	71.150	3.9	0.5	1.95
19971128	1.004	0.731	0.731	57.414	7.5	0.5	3.75
19971129	0.992	0.676	0.676	61.818	6.3	0.5	3.15
19971130	1.072	0.564	0.564	47.629	3.9	0.5	1.95
19971201	#DIV/0!	0.587	0.587	42.264	2.9	0.2	0.58
19971202	1.055	0.599	0.599	50.615	2.7	0.2	0.54
19971203	1.101	0.488	0.488	41.995	2	0.2	0.4
19971204	1.181	0.396	0.396	27.931	3	0.2	0.6
19971205	1.207	0.341	0.341	25.765	2.6	0.2	0.52
19971206	1.166	0.422	0.422	31.653	3.3	0.2	0.66
19971207	1.169	0.396	0.396	32.289	2.6	0.2	0.52
19971208	1.118	0.459	0.459	39.920	2.6	0.2	0.52
19971209	1.095	0.498	0.498	43.369	2.4	0.2	0.48
19971210	1.131	0.468	0.468	37.948	2.7	0.2	0.54
19971211	1.184	0.396	0.396	30.903	1.9	0.2	0.38
19971212	1.171	0.422	0.422	31.442	4	0.2	0.8
19971213	#DIV/0!	0.564	0.564	0.000	0m	0.2	#VALUE!
19971214	1.038	0.717	0.717	51.988	4.7	0.2	0.94
19971215	0.996	0.823	0.823	56.767	5.4	0.2	1.08
19971216	1.057	0.731	0.731	46.809	6.2	0.2	1.24
19971217	1.035	0.761	0.761	50.972	3.7	0.2	0.74
19971218	0.960	0.889	0.889	64.457	2.8	0.2	0.56
19971219	1.085	0.624	0.624	44.901	2.5	0.2	0.5
19971220	1.160	0.498	0.498	33.399	6	0.2	1.2
19971221	1.141	0.488	0.488	36.379	4.4	0.2	0.88
19971222	1.138	0.498	0.498	35.393	3	0.2	0.6
19971223	1.103	0.519	0.519	42.334	2.2	0.2	0.44
19971224	1.143	0.422	0.422	35.241	2.2	0.2	0.44
19971225	1.115	0.498	0.498	38.883	2.2	0.2	0.44
19971226	1.163	0.459	0.459	30.514	3.2	0.2	0.64
19971227	1.119	0.564	0.564	36.638	2.3	0.2	0.46
19971228	1.093	0.509	0.509	41.218	1.2	0.2	0.24
19971229	1.142	0.478	0.478	33.003	2.2	0.2	0.44
19971230	1.163	0.405	0.405	30.955	1.1	0.2	0.22
19971231	#DIV/0!	0.306	0.306	0.000	0m	0.2	#VALUE!
19980101	#DIV/0!	0.662	0.662	0.000	0m	0.2	#VALUE!
19980102	0.995	0.689	0.689	57.892	2.7	0.2	0.54
19980103	1.268	0.251	0.251	18.094	2.8	0.2	0.56
19980104	1.260	0.269	0.269	19.874	2.1	0.2	0.42
19980105	1.109	0.468	0.468	42.164	2.1	0.2	0.42
19980106	1.124	0.440	0.440	40.270	1.8	0.2	0.36
19980107	1.158	0.413	0.413	35.127	2.1	0.2	0.42
19980108	1.152	0.459	0.459	32.808	4.2	0.2	0.84
19980109	1.261	0.246	0.246	17.573	2.1	0.2	0.42
19980110	1.353	0.149	0.149	8.323	5.1	0.2	1.02
19980111	1.337	0.163	0.163	11.341	2	0.2	0.4
19980112	1.372	0.120	0.120	7.682	3	0.2	0.6
19980113	1.385	0.117	0.117	7.734	5	0.2	1
19980114	1.283	0.235	0.235	17.511	1.4	0.2	0.28
19980115	1.258	0.240	0.240	20.310	3.3	0.2	0.66
19980116	1.179	0.356	0.356	29.565	1.1	0.2	0.22
19980117	1.259	0.235	0.235	19.274	2.2	0.2	0.44
19980118	1.267	0.246	0.246	19.170	2.2	0.2	0.44
19980119	1.304	0.192	0.192	14.669	6.1	0.2	1.22
19980120	1.258	0.257	0.257	20.427	3.5	0.2	0.7
19980121	1.189	0.372	0.372	30.112	1.1	0.2	0.22

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19980122	1.178	0.388	0.388	31.419	1.9	0.2	0.38
19980123	1.161	0.388	0.388	33.358	2	0.2	0.4
19980124	1.162	0.405	0.405	33.383	3.3	0.2	0.66
19980125	1.107	0.488	0.488	41.506	2.4	0.2	0.48
19980126	1.119	0.468	0.468	40.759	2.4	0.2	0.48
19980127	1.072	0.552	0.552	47.498	3.3	0.2	0.66
19980128	1.066	0.530	0.530	48.247	1.7	0.2	0.34
19980129	1.132	0.422	0.422	38.406	2.5	0.2	0.5
19980130	1.125	0.440	0.440	39.390	3.1	0.2	0.62
19980131	1.062	0.564	0.564	47.911	4.7	0.2	0.94
19980201	1.118	0.459	0.459	39.003	2.6	0.2	0.52
19980202	1.239	0.287	0.287	22.376	2.9	0.2	0.58
19980203	1.295	0.220	0.220	16.919	4.9	0.2	0.98
19980204	1.227	0.300	0.300	25.923	2.9	0.2	0.58
19980205	1.180	0.388	0.388	32.001	5.1	0.2	1.02
19980206	1.175	0.405	0.405	32.169	4.8	0.2	0.96
19980207	1.070	0.624	0.624	47.708	5.8	0.2	1.16
19980208	1.027	0.689	0.689	54.790	5.6	0.2	1.12
19980209	1.076	0.587	0.587	45.786	5.2	0.2	1.04
19980210	#DIV/0!	0.488	0.488	0.000	0m	0.2	#VALUE!
19980211	1.117	0.509	0.509	38.674	2.9	0.2	0.58
19980212	1.072	0.587	0.587	46.960	3.6	0.2	0.72
19980213	1.117	0.488	0.488	40.286	2.5	0.2	0.5
19980214	1.088	0.575	0.575	44.868	3.1	0.2	0.62
19980215	1.008	0.776	0.776	56.638	4.3	0.2	0.86
19980216	1.025	0.791	0.791	53.407	3	0.2	0.6
19980217	1.065	0.649	0.649	45.116	3.3	0.2	0.66
19980218	1.016	0.662	0.662	55.299	2.9	0.2	0.58
19980219	1.047	0.662	0.662	50.001	3.2	0.2	0.64
19980220	1.069	0.636	0.636	46.130	3.1	0.2	0.62
19980221	1.005	0.676	0.676	59.116	2.5	0.2	0.5
19980222	0.856	0.997	0.997	85.782	3.1	0.2	0.62
19980223	0.836	1.036	1.036	88.587	3.1	0.2	0.62
19980224	0.918	1.036	1.036	72.527	7.3	0.2	1.46
19980225	0.951	1.036	1.036	63.720	3.1	0.2	0.62
19980226	0.887	0.889	0.889	76.015	3.4	0.2	0.68
19980227	1.002	0.587	0.587	55.472	3.5	0.2	0.7
19980228	1.079	0.530	0.530	43.210	2.4	0.2	0.48
19980301	1.080	0.509	0.509	45.289	1.8	0.5	0.9
19980302	1.110	0.498	0.498	39.880	3.4	0.5	1.7
19980303	#DIV/0!	0.396	0.396	0.000	2	0.5	1
19980304	1.203	0.388	0.388	25.601	3	0.5	1.5
19980305	1.145	0.478	0.478	35.873	3	0.5	1.5
19980306	1.188	0.372	0.372	29.554	4.2	0.5	2.1
19980307	1.189	0.405	0.405	28.932	6.4	0.5	3.2
19980308	#DIV/0!	0.306	0.306	0.000	0m	0.5	#VALUE!
19980309	1.341	0.192	0.192	8.821	11.1	0.5	5.55
19980310	1.370	0.159	0.159	7.812	12.6	0.5	6.3
19980311	1.385	0.156	0.156	7.086	14.2	0.5	7.1
19980312	1.312	0.240	0.240	12.859	8	0.5	4
19980313	1.163	0.449	0.449	30.784	3.9	0.5	1.95
19980314	1.287	0.281	0.281	15.576	7.5	0.5	3.75
19980315	#DIV/0!	0.413	0.413	0.000	2.5	0.5	1.25
19980316	1.155	0.498	0.498	35.393	6.4	0.5	3.2
19980317	1.120	0.599	0.599	38.036	5.9	0.5	2.95
19980318	1.069	0.575	0.575	48.031	2.1	0.5	1.05
19980319	1.117	0.587	0.587	38.449	7.3	0.5	3.65
19980320	1.152	0.587	0.587	31.698	13.8	0.5	6.9
19980321	1.140	0.624	0.624	32.740	7.2	0.5	3.6
19980322	1.085	0.636	0.636	43.585	6.1	0.5	3.05
19980323	1.131	0.552	0.552	36.176	5.4	0.5	2.7
19980324	1.118	0.541	0.541	39.504	8	0.5	4
19980325	0.974	0.791	0.791	62.110	9.3	0.5	4.65
19980326	0.620	1.614	1.614	129.113	6.9	0.5	3.45
19980327	0.799	1.056	1.056	93.448	4.5	0.5	2.25

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19980328	0.820	1.204	1.204	88.509	4.6	0.5	2.3
19980329	#DIV/0!	1.036	1.036	0.000	0m	0.5	#VALUE!
19980330	0.936	0.807	0.807	68.580	5.5	0.5	2.75
19980331	#DIV/0!	0.689	0.689	0.000	0m	0.5	#VALUE!
19980401	1.032	0.611	0.611	50.424	5.5	0.775	4.2625
19980402	1.044	0.662	0.662	50.994	5.8	0.775	4.495
19980403	1.098	0.791	0.791	39.165	8	0.775	6.2
19980404	1.018	0.979	0.979	53.824	16.8	0.775	13.02
19980405	0.988	0.942	0.942	58.868	11.1	0.775	8.6025
19980406	0.763	1.422	1.422	100.936	10	0.775	7.75
19980407	0.834	1.017	1.017	87.429	5.5	0.775	4.2625
19980408	0.995	0.906	0.906	55.742	6.4	0.775	4.96
19980409	1.072	0.979	0.979	40.613	11.3	0.775	8.7575
19980410	0.957	1.227	1.227	63.794	18	0.775	13.95
19980411	0.757	1.703	1.703	102.185	18.1	0.775	14.0275
19980412	0.766	1.928	1.928	95.443	8.2	0.775	6.355
19980413	0.779	1.557	1.557	94.185	5.8	0.775	4.495
19980414	0.955	1.160	1.160	62.064	15.4	0.775	11.935
19980415	1.035	0.872	0.872	48.835	9	0.775	6.975
19980416	1.058	0.889	0.889	44.009	17.9	0.775	13.8725
19980417	1.037	1.076	1.076	47.346	15.8	0.775	12.245
19980418	0.850	1.273	1.273	85.939	8	0.775	6.2
19980419	0.856	1.160	1.160	85.265	6.7	0.775	5.1925
19980420	0.882	1.182	1.182	79.782	4.7	0.775	3.6425
19980421	0.944	1.250	1.250	66.865	18	0.775	13.95
19980422	0.901	1.396	1.396	74.680	22.4	0.775	17.36
19980423	0.792	1.829	1.829	94.177	20.7	0.775	16.0425
19980424	0.652	2.256	2.256	121.800	18.7	0.775	14.4925
19980425	0.728	1.643	1.643	106.806	9.2	0.775	7.13
19980426	0.887	1.321	1.321	76.622	13.9	0.775	10.7725
19980427	1.075	1.160	1.160	41.762	21.4	0.775	16.585
19980428	0.962	1.273	1.273	64.295	20	0.775	15.5
19980429	#DIV/0!	1.474	1.474	0.000	0m	0.775	#VALUE!
19980430	0.756	1.765	1.765	101.482	23.8	0.775	18.445
19981101	0.998	0.855	0.855	60.728	9.1	0.5	4.55
19981102	1.086	0.717	0.717	44.459	7.4	0.5	3.7
19981103	1.107	0.649	0.649	41.221	9.5	0.5	4.75
19981104	1.167	0.530	0.530	31.811	7	0.5	3.5
19981105	1.128	0.530	0.530	39.234	5.3	0.5	2.65
19981106	1.178	0.509	0.509	30.023	4.4	0.5	2.2
19981107	#DIV/0!	0.488	0.488	0.000	0m	0.5	#VALUE!
19981108	1.058	0.611	0.611	51.646	3.8	0.5	1.9
19981109	1.011	0.662	0.662	57.948	4.1	0.5	2.05
19981110	1.031	0.552	0.552	46.669	3	0.5	1.5
19981111	1.189	0.440	0.440	25.966	11.4	0.5	5.7
19981112	1.235	0.405	0.405	20.839	0m	0.5	#VALUE!
19981113	1.036	0.731	0.731	51.563	7.2	0.5	3.6
19981114	1.011	0.717	0.717	55.573	3.6	0.5	1.8
19981115	1.076	0.624	0.624	44.278	4.9	0.5	2.45
19981116	1.051	0.636	0.636	48.675	3.6	0.5	1.8
19981117	1.029	0.649	0.649	55.503	3.4	0.5	1.7
19981118	0.985	0.717	0.717	60.593	3.1	0.5	1.55
19981119	1.153	0.459	0.459	32.349	3.6	0.5	1.8
19981120	1.160	0.449	0.449	33.255	3.9	0.5	1.95
19981121	1.059	0.662	0.662	47.683	6.8	0.5	3.4
19981122	0.862	1.182	1.182	80.373	3.8	0.5	1.9
19981123	1.004	0.889	0.889	56.011	9.3	0.5	4.65
19981124	0.946	0.960	0.960	67.687	4.6	0.5	2.3
19981125	0.948	0.979	0.979	65.078	8.9	0.5	4.45
19981126	0.879	1.227	1.227	79.130	7.3	0.5	3.65
19981127	0.904	1.160	1.160	74.244	5.5	0.5	2.75
19981128	0.868	0.997	0.997	82.290	5.1	0.5	2.55
19981129	0.757	1.117	1.117	102.239	2.7	0.5	1.35
19981130	0.920	0.906	0.906	72.963	2.9	0.5	1.45
19981201	0.875	1.204	1.204	80.079	7.4	0.2	1.48

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19981202	0.772	1.273	1.273	99.944	6.2	0.2	1.24
19981203	0.905	0.979	0.979	73.886	7.6	0.2	1.52
19981204	1.031	0.676	0.676	52.697	3.4	0.2	0.68
19981205	0.960	0.717	0.717	65.254	2.5	0.2	0.5
19981206	1.098	0.552	0.552	41.423	4.3	0.2	0.86
19981207	1.055	0.662	0.662	50.332	7	0.2	1.4
19981208	1.088	0.717	0.717	42.307	7.4	0.2	1.48
19981209	1.054	0.703	0.703	51.319	2.2	0.2	0.44
19981210	1.087	0.649	0.649	46.415	7.4	0.2	1.48
19981211	1.082	0.761	0.761	43.745	6.7	0.2	1.34
19981212	1.002	0.823	0.823	59.646	6.6	0.2	1.32
19981213	1.027	0.791	0.791	55.385	4.6	0.2	0.92
19981214	0.930	1.036	1.036	71.491	5.2	0.2	1.04
19981215	1.055	0.731	0.731	49.734	4.6	0.2	0.92
19981216	1.088	0.564	0.564	45.093	1.4	0.2	0.28
19981217	1.070	0.587	0.587	47.547	2.3	0.2	0.46
19981218	1.118	0.478	0.478	36.830	2.2	0.2	0.44
19981219	1.323	0.196	0.196	12.752	2.3	0.2	0.46
19981220	#DIV/0!	0.163	0.163	0.000	0m	0.2	#VALUE!
19981221	#DIV/0!	0.145	0.145	0.000	0m	0.2	#VALUE!
19981222	#DIV/0!	0.175	0.175	0.000	0m	0.2	#VALUE!
19981223	1.307	0.225	0.225	14.271	6.6	0.2	1.32
19981224	1.295	0.263	0.263	14.842	5.7	0.2	1.14
19981225	1.213	0.356	0.356	24.757	1.6	0.2	0.32
19981226	1.257	0.269	0.269	18.799	4.2	0.2	0.84
19981227	1.172	0.422	0.422	29.121	2.8	0.2	0.56
19981228	1.140	0.468	0.468	33.732	2.5	0.2	0.5
19981229	1.313	0.201	0.201	12.644	6.4	0.2	1.28
19981230	1.357	0.145	0.145	8.637	2.9	0.2	0.58
19981231	#DIV/0!	0.167	0.167	0.000	1.6	0.2	0.32
19990101	#DIV/0!	0.167	0.167	0.000	0m	0.2	#VALUE!
19990102	1.265	0.220	0.220	17.578	2.1	0.2	0.42
19990103	1.355	0.129	0.129	8.769	1.7	0.2	0.34
19990104	1.414	0.085	0.085	5.245	5.8	0.2	1.16
19990105	1.312	0.179	0.179	13.514	1.6	0.2	0.32
19990106	1.337	0.163	0.163	10.525	6.3	0.2	1.26
19990107	1.359	0.145	0.145	9.799	4.7	0.2	0.94
19990108	1.351	0.138	0.138	10.316	1.3	0.2	0.26
19990109	1.353	0.142	0.142	9.854	4.8	0.2	0.96
19990110	1.340	0.163	0.163	10.117	5.3	0.2	1.06
19990111	1.278	0.220	0.220	16.150	1.7	0.2	0.34
19990112	1.359	0.120	0.120	9.243	3.6	0.2	0.72
19990113	1.375	0.129	0.129	8.576	3.2	0.2	0.64
19990114	1.315	0.179	0.179	14.141	1.3	0.2	0.26
19990115	1.180	0.349	0.349	28.939	3.1	0.2	0.62
19990116	#DIV/0!	0.662	0.662	0.000	0m	0.2	#VALUE!
19990117	#DIV/0!	0.636	0.636	0.000	0m	0.2	#VALUE!
19990118	1.193	0.349	0.349	25.278	2.6	0.2	0.52
19990119	1.193	0.396	0.396	26.743	3.5	0.2	0.7
19990120	1.162	0.405	0.405	32.169	2.8	0.2	0.56
19990121	1.111	0.459	0.459	40.838	2.3	0.2	0.46
19990122	1.115	0.468	0.468	40.056	1.5	0.2	0.3
19990123	1.137	0.431	0.431	35.772	1.6	0.2	0.32
19990124	1.211	0.306	0.306	27.259	1.9	0.2	0.38
19990125	1.285	0.246	0.246	17.573	7	0.2	1.4
19990126	1.151	0.449	0.449	35.053	2.3	0.2	0.46
19990127	1.118	0.449	0.449	39.322	2.2	0.2	0.44
19990128	1.203	0.349	0.349	28.416	3.1	0.2	0.62
19990129	1.072	0.587	0.587	50.482	6.6	0.2	1.32
19990130	1.154	0.459	0.459	37.856	6.6	0.2	1.32
19990131	1.220	0.349	0.349	26.498	5.7	0.2	1.14
19990201	1.093	0.498	0.498	43.618	2.6	0.2	0.52
19990202	1.084	0.575	0.575	41.704	6.2	0.2	1.24
19990203	1.074	0.552	0.552	42.251	2.8	0.2	0.56
19990204	1.292	0.251	0.251	14.324	7.5	0.2	1.5

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19990205	1.097	0.552	0.552	41.423	3.2	0.2	0.64
19990206	1.175	0.440	0.440	29.707	8.2	0.2	1.64
19990207	0.992	0.761	0.761	58.960	2.7	0.2	0.54
19990208	0.924	0.942	0.942	69.699	4.5	0.2	0.9
19990209	0.976	0.889	0.889	62.679	7.6	0.2	1.52
19990210	0.935	0.889	0.889	68.902	2.9	0.2	0.58
19990211	1.106	0.478	0.478	39.221	2.1	0.2	0.42
19990212	1.238	0.334	0.334	20.039	1.5	0.2	0.3
19990213	#DIV/0!	0.478	0.478	0.000	0m	0.2	#VALUE!
19990214	#DIV/0!	0.924	0.924	0.000	0m	0.2	#VALUE!
19990215	#DIV/0!	0.599	0.599	0.000	0m	0.2	#VALUE!
19990216	1.158	0.413	0.413	33.061	1.9	0.2	0.38
19990217	#DIV/0!	0.364	0.364	0.000	3.4	0.2	0.68
19990218	#DIV/0!	0.388	0.388	0.000	5.3	0.2	1.06
19990219	1.200	0.431	0.431	26.506	6.8	0.2	1.36
19990220	1.224	0.413	0.413	23.969	6.4	0.2	1.28
19990221	1.207	0.449	0.449	27.413	10.5	0.2	2.1
19990222	1.203	0.468	0.468	25.533	4.8	0.2	0.96
19990223	1.191	0.449	0.449	27.188	5.2	0.2	1.04
19990224	1.023	0.649	0.649	55.827	3.5	0.2	0.7
19990225	0.978	0.761	0.761	64.286	8.1	0.2	1.62
19990226	0.973	0.761	0.761	63.525	4.1	0.2	0.82
19990227	0.975	0.703	0.703	61.513	3	0.2	0.6
19990228	1.092	0.575	0.575	40.841	5.3	0.2	1.06
19990301	0.907	0.906	0.906	74.776	6.5	0.5	3.25
19990302	1.104	0.599	0.599	38.935	6	0.5	3
19990303	1.192	0.459	0.459	26.614	12.1	0.5	6.05
19990304	1.105	0.624	0.624	39.912	4.2	0.5	2.1
19990305	1.161	0.509	0.509	32.059	3.1	0.5	1.55
19990306	1.255	0.380	0.380	19.557	11	0.5	5.5
19990307	1.229	0.422	0.422	23.635	9.5	0.5	4.75
19990308	#DIV/0!	0.405	0.405	0.000	0m	0.5	#VALUE!
19990309	1.174	0.396	0.396	31.695	2.4	0.5	1.2
19990310	1.186	0.431	0.431	30.385	10.2	0.5	5.1
19990311	1.200	0.413	0.413	28.515	13.5	0.5	6.75
19990312	1.222	0.380	0.380	25.443	12.2	0.5	6.1
19990313	1.159	0.530	0.530	33.667	9.1	0.5	4.55
19990314	1.131	0.552	0.552	37.280	12.7	0.5	6.35
19990315	1.036	0.776	0.776	50.431	12.1	0.5	6.05
19990316	0.875	1.017	1.017	79.296	9.9	0.5	4.95
19990317	0.935	0.906	0.906	67.525	4.6	0.5	2.3
19990318	1.093	0.717	0.717	43.383	14.8	0.5	7.4
19990319	1.042	0.823	0.823	53.065	15.2	0.5	7.6
19990320	1.073	0.731	0.731	45.346	11.7	0.5	5.85
19990321	1.104	0.761	0.761	39.180	15.6	0.5	7.8
19990322	1.097	0.761	0.761	40.321	11.7	0.5	5.85
19990323	1.045	0.872	0.872	48.398	14.5	0.5	7.25
19990324	1.183	0.587	0.587	26.709	16.6	0.5	8.3
19990325	1.177	0.636	0.636	27.996	16.6	0.5	8.3
19990326	1.032	0.924	0.924	52.205	16.8	0.5	8.4
19990327	1.009	1.076	1.076	53.265	9.6	0.5	4.8
19990328	0.936	0.997	0.997	68.326	4.7	0.5	2.35
19990329	1.009	1.117	1.117	54.192	17.1	0.5	8.55
19990330	0.904	1.474	1.474	71.508	11.9	0.5	5.95
19990331	0.700	1.861	1.861	110.748	5.2	0.5	2.6
19990401	0.657	1.614	1.614	121.850	4.4	0.775	3.41
19990402	0.818	1.117	1.117	91.624	6.2	0.775	4.805
19990403	0.949	0.761	0.761	66.948	6.2	0.775	4.805
19990404	1.015	0.791	0.791	54.593	17.1	0.775	13.2525
19990405	0.898	0.997	0.997	76.804	4.7	0.775	3.6425
19990406	0.981	0.839	0.839	59.979	11.5	0.775	8.9125
19990407	0.908	1.321	1.321	71.338	16.2	0.775	12.555
19990408	0.878	1.448	1.448	76.010	8.8	0.775	6.82
19990409	1.034	0.979	0.979	47.463	12.2	0.775	9.455
19990410	0.933	1.097	1.097	67.437	5.8	0.775	4.495

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19990411	0.912	0.872	0.872	75.432	6.8	0.775	5.27
19990412	0.994	0.872	0.872	61.043	19.7	0.775	15.2675
19990413	0.791	1.474	1.474	98.048	8.2	0.775	6.355
19990414	0.835	1.371	1.371	87.714	7.5	0.775	5.8125
19990415	0.864	0.960	0.960	83.529	4.2	0.775	3.255
19990416	1.039	0.703	0.703	49.562	9.3	0.775	7.2075
19990417	1.087	0.624	0.624	43.030	9.4	0.775	7.285
19990418	1.060	0.703	0.703	47.804	9	0.775	6.975
19990419	0.881	1.160	1.160	79.465	8.7	0.775	6.7425
19990420	0.781	1.182	1.182	99.875	5.9	0.775	4.5725
19990421	0.656	1.643	1.643	123.238	5.4	0.775	4.185
19990422	0.979	1.017	1.017	59.981	4.9	0.775	3.7975
19990423	1.129	0.823	0.823	34.142	17.4	0.775	13.485
19990424	1.036	1.097	1.097	50.989	17.8	0.775	13.795
19990425	0.899	1.321	1.321	75.961	20.1	0.775	15.5775
19990426	0.876	1.585	1.585	76.878	12	0.775	9.3
19990427	0.931	1.273	1.273	67.478	6.5	0.775	5.0375
19990428	1.015	1.321	1.321	51.522	20.3	0.775	15.7325
19990429	0.918	1.422	1.422	73.214	21.8	0.775	16.895
19990430	0.828	1.585	1.585	91.144	23.9	0.775	18.5225
19991101	#DIV/0!	1.056	1.056	54.907	8.4	0.5	4.2
19991102	#DIV/0!	0.776	0.776	34.526	13.2	0.5	6.6
19991103	#DIV/0!	0.942	0.942	47.565	12.8	0.5	6.4
19991104	#DIV/0!	1.117	1.117	56.427	5.2	0.5	2.6
19991105	#DIV/0!	0.960	0.960	41.764	10.6	0.5	5.3
19991106	#DIV/0!	1.056	1.056	48.044	11.3	0.5	5.65
19991107	#DIV/0!	1.501	1.501	65.312	11.4	0.5	5.7
19991108	#DIV/0!	2.141	2.141	116.706	9	0.5	4.5
19991109	#DIV/0!	1.765	1.765	106.776	10.6	0.5	5.3
19991110	#DIV/0!	0.942	0.942	69.228	3.8	0.5	1.9
19991111	0.794	1.204	1.204	100.551	3.9	0.5	1.95
19991112	0.753	1.346	1.346	106.975	7.2	0.5	3.6
19991113	0.729	1.829	1.829	106.978	9.6	0.5	4.8
19991114	1.036	0.807	0.807	53.250	9.8	0.5	4.9
19991115	0.955	1.036	1.036	66.829	5.3	0.5	2.65
19991116	1.006	0.924	0.924	57.749	8.8	0.5	4.4
19991117	1.051	0.889	0.889	46.231	9.6	0.5	4.8
19991118	0.911	1.160	1.160	70.184	9	0.5	4.5
19991119	1.056	0.662	0.662	47.352	3.5	0.5	1.75
19991120	1.082	0.731	0.731	42.055	6.5	0.5	3.25
19991121	0.979	0.823	0.823	60.469	5.1	0.5	2.55
19991122	1.018	0.703	0.703	56.241	7.4	0.5	3.7
19991123	1.024	0.636	0.636	55.674	2.8	0.5	1.4
19991124	1.030	0.761	0.761	54.015	8.1	0.5	4.05
19991125	1.070	0.717	0.717	44.459	5.5	0.5	2.75
19991126	1.020	0.791	0.791	51.429	4.7	0.5	2.35
19991127	1.083	0.662	0.662	44.041	8.2	0.5	4.1
19991128	1.114	0.649	0.649	41.221	6.7	0.5	3.35
19991129	1.181	0.552	0.552	32.033	8.5	0.5	4.25
19991130	1.018	0.872	0.872	57.991	4.1	0.5	2.05
19991201	0.950	1.036	1.036	66.310	5.2	0.2	1.04
19991202	1.045	0.717	0.717	48.402	3.1	0.2	0.62
19991203	1.075	0.636	0.636	43.585	7.8	0.2	1.56
19991204	1.111	0.530	0.530	41.090	2.8	0.2	0.56
19991205	1.171	0.488	0.488	30.031	7.4	0.2	1.48
19991206	1.083	0.611	0.611	44.923	6.4	0.2	1.28
19991207	1.047	0.662	0.662	49.670	4.6	0.2	0.92
19991208	#DIV/0!	0.731	0.731	54.488	0	0.2	0
19991209	1.133	0.575	0.575	36.527	5.4	0.2	1.08
19991210	1.176	0.459	0.459	30.743	4.9	0.2	0.98
19991211	1.044	0.703	0.703	51.671	3.9	0.2	0.78
19991212	1.042	0.731	0.731	50.466	4.8	0.2	0.96
19991213	1.055	0.676	0.676	48.644	6.9	0.2	1.38
19991214	1.038	0.649	0.649	51.932	2.3	0.2	0.46
19991215	1.222	0.320	0.320	21.911	2.3	0.2	0.46

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
19991216	1.344	0.152	0.152	9.281	5.3	0.2	1.06
19991217	1.288	0.269	0.269	14.771	3.2	0.2	0.64
19991218	1.185	0.422	0.422	29.121	3.6	0.2	0.72
19991219	1.195	0.356	0.356	26.538	2	0.2	0.4
19991220	1.336	0.156	0.156	10.123	2.3	0.2	0.46
19991221	1.346	0.163	0.163	10.688	3.4	0.2	0.68
19991222	1.350	0.159	0.159	10.044	5.1	0.2	1.02
19991223	1.224	0.320	0.320	25.430	1.7	0.2	0.34
19991224	1.163	0.422	0.422	36.085	2.1	0.2	0.42
19991225	1.006	0.761	0.761	58.580	6.2	0.2	1.24
19991226	1.141	0.552	0.552	34.795	4.4	0.2	0.88
19991227	1.169	0.440	0.440	31.908	5	0.2	1
19991228	0.999	0.746	0.746	56.320	1.8	0.2	0.36
19991229	0.989	1.036	1.036	63.720	5.2	0.2	1.04
19991230	1.043	0.636	0.636	50.902	2.3	0.2	0.46
19991231	#DIV/0!	0.717	0.717	0.000	3.8	0.2	0.76
20000101	#DIV/0!	0.611	0.611	0.000	0	0.2	0
20000102	1.080	0.552	0.552	44.184	2.1	0.2	0.42
20000103	1.124	0.488	0.488	38.821	1.9	0.2	0.38
20000104	1.244	0.293	0.293	21.258	4.7	0.2	0.94
20000105	1.243	0.263	0.263	21.541	3.6	0.2	0.72
20000106	1.214	0.349	0.349	24.929	2.9	0.2	0.58
20000107	1.216	0.341	0.341	26.106	2.8	0.2	0.56
20000108	1.080	0.587	0.587	44.025	5.9	0.2	1.18
20000109	0.986	0.662	0.662	60.266	2	0.2	0.4
20000110	1.020	0.587	0.587	51.363	2.2	0.2	0.44
20000111	1.191	0.388	0.388	27.152	5.1	0.2	1.02
20000112	1.263	0.263	0.263	19.308	3.9	0.2	0.78
20000113	1.278	0.257	0.257	20.555	2.6	0.2	0.52
20000114	1.271	0.257	0.257	20.555	3.9	0.2	0.78
20000115	1.179	0.405	0.405	29.539	3.1	0.2	0.62
20000116	1.309	0.246	0.246	14.992	3.8	0.2	0.76
20000117	1.302	0.210	0.210	15.647	2.1	0.2	0.42
20000118	1.192	0.396	0.396	28.724	6.5	0.2	1.3
20000119	1.211	0.341	0.341	25.765	2.5	0.2	0.5
20000120	1.334	0.167	0.167	11.524	3.4	0.2	0.68
20000121	1.328	0.167	0.167	12.442	4.6	0.2	0.92
20000122	1.295	0.196	0.196	14.125	2.9	0.2	0.58
20000123	1.262	0.281	0.281	18.102	6.6	0.2	1.32
20000124	1.311	0.183	0.183	13.188	4.3	0.2	0.86
20000125	1.298	0.235	0.235	14.808	6.3	0.2	1.26
20000126	1.321	0.201	0.201	13.447	7	0.2	1.4
20000127	1.313	0.215	0.215	15.468	6.4	0.2	1.28
20000128	1.275	0.287	0.287	19.937	4.9	0.2	0.98
20000129	1.247	0.327	0.327	23.207	3.2	0.2	0.64
20000130	1.247	0.313	0.313	21.285	4.2	0.2	0.84
20000131	1.214	0.334	0.334	24.882	6.8	0.2	1.36
20000201	1.198	0.396	0.396	28.724	7.2	0.2	1.44
20000202	1.170	0.388	0.388	31.031	2.8	0.2	0.56
20000203	1.081	0.599	0.599	43.727	1.5	0.2	0.3
20000204	1.148	0.488	0.488	36.379	2.7	0.2	0.54
20000205	1.230	0.341	0.341	23.717	5.1	0.2	1.02
20000206	1.085	0.587	0.587	45.786	2.4	0.2	0.48
20000207	1.154	0.488	0.488	35.647	7.9	0.2	1.58
20000208	1.157	0.440	0.440	33.668	4.2	0.2	0.84
20000209	1.015	0.746	0.746	55.574	2.8	0.2	0.56
20000210	1.061	0.636	0.636	48.357	2.4	0.2	0.48
20000211	1.277	0.306	0.306	16.233	8.7	0.2	1.74
20000212	1.220	0.327	0.327	24.678	5.2	0.2	1.04
20000213	1.250	0.281	0.281	19.786	5.2	0.2	1.04
20000214	1.273	0.230	0.230	17.238	2.6	0.2	0.52
20000215	1.152	0.413	0.413	33.474	3.1	0.2	0.62
20000216	1.255	0.349	0.349	19.699	4.2	0.2	0.84
20000217	1.225	0.356	0.356	24.757	2.8	0.2	0.56
20000218	1.145	0.468	0.468	36.542	3	0.2	0.6

yyyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
20000219	1.225	0.349	0.349	23.883	6.2	0.2	1.24
20000220	1.176	0.422	0.422	31.864	7.1	0.2	1.42
20000221	0.983	0.807	0.807	62.125	4.5	0.2	0.9
20000222	0.855	1.056	1.056	85.001	4.9	0.2	0.98
20000223	0.736	1.139	1.139	109.869	3	0.2	0.6
20000224	0.941	0.746	0.746	70.493	2.9	0.2	0.58
20000225	0.798	1.076	1.076	95.231	2.2	0.2	0.44
20000226	0.833	1.076	1.076	86.623	3.6	0.2	0.72
20000227	1.058	0.746	0.746	47.368	10.7	0.2	2.14
20000228	0.996	0.872	0.872	58.427	4.9	0.2	0.98
20000229	0.959	1.227	1.227	60.114	8.1	0.2	1.62
20000301	1.032	0.906	0.906	51.210	7	0.5	3.5
20000302	1.147	0.636	0.636	33.405	10.2	0.5	5.1
20000303	1.094	0.689	0.689	41.007	9.4	0.5	4.7
20000304	0.920	1.139	1.139	70.589	7.8	0.5	3.9
20000305	0.911	1.204	1.204	71.650	12	0.5	6
20000306	0.825	1.501	1.501	87.833	4.5	0.5	2.25
20000307	0.685	1.703	1.703	116.661	10	0.5	5
20000308	0.604	1.861	1.861	131.223	3.7	0.5	1.85
20000309	0.894	1.097	1.097	77.854	3.8	0.5	1.9
20000310	1.204	0.431	0.431	26.075	7	0.5	3.5
20000311	1.191	0.459	0.459	27.531	9.6	0.5	4.8
20000312	1.130	0.552	0.552	37.833	3.5	0.5	1.75
20000313	1.185	0.380	0.380	30.189	6.9	0.5	3.45
20000314	1.049	0.703	0.703	49.562	10.1	0.5	5.05
20000315	1.106	0.676	0.676	38.510	5	0.5	2.5
20000316	1.240	0.509	0.509	17.810	10.4	0.5	5.2
20000317	1.238	0.459	0.459	19.501	10.8	0.5	5.4
20000318	1.013	0.761	0.761	57.819	2.6	0.5	1.3
20000319	0.991	0.746	0.746	61.541	5.2	0.5	2.6
20000320	1.057	0.676	0.676	48.644	5.1	0.5	2.55
20000321	0.998	0.791	0.791	61.319	5.4	0.5	2.7
20000322	0.907	1.036	1.036	78.226	6.3	0.5	3.15
20000323	0.823	1.204	1.204	93.325	4.5	0.5	2.25
20000324	0.717	1.273	1.273	112.039	4.3	0.5	2.15
20000325	0.974	1.097	1.097	59.761	13.1	0.5	6.55
20000326	0.943	1.097	1.097	64.148	7.5	0.5	3.75
20000327	0.974	0.889	0.889	58.234	4.6	0.5	2.3
20000328	1.063	0.776	0.776	43.836	16.8	0.5	8.4
20000329	1.042	0.791	0.791	49.846	17	0.5	8.5
20000330	0.956	1.182	1.182	64.416	11.7	0.5	5.85
20000331	0.937	1.321	1.321	67.374	9.4	0.5	4.7
20000401	0.970	1.139	1.139	60.912	10.7	0.775	8.2925
20000402	0.919	1.117	1.117	69.277	5.2	0.775	4.03
20000403	1.052	0.746	0.746	46.995	5.4	0.775	4.185
20000404	1.119	0.776	0.776	33.750	17.8	0.775	13.795
20000405	0.905	1.529	1.529	67.271	11.5	0.775	8.9125
20000406	1.100	0.823	0.823	35.377	14.3	0.775	11.0825
20000407	1.127	0.689	0.689	34.459	5.6	0.775	4.34
20000408	1.117	0.761	0.761	36.137	14.6	0.775	11.315
20000409	1.100	0.855	0.855	37.634	16.7	0.775	12.9425
20000410	1.076	0.761	0.761	45.266	7.8	0.775	6.045
20000411	1.077	0.689	0.689	46.865	5.3	0.775	4.1075
20000412	1.109	0.649	0.649	41.871	9.1	0.775	7.0525
20000413	0.904	1.346	1.346	73.335	10	0.775	7.75
20000414	0.994	0.872	0.872	57.119	7.5	0.775	5.8125
20000415	1.065	0.575	0.575	49.182	7.2	0.775	5.58
20000416	1.068	0.575	0.575	49.182	7	0.775	5.425
20000417	0.978	0.761	0.761	64.666	7.2	0.775	5.58
20000418	0.839	1.139	1.139	88.806	7.3	0.775	5.6575
20000419	0.832	1.036	1.036	90.141	6.9	0.775	5.3475
20000420	0.926	0.979	0.979	71.439	4.4	0.775	3.41
20000421	0.958	1.250	1.250	63.115	22.2	0.775	17.205
20000422	0.709	1.997	1.997	109.838	15.3	0.775	11.8575
20000423	0.823	1.474	1.474	88.464	21.4	0.775	16.585

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
20000424	0.824	1.557	1.557	89.515	22.4	0.775	17.36
20000425	0.910	1.703	1.703	70.678	22.8	0.775	17.67
20000426	0.902	1.673	1.673	71.934	18.1	0.775	14.0275
20000427	0.769	1.703	1.703	99.630	10.2	0.775	7.905
20000428	0.889	1.396	1.396	76.773	19	0.775	14.725
20000429	0.875	1.346	1.346	81.409	19.4	0.775	15.035
20000430	0.763	1.529	1.529	103.199	12.1	0.775	9.3775
20001101	#DIV/0!	1.765	1.765	156.193	2.7	0.5	1.35
20001102	#DIV/0!	1.017	1.017	66.080	10	0.5	5
20001103	#DIV/0!	0.960	0.960	62.406	7.5	0.5	3.75
20001104	#DIV/0!	1.097	1.097	64.148	12.4	0.5	6.2
20001105	#DIV/0!	1.056	1.056	71.802	5.7	0.5	2.85
20001106	#DIV/0!	1.056	1.056	98.200	2.9	0.5	1.45
20001107	#DIV/0!	0.703	0.703	63.974	1.9	0.5	0.95
20001108	#DIV/0!	0.459	0.459	36.479	4.2	0.5	2.1
20001109	#DIV/0!	0.459	0.459	36.250	3.4	0.5	1.7
20001110	#DIV/0!	0.413	0.413	32.028	4.1	0.5	2.05
20001111	#DIV/0!	0.313	0.313	23.789	3.9	0.5	1.95
20001112	#DIV/0!	0.624	0.624	56.750	3.6	0.5	1.8
20001113	#DIV/0!	0.509	0.509	45.289	2.4	0.5	1.2
20001114	#DIV/0!	0.327	0.327	24.515	4	0.5	2
20001115	#DIV/0!	0.449	0.449	36.176	7.6	0.5	3.8
20001116	#DIV/0!	0.380	0.380	30.189	3.4	0.5	1.7
20001117	#DIV/0!	0.334	0.334	25.717	3.3	0.5	1.65
20001118	#DIV/0!	0.405	0.405	30.955	3.9	0.5	1.95
20001119	#DIV/0!	0.431	0.431	37.065	3.1	0.5	1.55
20001120	#DIV/0!	0.246	0.246	16.467	2.9	0.5	1.45
20001121	#DIV/0!	0.306	0.306	23.431	10.2	0.5	5.1
20001122	#DIV/0!	0.275	0.275	21.689	6.6	0.5	3.3
20001123	#DIV/0!	0.341	0.341	26.618	6.2	0.5	3.1
20001124	#DIV/0!	0.552	0.552	46.669	8.6	0.5	4.3
20001125	#DIV/0!	0.431	0.431	35.341	6.3	0.5	3.15
20001126	#DIV/0!	0.388	0.388	37.043	3.7	0.5	1.85
20001127	#DIV/0!	0.552	0.552	50.259	2.6	0.5	1.3
20001128	#DIV/0!	0.541	0.541	49.515	2.8	0.5	1.4
20001129	#DIV/0!	0.498	0.498	42.372	2.8	0.5	1.4
20001130	#DIV/0!	0.449	0.449	35.952	2.3	0.5	1.15
20001201	#DIV/0!	0.413	0.413	29.962	2.8	0.2	0.56
20001202	#DIV/0!	0.287	0.287	20.941	7.9	0.2	1.58
20001203	#DIV/0!	0.334	0.334	24.214	6.4	0.2	1.28
20001204	#DIV/0!	0.519	0.519	38.178	2.4	0.2	0.48
20001205	#DIV/0!	0.300	0.300	19.030	6.9	0.2	1.38
20001206	#DIV/0!	0.240	0.240	17.907	1.8	0.2	0.36
20001207	#DIV/0!	0.396	0.396	31.497	2.6	0.2	0.52
20001208	#DIV/0!	0.349	0.349	23.535	5.5	0.2	1.1
20001209	#DIV/0!	0.327	0.327	27.783	2.6	0.2	0.52
20001210	#DIV/0!	0.205	0.205	14.167	5.1	0.2	1.02
20001211	#DIV/0!	0.120	0.120	8.282	3.7	0.2	0.74
20001212	#DIV/0!	0.114	0.114	7.493	6.7	0.2	1.34
20001213	#DIV/0!	0.171	0.171	13.588	2.5	0.2	0.5
20001214	#DIV/0!	0.167	0.167	14.196	4.1	0.2	0.82
20001215	#DIV/0!	0.210	0.210	17.432	2	0.2	0.4
20001216	#DIV/0!	0.210	0.210	17.327	1.8	0.2	0.36
20001217	#DIV/0!	0.135	0.135	9.196	5.6	0.2	1.12
20001218	#DIV/0!	0.175	0.175	14.693	5.1	0.2	1.02
20001219	#DIV/0!	0.149	0.149	10.849	5.5	0.2	1.1
20001220	#DIV/0!	0.246	0.246	19.170	2.1	0.2	0.42
20001221	#DIV/0!	0.215	0.215	14.179	3	0.2	0.6
20001222	#DIV/0!	0.126	0.126	9.255	3	0.2	0.6
20001223	#DIV/0!	0.138	0.138	10.039	3.7	0.2	0.74
20001224	#DIV/0!	0.109	0.109	7.248	6.6	0.2	1.32
20001225	#DIV/0!	0.149	0.149	11.295	2.6	0.2	0.52
20001226	#DIV/0!	0.205	0.205	14.269	2	0.2	0.4
20001227	#DIV/0!	0.246	0.246	15.975	2.6	0.2	0.52
20001228	#DIV/0!	0.257	0.257	20.941	4.8	0.2	0.96

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20001229	#DIV/0!	0.196	0.196	15.695	1	0.2	0.2
20001230	#DIV/0!	0.152	0.152	12.704	1.7	0.2	0.34
20001231	#DIV/0!	0.129	0.129	0.000	1.5	0.2	0.3
20010101	#DIV/0!	0.152	0.152	11.715	5.9	0.2	1.18
20010102	#DIV/0!	0.240	0.240	19.709	6.2	0.2	1.24
20010103	#DIV/0!	0.459	0.459	37.167	2.2	0.2	0.44
20010104	#DIV/0!	0.552	0.552	46.669	2.9	0.2	0.58
20010105	#DIV/0!	0.552	0.552	35.347	5.7	0.2	1.14
20010106	#DIV/0!	0.703	0.703	56.944	2.1	0.2	0.42
20010107	#DIV/0!	0.431	0.431	30.816	3.9	0.2	0.78
20010108	#DIV/0!	0.413	0.413	30.788	4.8	0.2	0.96
20010109	#DIV/0!	0.575	0.575	0.000	6.2	0.2	1.24
20010110	#DIV/0!	0.731	0.731	58.511	5	0.2	1
20010111	#DIV/0!	0.552	0.552	52.192	2.3	0.2	0.46
20010112	#DIV/0!	0.488	0.488	44.680	2.1	0.2	0.42
20010113	#DIV/0!	0.509	0.509	48.088	2.1	0.2	0.42
20010114	#DIV/0!	0.575	0.575	54.359	1.2	0.2	0.24
20010115	#DIV/0!	0.413	0.413	36.161	2	0.2	0.4
20010116	#DIV/0!	0.275	0.275	21.826	2.8	0.2	0.56
20010117	#DIV/0!	0.287	0.287	21.372	5.5	0.2	1.1
20010118	#DIV/0!	0.287	0.287	22.232	1.9	0.2	0.38
20010119	#DIV/0!	0.145	0.145	10.524	6.7	0.2	1.34
20010120	#DIV/0!	0.225	0.225	15.507	6.1	0.2	1.22
20010121	#DIV/0!	0.275	0.275	21.552	4.2	0.2	0.84
20010122	#DIV/0!	0.449	0.449	34.828	4.5	0.2	0.9
20010123	#DIV/0!	0.449	0.449	35.727	5.5	0.2	1.1
20010124	#DIV/0!	0.246	0.246	17.696	6.9	0.2	1.38
20010125	#DIV/0!	0.293	0.293	18.912	6.3	0.2	1.26
20010126	#DIV/0!	0.341	0.341	27.983	2.5	0.2	0.5
20010127	#DIV/0!	0.364	0.364	28.749	5.9	0.2	1.18
20010128	#DIV/0!	0.356	0.356	31.703	2.5	0.2	0.5
20010129	#DIV/0!	0.440	0.440	40.050	1.9	0.2	0.38
20010130	#DIV/0!	0.478	0.478	40.896	2.4	0.2	0.48
20010131	#DIV/0!	0.372	0.372	28.067	4.7	0.2	0.94
20010201	#DIV/0!	0.215	0.215	15.145	7.7	0.2	1.54
20010202	#DIV/0!	0.129	0.129	9.478	4.5	0.2	0.9
20010203	#DIV/0!	0.468	0.468	39.353	2	0.2	0.4
20010204	#DIV/0!	0.459	0.459	38.085	1.9	0.2	0.38
20010205	#DIV/0!	0.440	0.440	40.270	2.4	0.2	0.48
20010206	#DIV/0!	0.396	0.396	32.685	4.9	0.2	0.98
20010207	#DIV/0!	0.396	0.396	35.063	5.3	0.2	1.06
20010208	#DIV/0!	0.293	0.293	25.510	2.8	0.2	0.56
20010209	#DIV/0!	0.142	0.142	10.350	6.6	0.2	1.32
20010210	#DIV/0!	0.123	0.123	7.623	5.2	0.2	1.04
20010211	#DIV/0!	0.225	0.225	13.709	3.9	0.2	0.78
20010212	#DIV/0!	0.313	0.313	25.667	2.7	0.2	0.54
20010213	#DIV/0!	0.349	0.349	31.728	3	0.2	0.6
20010214	#DIV/0!	0.152	0.152	11.183	5.4	0.2	1.08
20010215	#DIV/0!	0.196	0.196	15.204	6.9	0.2	1.38
20010216	#DIV/0!	0.175	0.175	12.769	9.6	0.2	1.92
20010217	#DIV/0!	0.142	0.142	9.216	9.7	0.2	1.94
20010218	#DIV/0!	0.240	0.240	18.628	5.1	0.2	1.02
20010219	#DIV/0!	0.320	0.320	25.430	6.3	0.2	1.26
20010220	#DIV/0!	0.167	0.167	10.689	10.3	0.2	2.06
20010221	#DIV/0!	0.156	0.156	9.111	9.4	0.2	1.88
20010222	#DIV/0!	0.240	0.240	16.825	3.6	0.2	0.72
20010223	#DIV/0!	0.230	0.230	16.893	7.5	0.2	1.5
20010224	#DIV/0!	0.431	0.431	36.850	3.7	0.2	0.74
20010225	#DIV/0!	0.293	0.293	24.630	3.9	0.2	0.78
20010226	#DIV/0!	0.183	0.183	12.913	10.1	0.2	2.02
20010227	#DIV/0!	0.138	0.138	8.516	10.5	0.2	2.1
20010228	#DIV/0!	0.251	0.251	17.340	6.6	0.2	1.32
20010301	#DIV/0!	0.293	0.293	24.190	7.1	0.5	3.55
20010302	#DIV/0!	0.498	0.498	40.876	7.7	0.5	3.85
20010303	#DIV/0!	0.468	0.468	36.777	10.8	0.5	5.4

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20010304	#DIV/0!	0.413	0.413	26.036	12.4	0.5	6.2
20010305	#DIV/0!	0.306	0.306	17.611	12.7	0.5	6.35
20010306	#DIV/0!	0.313	0.313	19.407	11.2	0.5	5.6
20010307	#DIV/0!	0.440	0.440	36.089	3.8	0.5	1.9
20010308	#DIV/0!	0.509	0.509	36.384	4.1	0.5	2.05
20010309	#DIV/0!	0.422	0.422	33.764	12.2	0.5	6.1
20010310	#DIV/0!	0.372	0.372	25.836	4.6	0.5	2.3
20010311	#DIV/0!	0.306	0.306	18.071	11.8	0.5	5.9
20010312	#DIV/0!	0.263	0.263	22.592	6	0.5	3
20010313	#DIV/0!	0.519	0.519	43.892	5.3	0.5	2.65
20010314	#DIV/0!	0.587	0.587	43.438	8.1	0.5	4.05
20010315	#DIV/0!	0.587	0.587	35.220	9.3	0.5	4.65
20010316	#DIV/0!	0.405	0.405	23.672	8.6	0.5	4.3
20010317	#DIV/0!	0.388	0.388	25.794	14.9	0.5	7.45
20010318	#DIV/0!	0.564	0.564	46.220	9.2	0.5	4.6
20010319	#DIV/0!	0.575	0.575	45.155	5	0.5	2.5
20010320	#DIV/0!	0.731	0.731	53.757	7.4	0.5	3.7
20010321	#DIV/0!	0.703	0.703	50.968	11.3	0.5	5.65
20010322	#DIV/0!	0.541	0.541	47.350	4.9	0.5	2.45
20010323	#DIV/0!	0.449	0.449	30.110	9.3	0.5	4.65
20010324	#DIV/0!	0.327	0.327	17.814	10.6	0.5	5.3
20010325	#DIV/0!	0.287	0.287	15.778	13.1	0.5	6.55
20010326	#DIV/0!	0.275	0.275	16.747	16.6	0.5	8.3
20010327	#DIV/0!	0.320	0.320	20.312	16.9	0.5	8.45
20010328	#DIV/0!	0.599	0.599	43.727	5.6	0.5	2.8
20010329	#DIV/0!	0.676	0.676	60.129	5.9	0.5	2.95
20010330	#DIV/0!	0.703	0.703	63.974	4.8	0.5	2.4
20010331	#DIV/0!	0.761	0.761	54.776	5.6	0.5	2.8
20010401	#DIV/0!	0.761	0.761	45.647	13.6	0.775	10.54
20010402	#DIV/0!	0.731	0.731	54.123	10.9	0.775	8.4475
20010403	#DIV/0!	0.731	0.731	47.540	8.6	0.775	6.665
20010404	#DIV/0!	0.889	0.889	55.122	11	0.775	8.525
20010405	#DIV/0!	0.823	0.823	63.760	4.6	0.775	3.565
20010406	#DIV/0!	0.839	0.839	65.432	5.6	0.775	4.34
20010407	#DIV/0!	1.139	1.139	92.222	5.4	0.775	4.185
20010408	#DIV/0!	0.807	0.807	54.461	12.4	0.775	9.61
20010409	#DIV/0!	0.872	0.872	59.735	8.2	0.775	6.355
20010410	#DIV/0!	1.097	1.097	87.175	7.3	0.775	5.6575
20010411	#DIV/0!	0.942	0.942	87.595	6.5	0.775	5.0375
20010412	#DIV/0!	0.906	0.906	74.776	4.1	0.775	3.1775
20010413	#DIV/0!	0.997	0.997	65.334	13.4	0.775	10.385
20010414	#DIV/0!	1.321	1.321	81.906	15.6	0.775	12.09
20010415	#DIV/0!	0.823	0.823	60.058	7.6	0.775	5.89
20010416	#DIV/0!	0.575	0.575	39.115	4	0.775	3.1
20010417	#DIV/0!	0.731	0.731	31.815	21.8	0.775	16.895
20010418	#DIV/0!	1.117	1.117	59.779	16.1	0.775	12.4775
20010419	#DIV/0!	1.396	1.396	83.753	9.6	0.775	7.44
20010420	#DIV/0!	1.734	1.734	121.362	12.1	0.775	9.3775
20010421	#DIV/0!	0.979	0.979	80.247	7.4	0.775	5.735
20010422	#DIV/0!	0.761	0.761	69.231	5.9	0.775	4.5725
20010423	#DIV/0!	0.791	0.791	65.275	5.2	0.775	4.03
20010424	#DIV/0!	1.273	1.273	84.666	12.8	0.775	9.92
20010425	#DIV/0!	1.614	1.614	103.290	17.6	0.775	13.64
20010426	#DIV/0!	1.614	1.614	65.363	19	0.775	14.725
20010427	#DIV/0!	1.765	1.765	81.185	18.8	0.775	14.57
20010428	#DIV/0!	2.335	2.335	89.882	13.5	0.775	10.4625
20010429	#DIV/0!	2.676	2.676	120.398	20.5	0.775	15.8875
20010430	#DIV/0!	1.962	1.962	127.551	6.5	0.775	5.0375
20011101	#DIV/0!	1.501	1.501	72.068	9	0.5	4.5
20011102	#DIV/0!	1.227	1.227	52.140	13.4	0.5	6.7
20011103	#DIV/0!	1.585	1.585	81.634	12.2	0.5	6.1
20011104	#DIV/0!	1.297	1.297	73.276	9	0.5	4.5
20011105	#DIV/0!	1.614	1.614	75.854	11.2	0.5	5.6
20011106	#DIV/0!	1.297	1.297	93.379	11.3	0.5	5.65
20011107	#DIV/0!	1.371	1.371	99.364	6	0.5	3

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
20011108	#DIV/0!	0.855	0.855	58.162	9.6	0.5	4.8
20011109	#DIV/0!	1.297	1.297	67.440	9	0.5	4.5
20011110	#DIV/0!	0.997	0.997	53.863	10.5	0.5	5.25
20011111	#DIV/0!	1.056	1.056	68.634	10.2	0.5	5.1
20011112	#DIV/0!	1.585	1.585	98.277	8.6	0.5	4.3
20011113	#DIV/0!	1.557	1.557	137.775	4.3	0.5	2.15
20011114	#DIV/0!	1.614	1.614	145.252	2.4	0.5	1.2
20011115	#DIV/0!	1.614	1.614	121.850	7.4	0.5	3.7
20011116	#DIV/0!	1.529	1.529	123.839	8.5	0.5	4.25
20011117	#DIV/0!	1.797	1.797	133.842	9.1	0.5	4.55
20011118	#DIV/0!	1.448	1.448	112.205	2	0.5	1
20011119	#DIV/0!	0.676	0.676	38.172	10.2	0.5	5.1
20011120	#DIV/0!	0.906	0.906	56.195	2.6	0.5	1.3
20011121	#DIV/0!	1.321	1.321	73.319	8.9	0.5	4.45
20011122	#DIV/0!	0.997	0.997	71.817	5.2	0.5	2.6
20011123	#DIV/0!	0.979	0.979	76.332	5.5	0.5	2.75
20011124	#DIV/0!	0.889	0.889	85.794	2.2	0.5	1.1
20011125	#DIV/0!	0.676	0.676	52.022	3.1	0.5	1.55
20011126	#DIV/0!	0.624	0.624	50.202	2	0.5	1
20011127	#DIV/0!	0.468	0.468	43.336	2.2	0.5	1.1
20011128	#DIV/0!	0.413	0.413	36.161	2.7	0.5	1.35
20011129	#DIV/0!	0.388	0.388	34.522	2.3	0.5	1.15
20011130	#DIV/0!	0.530	0.530	45.066	2.9	0.5	1.45
20011201	#DIV/0!	0.405	0.405	32.372	3	0.2	0.6
20011202	#DIV/0!	0.541	0.541	43.292	4.9	0.2	0.98
20011203	#DIV/0!	0.649	0.649	52.582	3.9	0.2	0.78
20011204	#DIV/0!	0.791	0.791	70.813	2.7	0.2	0.54
20011205	#DIV/0!	0.791	0.791	63.692	1.7	0.2	0.34
20011206	#DIV/0!	0.488	0.488	30.031	5.3	0.2	1.06
20011207	#DIV/0!	0.449	0.449	37.749	2.8	0.2	0.56
20011208	#DIV/0!	0.396	0.396	30.308	5.5	0.2	1.1
20011209	#DIV/0!	0.731	0.731	49.369	7.3	0.2	1.46
20011210	#DIV/0!	0.541	0.541	38.962	5.7	0.2	1.14
20011211	#DIV/0!	0.564	0.564	40.020	5.5	0.2	1.1
20011212	#DIV/0!	0.564	0.564	45.093	2.1	0.2	0.42
20011213	#DIV/0!	0.498	0.498	38.633	2.5	0.2	0.5
20011214	#DIV/0!	0.530	0.530	48.512	2.4	0.2	0.48
20011215	#DIV/0!	0.823	0.823	66.228	2.4	0.2	0.48
20011216	#DIV/0!	0.689	0.689	58.925	2.1	0.2	0.42
20011217	#DIV/0!	0.689	0.689	48.243	6.7	0.2	1.34
20011218	#DIV/0!	0.611	0.611	42.784	2.8	0.2	0.56
20011219	#DIV/0!	0.530	0.530	24.919	6.7	0.2	1.34
20011220	#DIV/0!	0.519	0.519	33.763	5.2	0.2	1.04
20011221	#DIV/0!	0.519	0.519	31.685	2.8	0.2	0.56
20011222	#DIV/0!	0.498	0.498	40.129	1.9	0.2	0.38
20011223	#DIV/0!	0.293	0.293	21.991	2.7	0.2	0.54
20011224	#DIV/0!	0.257	0.257	16.059	4.4	0.2	0.88
20011225	#DIV/0!	0.210	0.210	13.967	3.4	0.2	0.68
20011226	#DIV/0!	0.306	0.306	24.656	2	0.2	0.4
20011227	#DIV/0!	0.396	0.396	28.525	1.8	0.2	0.36
20011228	#DIV/0!	0.293	0.293	20.965	2.2	0.2	0.44
20011229	#DIV/0!	0.230	0.230	16.433	3	0.2	0.6
20011230	#DIV/0!	0.230	0.230	15.859	2.6	0.2	0.52
20011231	#DIV/0!	0.210	0.210	11.761	4.6	0.2	0.92
20020101	#DIV/0!	0.187	0.187	14.056	2.4	0.2	0.48
20020102	#DIV/0!	0.201	0.201	14.752	6	0.2	1.2
20020103	#DIV/0!	0.380	0.380	26.202	4.1	0.2	0.82
20020104	#DIV/0!	0.396	0.396	28.724	4	0.2	0.8
20020105	#DIV/0!	0.624	0.624	54.567	3	0.2	0.6
20020106	#DIV/0!	0.313	0.313	22.537	2	0.2	0.4
20020107	#DIV/0!	0.405	0.405	27.111	4.7	0.2	0.94
20020108	#DIV/0!	0.979	0.979	74.375	3.4	0.2	0.68
20020109	#DIV/0!	0.942	0.942	66.874	5.2	0.2	1.04
20020110	#DIV/0!	0.611	0.611	47.674	1.5	0.2	0.3
20020111	#DIV/0!	0.746	0.746	57.811	6	0.2	1.2

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
20020112	#DIV/0!	0.731	0.731	49.369	6.2	0.2	1.24
20020113	#DIV/0!	0.676	0.676	50.333	2.1	0.2	0.42
20020114	#DIV/0!	0.488	0.488	45.657	1.8	0.2	0.36
20020115	#DIV/0!	0.380	0.380	29.620	2.6	0.2	0.52
20020116	#DIV/0!	0.380	0.380	29.810	1.2	0.2	0.24
20020117	#DIV/0!	0.313	0.313	23.163	5.2	0.2	1.04
20020118	#DIV/0!	0.251	0.251	16.209	6.6	0.2	1.32
20020119	#DIV/0!	0.422	0.422	32.075	4.5	0.2	0.9
20020120	#DIV/0!	0.459	0.459	34.644	3.1	0.2	0.62
20020121	#DIV/0!	0.587	0.587	48.721	2.8	0.2	0.56
20020122	#DIV/0!	0.703	0.703	41.829	3.9	0.2	0.78
20020123	#DIV/0!	0.300	0.300	22.776	2.3	0.2	0.46
20020124	#DIV/0!	0.422	0.422	28.488	5.3	0.2	1.06
20020125	#DIV/0!	0.942	0.942	52.746	4.5	0.2	0.9
20020126	#DIV/0!	0.791	0.791	49.055	4.3	0.2	0.86
20020127	#DIV/0!	0.364	0.364	30.386	3.4	0.2	0.68
20020128	#DIV/0!	0.251	0.251	21.989	2.5	0.2	0.5
20020129	#DIV/0!	0.240	0.240	19.950	2.4	0.2	0.48
20020130	#DIV/0!	0.215	0.215	16.112	4.5	0.2	0.9
20020131	#DIV/0!	0.356	0.356	28.319	2.3	0.2	0.46
20020201	#DIV/0!	0.356	0.356	25.469	7.6	0.2	1.52
20020202	#DIV/0!	0.575	0.575	41.704	2.6	0.2	0.52
20020203	#DIV/0!	0.313	0.313	22.380	3.9	0.2	0.78
20020204	#DIV/0!	0.320	0.320	20.152	8	0.2	1.6
20020205	#DIV/0!	0.498	0.498	34.147	6.6	0.2	1.32
20020206	#DIV/0!	0.807	0.807	58.495	7.9	0.2	1.58
20020207	#DIV/0!	0.889	0.889	64.012	7	0.2	1.4
20020208	#DIV/0!	0.872	0.872	56.683	6.3	0.2	1.26
20020209	#DIV/0!	0.564	0.564	47.066	3.1	0.2	0.62
20020210	#DIV/0!	0.372	0.372	23.234	7.8	0.2	1.56
20020211	#DIV/0!	0.689	0.689	44.452	3.8	0.2	0.76
20020212	#DIV/0!	0.552	0.552	33.138	8.4	0.2	1.68
20020213	#DIV/0!	0.703	0.703	39.368	8.8	0.2	1.76
20020214	#DIV/0!	0.703	0.703	38.665	3.3	0.2	0.66
20020215	#DIV/0!	0.746	0.746	45.876	6.1	0.2	1.22
20020216	#DIV/0!	0.761	0.761	45.647	2.9	0.2	0.58
20020217	#DIV/0!	0.855	0.855	57.734	8.7	0.2	1.74
20020218	#DIV/0!	0.746	0.746	48.114	4.2	0.2	0.84
20020219	#DIV/0!	0.552	0.552	53.021	3.3	0.2	0.66
20020220	#DIV/0!	0.649	0.649	58.099	1.8	0.2	0.36
20020221	#DIV/0!	0.587	0.587	40.503	8.3	0.2	1.66
20020222	#DIV/0!	0.662	0.662	52.319	6	0.2	1.2
20020223	#DIV/0!	0.855	0.855	51.747	4.8	0.2	0.96
20020224	#DIV/0!	0.478	0.478	37.069	3.5	0.2	0.7
20020225	#DIV/0!	0.281	0.281	19.365	4.4	0.2	0.88
20020226	#DIV/0!	0.235	0.235	15.630	2.8	0.2	0.56
20020227	#DIV/0!	0.240	0.240	13.460	10	0.2	2
20020228	#DIV/0!	0.281	0.281	17.821	9.6	0.2	1.92
20020301	#DIV/0!	0.179	0.179	7.607	8.1	0.5	4.05
20020302	#DIV/0!	0.225	0.225	8.427	8.8	0.5	4.4
20020303	#DIV/0!	0.183	0.183	6.960	12.5	0.5	6.25
20020304	#DIV/0!	0.320	0.320	19.192	0	0.5	0
20020305	#DIV/0!	0.413	0.413	32.648	3.5	0.5	1.75
20020306	#DIV/0!	0.313	0.313	21.128	3.9	0.5	1.95
20020307	#DIV/0!	0.320	0.320	22.391	0	0.5	0
20020308	#DIV/0!	0.356	0.356	29.565	0	0.5	0
20020309	#DIV/0!	0.240	0.240	19.589	0	0.5	0
20020310	#DIV/0!	0.225	0.225	12.585	0	0.5	0
20020311	#DIV/0!	0.372	0.372	24.350	0	0.5	0
20020312	#DIV/0!	0.791	0.791	57.758	0	0.5	0
20020313	#DIV/0!	0.649	0.649	45.766	0	0.5	0
20020314	#DIV/0!	0.498	0.498	37.636	0	0.5	0
20020315	#DIV/0!	0.356	0.356	25.825	0	0.5	0
20020316	#DIV/0!	0.405	0.405	27.314	0	0.5	0
20020317	#DIV/0!	0.552	0.552	40.318	0	0.5	0

yyyymmdd	ρ - density of air	e^s	$e_{\text{atmosphere}}$	q	Solar Radiation (MJ/m ²)	α - albedo adjustment	Net Solar Radiation (MJ/m ²)
20020318	#DIV/0!	0.372	0.372	31.413	0	0.5	0
20020319	#DIV/0!	0.431	0.431	31.463	0	0.5	0
20020320	#DIV/0!	0.275	0.275	17.845	0	0.5	0
20020321	#DIV/0!	0.215	0.215	13.427	0	0.5	0
20020322	#DIV/0!	0.287	0.287	15.061	0	0.5	0
20020323	#DIV/0!	0.356	0.356	20.126	0	0.5	0
20020324	#DIV/0!	0.293	0.293	13.781	0	0.5	0
20020325	#DIV/0!	0.263	0.263	11.427	0	0.5	0
20020326	#DIV/0!	0.364	0.364	19.833	0	0.5	0
20020327	#DIV/0!	0.662	0.662	34.769	0	0.5	0
20020328	#DIV/0!	0.488	0.488	26.857	0	0.5	0
20020329	#DIV/0!	0.498	0.498	30.408	0	0.5	0
20020330	#DIV/0!	0.413	0.413	26.862	0	0.5	0
20020331	#DIV/0!	0.587	0.587	38.742	0	0.5	0
20020401	#DIV/0!	0.599	0.599	46.722	0	0.775	0
20020402	#DIV/0!	0.488	0.488	40.286	0	0.775	0
20020403	#DIV/0!	0.422	0.422	24.690	0	0.775	0
20020404	#DIV/0!	0.541	0.541	30.575	0	0.775	0
20020405	#DIV/0!	0.636	0.636	41.676	0	0.775	0
20020406	#DIV/0!	0.924	0.924	55.439	0	0.775	0
20020407	#DIV/0!	1.097	1.097	74.016	0	0.775	0
20020408	#DIV/0!	0.807	0.807	58.898	0	0.775	0
20020409	#DIV/0!	0.960	0.960	55.206	0	0.775	0
20020410	#DIV/0!	1.346	1.346	103.611	0	0.775	0
20020411	#DIV/0!	0.906	0.906	84.292	0	0.775	0
20020412	#DIV/0!	1.371	1.371	98.679	0	0.775	0
20020413	#DIV/0!	1.422	1.422	100.936	0	0.775	0
20020414	#DIV/0!	2.032	2.032	127.020	0	0.775	0
20020415	#DIV/0!	2.767	2.767	138.363	0	0.775	0
20020416	#DIV/0!	2.631	2.631	165.731	0	0.775	0
20020417	#DIV/0!	1.474	1.474	87.727	0	0.775	0
20020418	#DIV/0!	1.557	1.557	87.958	0	0.775	0
20020419	#DIV/0!	0.807	0.807	51.637	0	0.775	0
20020420	#DIV/0!	0.807	0.807	37.517	0	0.775	0
20020421	#DIV/0!	0.731	0.731	47.540	0	0.775	0
20020422	#DIV/0!	0.823	0.823	61.292	0	0.775	0
20020423	#DIV/0!	1.585	1.585	103.033	0	0.775	0
20020424	#DIV/0!	1.297	1.297	78.464	0	0.775	0
20020425	#DIV/0!	0.807	0.807	35.097	0	0.775	0
20020426	#DIV/0!	0.960	0.960	46.085	0	0.775	0
20020427	#DIV/0!	0.872	0.872	61.479	0	0.775	0
20020428	#DIV/0!	0.791	0.791	64.088	0	0.775	0
20020429	#DIV/0!	1.321	1.321	75.301	0	0.775	0
20020430	#DIV/0!	1.396	1.396	80.263	0	0.775	0

Appendix E

Daily Summary of Hourly Data for a Station
 From the Midwestern Regional Climate Center
 Station: (MSP) MINNEAPOLIS_INTL

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19910101	4.5		19920101	2.1	2.1	19930101	6.4	3.6
19910102	5.6	5.35	19920102	2.1	2.1	19930102	2	4.2
19910103	6.2	5.85	19920103	2.1	2.1	19930103	2	3.85
19910104	6.1	5.35	19920104	2.1	2.1	19930104	5.7	2.3
19910105	4.5	6.2	19920105	2.1	2.1	19930105	2.6	5.95
19910106	6.3	5.15	19920106	2.1	2.1	19930106	6.2	1.3
19910107	5.8	4.9	19920107	2.1	2.1	19930107		3.1
19910108	3.5	4.25	19920108	2.1	3.7	19930108		2.05
19910109	2.7	2.85	19920109	5.3	4.05	19930109	4.1	2.35
19910110	2.2	3	19920110	6	5.7	19930110	4.7	3.6
19910111	3.3	3.75	19920111	6.1	4.75	19930111	3.1	3.1
19910112	5.3	2.75	19920112	3.5	5.3	19930112	1.5	2.9
19910113	2.2	3.75	19920113	4.5	3.3	19930113	2.7	2.25
19910114	2.2	2.2	19920114	3.1	5.5	19930114	3	4.55
19910115	2.2	2.2	19920115	6.5	2.8	19930115	6.4	4.35
19910116	2.2	2.65	19920116	2.5	6.5	19930116	5.7	6.5
19910117	3.1	3.3	19920117	6.5	4.6	19930117	6.6	4.3
19910118	4.4	3.65	19920118	6.7	5.45	19930118	2.9	5.25
19910119	4.2	4.35	19920119	4.4	6.55	19930119	3.9	3.15
19910120	4.3	5.55	19920120	6.4	5.5	19930120	3.4	3.05
19910121	6.9	3.65	19920121	6.6	4.85	19930121	2.2	5.05
19910122	3	5.8	19920122	3.3	6.5	19930122	6.7	2.2
19910123	4.7	5.05	19920123	6.4	4.95	19930123	2.2	6.45
19910124	7.1	5.95	19920124	6.6	5.45	19930124	6.2	4.65
19910125	7.2	6.8	19920125	4.5	5.7	19930125	7.1	4.8
19910126	6.5	6.7	19920126	4.8	4.65	19930126	3.4	4.85
19910127	6.2	6.7	19920127	4.8	5.85	19930127	2.6	4.95
19910128	6.9	6.6	19920128	6.9	4.2	19930128	6.5	5.05
19910129	7	6.15	19920129	3.6	5.5	19930129	7.5	6.75
19910130	5.4	6.4	19920130	4.1	4.35	19930130	7	7.15
19910131	5.8	6.05	19920131	5.1	5.75	19930131	6.8	7.3
19910201	6.7	6.25	19920201	7.4	6.2	19930201	7.6	6.8
19910202	6.7	6.35	19920202	7.3	6.45	19930202	6.8	5.65
19910203	6	7.05	19920203	5.5	6.45	19930203	3.7	4
19910204	7.4	6.9	19920204	5.6	6.65	19930204	1.2	4.2
19910205	7.8	7.2	19920205	7.8	6	19930205	4.7	2
19910206	7	7.75	19920206	6.4	6.5	19930206	2.8	3.75
19910207	7.7	7.6	19920207	5.2	7.35	19930207	2.8	2.85
19910208	8.2	7.95	19920208	8.3	6.4	19930208	2.9	2.85
19910209	8.2	8.35	19920209	7.6	6.85	19930209	2.9	2.95
19910210	8.5	8.45	19920210	5.4	7.15	19930210	3	3.4
19910211	8.7	7.8	19920211	6.7	5.4	19930211	3.9	3.75
19910212	7.1	6.35	19920212	5.4	3.35	19930212	4.5	5.15
19910213	4	7.3	19920213		4.25	19930213	6.4	6.2
19910214	7.5	2	19920214	3.1	1.7	19930214	7.9	3.2
19910215		6.85	19920215	3.4	3.15	19930215		8.4
19910216	6.2	4.6	19920216	3.2	3.7	19930216	8.9	5
19910217	9.2	6.3	19920217	4	3.85	19930217	10	9.35
19910218	6.4	9.55	19920218	4.5	4.45	19930218	9.8	9.1
19910219	9.9	6.8	19920219	4.9	5.05	19930219	8.2	7.95
19910220	7.2	9.25	19920220	5.6	5.7	19930220	6.1	5.65
19910221	8.6	8.9	19920221	6.5	4.7	19930221	3.1	5.2
19910222	10.6	7	19920222	3.8	6.85	19930222	4.3	7.1
19910223	5.4	10.8	19920223	7.2	5.25	19930223	11.1	7.75
19910224	11	7.55	19920224	6.7	7.1	19930224	11.2	10.6
19910225	9.7	9.65	19920225	7	8	19930225	10.1	11.35
19910226	8.3	9.7	19920226	9.3	7.8	19930226	11.5	5.05
19910227	9.7	8.85	19920227	8.6	8	19930227		11.4
19910228	9.4	7.75	19920228	6.7	8.05	19930228	11.3	5.85
19910301	5.8	9.1	19920229	7.5	8.95	19930301	11.7	10.75
19910302	8.8	8.85	19920301	11.2	7	19930302	10.2	11.4
19910303	11.9	9.95	19920302	6.5	7.65	19930303	11.1	10.95
19910304	11.1	10	19920303	4.1	5.3	19930304	11.7	11.75
19910305	8.1	10.85	19920304	4.1	4.4	19930305	12.4	10.7
19910306	10.6	10.15	19920305	4.7	4.25	19930306	9.7	11.85
19910307	12.2	9.45	19920306	4.4	4.5	19930307	11.3	7.1
19910308	8.3	12.8	19920307	4.3	5	19930308	4.5	7.15
19910309	13.4	9.95	19920308	5.6	6.3	19930309	3	4.55
19910310	11.6	6.7	19920309	8.3	9.6	19930310	4.6	8.5
19910311		9.9	19920310	13.6	7.95	19930311	14	7.8
19910312	8.2	5	19920311	7.6	13.85	19930312	11	14.3
19910313	10	10.65	19920312	14.1	7.8	19930313	14.6	12.75
19910314	13.1	11.85	19920313	8	12.15	19930314	14.5	13.85
19910315	13.7	9.35	19920314	10.2	11.35	19930315	13.1	14.35
19910316	5.6	9.7	19920315	14.7	11.45	19930316	14.2	14.3
19910317	5.7	8.9	19920316	12.7	14.25	19930317	15.5	14.15

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19910318	12.2	10.4	19920317	13.8	13.45	19930318	14.1	10.4
19910319	15.1	10.9	19920318	14.2	14.4	19930319	5.3	9.75
19910320	9.6	10.2	19920319	15	15	19930320	5.4	6.8
19910321	5.3	4.8	19920320	15.8	10.85	19930321	8.3	5.55
19910322		6.9	19920321	6.7	15.75	19930322	5.7	10.9
19910323	8.5	8.2	19920322	15.7	11.2	19930323	13.5	6.1
19910324	16.4	10.35	19920323	15.7	15.9	19930324	6.5	9.5
19910325	12.2	15.25	19920324	16.1	15.8	19930325	5.5	11.6
19910326	14.1	9.35	19920325	15.9	16.5	19930326	16.7	9.15
19910327	6.5	14.05	19920326	16.9	16.3	19930327	12.8	16.65
19910328	14	12.1	19920327	16.7	12.45	19930328	16.6	14.55
19910329	17.7	13.1	19920328	8	12.2	19930329	16.3	11.6
19910330	12.2	16.75	19920329	7.7	12.15	19930330	6.6	10.55
19910331	15.8	14.9	19920330	16.3	9.2	19930331	4.8	12.5
19910401	17.6	16.2	19920331	10.7	16.95	19930401	18.4	11.8
19910402	16.6	16.55	19920401	17.6	14.55	19930402	18.8	18.65
19910403	15.5	16.2	19920402	18.4	16.6	19930403	18.9	18.9
19910404	15.8	15.8	19920403	15.6	18.5	19930404	19	18.7
19910405	16.1	16.1	19920404	18.6	7.8	19930405	18.5	17.45
19910406	16.4	8.05	19920405		16.85	19930406	15.9	12.5
19910407		12	19920406	15.1	9.25	19930407	6.5	11.5
19910408	7.6	4.05	19920407	18.5	13.05	19930408	7.1	3.25
19910409	8.1	13.85	19920408	11	17.5	19930409		9.9
19910410	20.1	9.2	19920409	16.5	9.45	19930410	12.7	3.2
19910411	10.3	13.9	19920410	7.9	16	19930411	6.4	10.2
19910412	7.7	10.4	19920411	15.5	12.4	19930412	7.7	8.55
19910413	10.5	8	19920412	16.9	12.75	19930413	10.7	7.35
19910414	8.3	11.1	19920413	10	14.7	19930414	7	9.6
19910415	11.7	12.45	19920414	12.5	8.7	19930415	8.5	13.45
19910416	16.6	16.45	19920415	7.4	11.05	19930416	19.9	14.25
19910417	21.2	15.7	19920416	9.6	7.8	19930417	20	17.9
19910418	14.8	19.25	19920417	8.2	8.45	19930418	15.9	14.1
19910419	17.3	18.25	19920418	7.3	11.95	19930419	8.2	18.45
19910420	21.7	19.85	19920419	15.7	9.3	19930420	21	15.2
19910421	22.4	18	19920420	11.3	16.5	19930421	22.2	21.2
19910422	14.3	20.75	19920421	17.3	9.95	19930422	21.4	11.1
19910423	19.1	18	19920422	8.6	12.55	19930423		14.5
19910424	21.7	19.5	19920423	7.8	11.7	19930424	7.6	11.2
19910425	19.9	18.7	19920424	14.8	12	19930425	22.4	14.25
19910426	15.7	19.4	19920425	16.2	13.5	19930426	20.9	17.75
19910427	18.9	18.75	19920426	12.2	19.85	19930427	13.1	20.95
19910428	21.8	18.55	19920427	23.5	16.2	19930428	21	16.85
19910429	18.2	10.9	19920428	20.2	22.85	19930429	20.6	18.95
19910430		9.1	19920429	22.2	20.9	19930430	16.9	15.3
19911101		3.3	19920430	21.6	13.45	19931101	10	14.25
19911102	6.6	5.7	19921101	4.7	12.05	19931102	11.6	9.8
19911103	11.4	8.4	19921102	2.5	2.35	19931103	9.6	8.4
19911104	10.2	7.9	19921103		1.25	19931104	5.2	7
19911105	4.4	11.25	19921104		2.05	19931105	4.4	5.15
19911106	12.3	8.55	19921105	4.1	2.1	19931106	5.1	5.4
19911107	12.7	12.3	19921106	4.2	2.05	19931107	6.4	4.95
19911108	12.3	10.55	19921107		2.1	19931108	4.8	5.65
19911109	8.4	8.4	19921108		2.55	19931109	4.9	7.85
19911110	4.5	6.2	19921109	5.1	2.05	19931110	10.9	4.45
19911111	4	4.55	19921110	4.1	8.25	19931111	4	8.95
19911112	4.6	6.5	19921111	11.4	7.05	19931112	7	3.9
19911113	9	6.75	19921112	10	7.75	19931113	3.8	6.35
19911114	8.9	8.9	19921113	4.1	8.2	19931114	5.7	7.3
19911115	8.8	8.25	19921114	6.4	7.4	19931115	10.8	4.65
19911116	7.6	6.35	19921115	10.7	5.25	19931116	3.6	10.55
19911117	3.9	7.05	19921116	4.1	7.2	19931117	10.3	1.8
19911118	6.5	5.75	19921117	3.7	3.95	19931118		10.05
19911119	7.6	8.15	19921118	3.8	4.05	19931119	9.8	0
19911120	9.8	7	19921119	4.4	3.6	19931120		4.9
19911121	6.4	6.55	19921120	3.4	3.9	19931121		1.85
19911122	3.3	4.85	19921121	3.4	3.4	19931122	3.7	1.65
19911123	3.3	6.4	19921122	3.4	3.35	19931123	3.3	3.5
19911124	9.5	6.2	19921123	3.3	3.3	19931124	3.3	3.1
19911125	9.1	7.95	19921124	3.2	3.15	19931125	2.9	5.25
19911126	6.4	9.05	19921125	3	5.15	19931126	7.2	3.45
19911127	9	6	19921126	7.1	1.5	19931127	4	3.6
19911128	5.6	6.2	19921127		3.55	19931128		4.9
19911129	3.4	6.95	19921128		1.7	19931129	5.8	3.25
19911130	8.3	5.9	19921129	3.4	1.7	19931130	6.5	4.25
19911201	8.4	6.8	19921130	3.4	3.75	19931201	-2.7	5
19911202	5.3	7.45	19921201	4.1	3.15	19931202	3.5	2.75
19911203	6.5	5.2	19921202	2.9	3.55	19931203	2.8	3.1
19911204	5.1	6.5	19921203	3	4.6	19931204	2.7	2.75
19911205	6.5	5.05	19921204	6.3	1.5	19931205	2.7	5.3
19911206	5	6.3	19921205		4.45	19931206	7.9	1.35
19911207	6.1	4.65	19921206	2.6	1.7	19931207		6.15
19911208	4.3	5.55	19921207	3.4	2.6	19931208	4.4	3
19911209	5	5.35	19921208	2.6	2.9	19931209	6	5.6
19911210	6.4	6.1	19921209	2.4	3.2	19931210	6.8	6.6

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19911211	7.2	4.75
19911212	3.1	5.4
19911213	3.6	5
19911214	6.9	5.4
19911215	7.2	6.55
19911216	6.2	6.6
19911217	6	6.55
19911218	6.9	5.2
19911219	4.4	4.7
19911220	2.5	5.4
19911221	6.4	4.45
19911222	6.4	3.2
19911223		6.35
19911224	6.3	3
19911225	6	4.2
19911226	2.1	4.05
19911227	2.1	2.65
19911228	3.2	2.7
19911229	3.3	1.6
19911230		2.7
19911231	2.1	1.05

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19921210	3.8	2.45
19921211	2.5	4
19921212	4.2	2.5
19921213	2.5	3.15
19921214	2.1	2.35
19921215	2.2	2.2
19921216	2.3	3.65
19921217	5.1	2.25
19921218	2.2	5.9
19921219	6.7	4.35
19921220	6.5	6.45
19921221	6.2	4.8
19921222	3.1	6.1
19921223	6	2.85
19921224	2.6	5.95
19921225	5.9	3.25
19921226	3.9	5.15
19921227	4.4	3
19921228	2.1	3.25
19921229	2.1	2.1
19921230	2.1	3.65
19921231	5.2	4.25

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19931211	7.2	3.4
19931212		5.4
19931213	3.6	1.15
19931214	2.3	5.15
19931215	6.7	3.35
19931216	4.4	4.5
19931217	2.3	3.2
19931218	2	2.3
19931219	2.3	2.2
19931220	2.4	2.35
19931221	2.4	3.1
19931222	3.8	2.8
19931223	3.2	4.25
19931224	4.7	4.75
19931225	6.3	5.1
19931226	5.5	6.4
19931227	6.5	5.25
19931228	5	6.45
19931229	6.4	3.45
19931230	1.9	4.45
19931231	2.5	2.3

yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19940101	2.7	2.45	19950101	2.7	4.05	19960101	2	3.85
19940102	2.4	3.6	19950102	2.4	3.6	19960102	5.5	3.9
19940103	4.5	2.25	19950103	4.5	3.3	19960103	5.8	5.75
19940104	2.1	3.05	19950104	4.2	3.4	19960104	6	5.35
19940105	1.6	2.25	19950105	2.3	3.15	19960105	4.9	6.1
19940106	2.4	3.6	19950106	2.1	4.25	19960106	6.2	5.55
19940107	5.6	3.2	19950107	6.2	3.3	19960107	6.2	5
19940108	4	5.35	19950108	4.5	4.1	19960108	3.8	5.65
19940109	5.1	3.25	19950109	2	3.55	19960109	5.1	2.95
19940110	2.5	4.05	19950110	2.6	1.4	19960110	2.1	3.6
19940111	3	3.35	19950111	0.8	1.3	19960111	2.1	3.3
19940112	4.2	4.35	19950112		2.65	19960112	4.5	3.95
19940113	5.7	5.35	19950113	4.5	1.85	19960113	5.8	3.95
19940114	6.5	6.2	19950114	3.7	4	19960114	3.4	4.65
19940115	6.7	4.4	19950115	3.5	1.85	19960115	3.5	2.75
19940116	2.3	6.7	19950116		2.75	19960116	2.1	2.85
19940117	6.7	4.5	19950117	2	3.25	19960117	2.2	2.4
19940118	6.7	6.45	19950118	6.5	4	19960118	2.7	4.45
19940119	6.2	6.6	19950119	6	6.4	19960119	6.7	1.35
19940120	6.5	6.35	19950120	6.3	5.3	19960120		5.1
19940121	6.5	6.15	19950121	4.6	4.55	19960121	3.5	2.25
19940122	5.8	6.6	19950122	2.8	5.75	19960122	4.5	3.85
19940123	6.7	6.35	19950123	6.9	3.6	19960123	4.2	5.75
19940124	6.9	4.3	19950124	4.4	5.1	19960124	7	2.1
19940125	1.9	5.05	19950125	3.3	4.7	19960125		5.1
19940126	3.2	2.2	19950126	5	4.6	19960126	3.2	3.2
19940127	2.5	2.9	19950127	5.9	3.9	19960127	6.4	3.05
19940128	2.6	4.5	19950128	2.8	4.2	19960128	2.9	6.9
19940129	6.5	5.05	19950129	2.5	4.1	19960129	7.4	5.25
19940130	7.5	5.75	19950130	5.4	4.05	19960130	7.6	7.2
19940131	5	6.2	19950131	5.6	4	19960131	7	7.7
19940201	4.9	4.75	19950201	2.6	6.55	19960201	7.8	7.5
19940202	4.5	6.35	19950202	7.5	3.55	19960202	8	7.1
19940203	7.8	6.35	19950203	4.5	7.35	19960203	6.4	7.9
19940204	8.2	7.4	19950204	7.2	6.25	19960204	7.8	7.25
19940205	7	8.15	19950205	8	5.7	19960205	8.1	3.9
19940206	8.1	5.6	19950206	4.2	6.75	19960206		7.85
19940207	4.2	5.5	19950207	5.5	5.35	19960207	7.6	4
19940208	2.9	6.5	19950208	6.5	4.55	19960208	8	6.05
19940209	8.8	3.2	19950209	3.6	6.3	19960209	4.5	5.35
19940210	3.5	4.4	19950210	6.1	1.8	19960210	2.7	3.8
19940211		1.75	19950211		7.6	19960211	3.1	5.05
19940212		0	19950212	9.1	4.55	19960212	7.4	4.9
19940213		4.55	19950213	9.1	6.55	19960213	6.7	5.9
19940214	9.1	4.7	19950214	4	7.55	19960214	4.4	6.45
19940215	9.4	8.75	19950215	6	4.95	19960215	6.2	6.1
19940216	8.4	9.4	19950216	5.9	7.4	19960216	7.8	7.8
19940217	9.4	7.15	19950217	8.8	5.35	19960217	9.4	6.5
19940218	5.9	6.4	19950218	4.8	8.35	19960218	5.2	4.7
19940219	3.4	7.95	19950219	7.9	5.85	19960219		7.5
19940220	10	6.9	19950220	6.9	6.8	19960220	9.8	4
19940221	10.4	8.2	19950221	5.7	5.8	19960221	8	6.6
19940222	6.4	6.5	19950222	4.7	7.55	19960222	3.4	6
19940223	2.6	8.65	19950223	9.4	5.1	19960223	4	7
19940224	10.9	2.8	19950224	5.5	6.7	19960224	10.6	2
19940225	3	10.95	19950225	4	4.7	19960225		7.25
19940226	11	3.9	19950226	3.9	5.9	19960226	3.9	1.8
19940227	4.8	8.1	19950227	7.8	7.85	19960227	3.6	7.25
19940228	5.2	7.95	19950228	11.8	9.95	19960228	10.6	7.65
19940301	11.1	7.95	19950301	12.1	12	19960229	11.7	9.85
19940302	10.7	11.3	19950302	12.2	12.2	19960301	9.1	11.45
19940303	11.5	11.45	19950303	12.3	8.75	19960302	11.2	10.7
19940304	12.2	9.35	19950304	5.3	8.25	19960303	12.3	9.2
19940305	7.2	9	19950305	4.2	7.85	19960304	7.2	10.45
19940306	5.8	9.5	19950306	10.4	7.6	19960305	8.6	8.55
19940307	11.8	9.55	19950307	11	11.9	19960306	9.9	10.8
19940308	13.3	12.65	19950308	13.4	9.2	19960307	13	10.6
19940309	13.5	13.15	19950309	7.4	12.7	19960308	11.3	13.25
19940310	13	12.35	19950310	12	10.2	19960309	13.5	10.4
19940311	11.2	13.1	19950311	13	8.35	19960310	9.5	10.75
19940312	13.2	11.95	19950312	4.7	9.05	19960311	8	9.85
19940313	12.7	11.8	19950313	5.1	5.2	19960312	10.2	10.9
19940314	10.4	13.6	19950314	5.7	8.95	19960313	13.8	11.9
19940315	14.5	12.1	19950315	12.8	7.25	19960314	13.6	14.15
19940316	13.8	11.6	19950316	8.8	12.65	19960315	14.5	13
19940317	8.7	10.3	19950317	12.5	8.4	19960316	12.4	12.2
19940318	6.8	8.95	19950318	8	8.9	19960317	9.9	11.35
19940319	9.2	6.9	19950319	5.3	6.65	19960318	10.3	7.95
19940320	7	12.45	19950320	5.3	9.1	19960319	6	12.85
19940321	15.7	11.1	19950321	12.9	7.7	19960320	15.4	9.4
19940322	15.2	11.35	19950322	10.1	11.2	19960321	12.8	15.8
19940323	7	10.7	19950323	9.5	12.95	19960322	16.2	10.5
19940324	6.2	10.95	19950324	15.8	8.3	19960323	8.2	10.8
19940325	14.9	5.85	19950325	7.1	10.95	19960324	5.4	11.4

yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19940326	5.5	11.5	19950326	6.1	6.3	19960325	14.6	11.25
19940327	8.1	7.9	19950327	5.5	6.4	19960326	17.1	15.4
19940328	10.3	8.95	19950328	6.7	6.15	19960327	16.2	16.85
19940329	9.8	13.85	19950329	6.8	8.5	19960328	16.6	15.6
19940330	17.4	13.8	19950330	10.3	6.8	19960329	15	11.5
19940331	17.8	17.65	19950331	6.8	9.35	19960330	6.4	16.55
19940401	17.9	8.9	19950401	8.4	9.85	19960331	18.1	8.75
19940402		8.95	19950402	12.9	10.8	19960401	11.1	16
19940403		3.4	19950403	13.2	16.1	19960402	13.9	8.75
19940404	6.8	9.35	19950404	19.3	12.25	19960403	6.4	11.85
19940405	18.7	12.6	19950405	11.3	18.55	19960404	9.8	11.75
19940406	18.4	15.05	19950406	17.8	10	19960405	17.1	11.8
19940407	11.4	12.95	19950407	8.7	13.75	19960406	13.8	14.85
19940408	7.5	11.35	19950408	9.7	10.2	19960407	12.6	16.65
19940409	11.3	13.55	19950409	11.7	9.4	19960408	19.5	16.2
19940410	19.6	15.3	19950410	9.1	9.15	19960409	19.8	19.8
19940411	19.3	13.6	19950411	6.6	7.85	19960410	18.5	17.3
19940412	7.6	18.7	19950412	6.6	13.35	19960411	14.8	12.75
19940413	18.1	11.9	19950413	20.1	12.7	19960412	7	11.5
19940414	16.2	12.9	19950414	18.8	14.7	19960413	8.2	7.15
19940415	7.7	18.5	19950415	9.3	12.4	19960414	7.3	12
19940416	20.8	14.45	19950416	6	8.3	19960415	15.8	14.4
19940417	21.2	20.55	19950417	7.3	6.45	19960416	21.5	18.5
19940418	20.3	21.7	19950418	6.9	14.3	19960417	21.2	15.8
19940419	22.2	15.85	19950419	21.3	8.2	19960418	10.1	20.35
19940420	11.4	21.9	19950420	9.5	15.4	19960419	19.5	11.25
19940421	21.6	17.05	19950421	9.5	16.05	19960420	12.4	16.65
19940422	22.7	20.45	19950422	22.6	15.15	19960421	13.8	11.85
19940423	19.3	16.1	19950423	20.8	19.35	19960422	11.3	18.2
19940424	9.5	13.45	19950424	16.1	17.85	19960423	22.6	13.4
19940425	7.6	10	19950425	14.9	15.2	19960424	15.5	18.55
19940426	10.5	8	19950426	14.3	14.15	19960425	14.5	18.7
19940427	8.4	5.25	19950427	13.4	17.75	19960426	21.9	15.45
19940428		9.85	19950428	21.2	11.55	19960427	16.4	21
19940429	11.3	5.95	19950429	9.7	20	19960428	20.1	14.3
19940430	11.9	10.85	19950430	18.8	7.05	19960429	12.2	21.4
19941101	10.4	9.75	19951101	4.4	11.7	19960430	22.7	10.5
19941102	7.6	7.4	19951102	4.6	4.5	19961101	8.8	14.85
19941103	4.4	6.85	19951103	4.6	8.9	19961102	7	11
19941104	6.1	4.35	19951104	13.2	4.55	19961103	13.2	5.15
19941105	4.3	9.15	19951105	4.5	10.7	19961104	3.3	8.75
19941106	12.2	7.3	19951106	8.2	2.25	19961105	4.3	3.8
19941107	10.3	9.1	19951107		8.85	19961106	4.3	7.4
19941108	6	10.65	19951108	9.5	4.55	19961107	10.5	4.35
19941109	11	7.6	19951109	9.1	8.65	19961108	4.4	7.25
19941110	9.2	8.05	19951110	7.8	10.35	19961109	4	4.1
19941111	5.1	6.5	19951111	11.6	6.45	19961110	3.8	4.65
19941112	3.8	4.4	19951112	5.1	9.6	19961111	5.3	5.8
19941113	3.7	6.05	19951113	7.6	4.35	19961112	7.8	7.55
19941114	8.3	7.15	19951114	3.6	5.8	19961113	9.8	3.9
19941115	10.6	8.2	19951115	4	5.85	19961114		6.35
19941116	8.1	8.35	19951116	8.1	4.3	19961115	2.9	1.25
19941117	6.1	5.8	19951117	4.6	5.9	19961116	2.5	2.8
19941118	3.5	6.95	19951118	3.7	5.55	19961117	2.7	3.15
19941119	7.8	3.6	19951119	6.5	3.75	19961118	3.8	3.2
19941120	3.7	6	19951120	3.8	8.25	19961119	3.7	5.45
19941121	4.2	6.75	19951121	10	6.55	19961120	7.1	3.35
19941122	9.8	6.65	19951122	9.3	9.3	19961121	3	5.2
19941123	9.1	9.4	19951123	8.6	6.75	19961122	3.3	3.35
19941124	9	8.95	19951124	4.2	8.1	19961123	3.7	5.05
19941125	8.8	6.55	19951125	7.6	2.1	19961124	6.8	6.1
19941126	4.1	7.2	19951126		3.8	19961125	8.5	7.9
19941127	5.6	4	19951127		2.65	19961126	9	6.35
19941128	3.9	6.5	19951128	5.3	1.7	19961127	4.2	7.4
19941129	7.4	6.25	19951129	3.4	5.3	19961128	5.8	3.65
19941130	8.6	6.35	19951130	5.3	5.95	19961129	3.1	4.4
19941201	5.3	8.1	19951201	8.5	4.9	19961130	3	2.3
19941202	7.6	3.9	19951202	4.5	7.95	19961201	1.5	4.2
19941203	2.5	4.95	19951203	7.4	3.95	19961202	5.4	2.75
19941204	2.3	3.8	19951204	3.4	7.7	19961203	4	4.2
19941205	5.1	4.05	19951205	8	5.6	19961204	3	3.2
19941206	5.8	4.65	19951206	7.8	7.9	19961205	2.4	3.6
19941207	4.2	4.6	19951207	7.8	4.4	19961206	4.2	3.6
19941208	3.4	4.7	19951208	1	6.05	19961207	4.8	3.4
19941209	5.2	3.6	19951209	4.3	4.15	19961208	2.6	4.05
19941210	3.8	6.1	19951210	7.3	3.7	19961209	3.3	2.6
19941211	7	5.35	19951211	3.1	5.25	19961210	2.6	2.6
19941212	6.9	3.5	19951212	3.2	3.1	19961211	1.9	3.05
19941213		4.6	19951213	3.1	5	19961212	3.5	2.1
19941214	2.3	1.15	19951214	6.8	4.9	19961213	2.3	2.9
19941215	2.3	2.3	19951215	6.7	6.65	19961214	2.3	2.55
19941216	2.3	2.5	19951216	6.5	5.5	19961215	2.8	2.05
19941217	2.7	4.55	19951217	4.3	5.1	19961216	1.8	3.8
19941218	6.8	3.95	19951218	3.7	3.75	19961217	4.8	1.5

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19941219	5.2	6.4
19941220	6	4.45
19941221	3.7	5.3
19941222	4.6	4.95
19941223	6.2	5.45
19941224	6.3	5.3
19941225	4.4	5.6
19941226	4.9	4.7
19941227	5	5.05
19941228	5.2	3.85
19941229	2.7	3.5
19941230	1.8	4.2
19941231	5.7	2.25

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19951219	3.2	4.9
19951220	6.1	4.05
19951221	4.9	4.15
19951222	2.2	3.6
19951223	2.3	2.45
19951224	2.7	4.15
19951225	6	2.4
19951226	2.1	5.75
19951227	5.5	3.75
19951228	5.4	3.8
19951229	2.1	3.75
19951230	2.1	2.15
19951231	2.2	2.05

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19961218	1.2	4.85
19961219	4.9	1.6
19961220	2	3.55
19961221	2.2	2.05
19961222	2.1	3.7
19961223	5.2	3.7
19961224	5.3	5
19961225	4.8	5.85
19961226	6.4	3.5
19961227	2.2	4.8
19961228	3.2	2.35
19961229	2.5	2.8
19961230	2.4	2.3
19961231	2.1	3.2

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19970101	4	2.2	19980101		1.35	19990101		1.85
19970102	2.3	2.9	19980102	2.7	1.4	19990102	2.1	0.85
19970103	1.8	1.75	19980103	2.8	2.4	19990103	1.7	3.95
19970104	1.2	1.6	19980104	2.1	2.45	19990104	5.8	1.65
19970105	1.4	3.7	19980105	2.1	1.95	19990105	1.6	6.05
19970106	6.2	3.1	19980106	1.8	2.1	19990106	6.3	3.15
19970107	4.8	4.6	19980107	2.1	3	19990107	4.7	3.8
19970108	3	3.25	19980108	4.2	2.1	19990108	1.3	4.75
19970109	1.7	3.2	19980109	2.1	4.65	19990109	4.8	3.3
19970110	3.4	2.8	19980110	5.1	2.05	19990110	5.3	3.25
19970111	3.9	3.45	19980111	2	4.05	19990111	1.7	4.45
19970112	3.5	5.2	19980112	3	3.5	19990112	3.6	2.45
19970113	6.5	2.7	19980113	5	2.2	19990113	3.2	2.45
19970114	1.9	3.85	19980114	1.4	4.15	19990114	1.3	3.15
19970115	1.2	4.3	19980115	3.3	1.25	19990115	3.1	0.65
19970116	6.7	4	19980116	1.1	2.75	19990116		1.55
19970117	6.8	4.55	19980117	2.2	1.65	19990117		1.3
19970118	2.4	5.65	19980118	2.2	4.15	19990118	2.6	1.75
19970119	4.5	3.5	19980119	6.1	2.85	19990119	3.5	2.7
19970120	4.6	3.4	19980120	3.5	3.6	19990120	2.8	2.9
19970121	2.3	3.1	19980121	1.1	2.7	19990121	2.3	2.15
19970122	1.6	2.55	19980122	1.9	1.55	19990122	1.5	1.95
19970123	2.8	3.25	19980123	2	2.6	19990123	1.6	1.7
19970124	4.9	4.35	19980124	3.3	2.2	19990124	1.9	4.3
19970125	5.9	3.5	19980125	2.4	2.85	19990125	7	2.1
19970126	2.1	6.4	19980126	2.4	2.85	19990126	2.3	4.6
19970127	6.9	3.9	19980127	3.3	2.05	19990127	2.2	2.7
19970128	5.7	5.65	19980128	1.7	2.9	19990128	3.1	4.4
19970129	4.4	5.65	19980129	2.5	2.4	19990129	6.6	4.85
19970130	5.6	3.5	19980130	3.1	3.6	19990130	6.6	6.15
19970131	2.6	4.1	19980131	4.7	2.85	19990131	5.7	4.6
19970201	2.6	4.55	19980201	2.6	3.8	19990201	2.6	5.95
19970202	6.5	3.35	19980202	2.9	3.75	19990202	6.2	2.7
19970203	4.1	4.25	19980203	4.9	2.9	19990203	2.8	6.85
19970204	2	3.45	19980204	2.9	5	19990204	7.5	3
19970205	2.8	3.6	19980205	5.1	3.85	19990205	3.2	7.85
19970206	5.2	2.85	19980206	4.8	5.45	19990206	8.2	2.95
19970207	2.9	6.65	19980207	5.8	5.2	19990207	2.7	6.35
19970208	8.1	5.45	19980208	5.6	5.5	19990208	4.5	5.15
19970209	8	5.35	19980209	5.2	2.8	19990209	7.6	3.7
19970210	2.6	5.1	19980210		4.05	19990210	2.9	4.85
19970211	2.2	5.9	19980211	2.9	1.8	19990211	2.1	2.2
19970212	9.2	2.95	19980212	3.6	2.7	19990212	1.5	1.05
19970213	3.7	7.9	19980213	2.5	3.35	19990213		0.75
19970214	6.6	4.5	19980214	3.1	3.4	19990214		0
19970215	5.3	7.15	19980215	4.3	3.05	19990215		0.95
19970216	7.7	5.3	19980216	3	3.8	19990216	1.9	1.7
19970217	5.3	7.15	19980217	3.3	2.95	19990217	3.4	3.6
19970218	6.6	7.2	19980218	2.9	3.25	19990218	5.3	5.1
19970219	9.1	6.2	19980219	3.2	3	19990219	6.8	5.85
19970220	5.8	6.25	19980220	3.1	2.85	19990220	6.4	8.65
19970221	3.4	2.9	19980221	2.5	3.1	19990221	10.5	5.6
19970222		7.2	19980222	3.1	2.8	19990222	4.8	7.85
19970223	11	5.4	19980223	3.1	5.2	19990223	5.2	4.15
19970224	10.8	10.7	19980224	7.3	3.1	19990224	3.5	6.65
19970225	10.4	9.45	19980225	3.1	5.35	19990225	8.1	3.8
19970226	8.1	6.9	19980226	3.4	3.3	19990226	4.1	5.55
19970227	3.4	6.05	19980227	3.5	2.9	19990227	3	4.7
19970228	4	3.55	19980228	2.4	2.65	19990228	5.3	4.75
19970301	3.7	7.5	19980301	1.8	2.9	19990301	6.5	5.65
19970302	11	3.75	19980302	3.4	1.9	19990302	6	9.3
19970303	3.8	6.65	19980303	2	3.2	19990303	12.1	5.1
19970304	2.3	6.5	19980304	3	2.5	19990304	4.2	7.6
19970305	9.2	7.65	19980305	3	3.6	19990305	3.1	7.6
19970306	13	7.55	19980306	4.2	4.7	19990306	11	6.3
19970307	5.9	12.05	19980307	6.4	2.1	19990307	9.5	5.5
19970308	11.1	9.35	19980308		8.75	19990308		5.95
19970309	12.8	9.15	19980309	11.1	6.3	19990309	2.4	5.1
19970310	7.2	12.05	19980310	12.6	12.65	19990310	10.2	7.95
19970311	11.3	6.85	19980311	14.2	10.3	19990311	13.5	11.2
19970312	6.5	7.25	19980312	8	9.05	19990312	12.2	11.3
19970313	3.2	6.95	19980313	3.9	7.75	19990313	9.1	12.45
19970314	7.4	9.1	19980314	7.5	3.2	19990314	12.7	10.6
19970315	15	8.15	19980315	2.5	6.95	19990315	12.1	11.3
19970316	8.9	11.45	19980316	6.4	4.2	19990316	9.9	8.35
19970317	7.9	7.7	19980317	5.9	4.25	19990317	4.6	12.35
19970318	6.5	8.1	19980318	2.1	6.6	19990318	14.8	9.9
19970319	8.3	6.55	19980319	7.3	7.95	19990319	15.2	13.25
19970320	6.6	7.35	19980320	13.8	7.25	19990320	11.7	15.4
19970321	6.4	8.05	19980321	7.2	9.95	19990321	15.6	11.7
19970322	9.5	9.55	19980322	6.1	6.3	19990322	11.7	15.05
19970323	12.7	6.75	19980323	5.4	7.05	19990323	14.5	14.15
19970324	4	8.75	19980324	8	7.35	19990324	16.6	15.55
19970325	4.8	10.35	19980325	9.3	7.45	19990325	16.6	16.7

yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19970326	16.7	10.35	19980326	6.9	6.9	19990326	16.8	13.1
19970327	15.9	11.3	19980327	4.5	5.75	19990327	9.6	10.75
19970328	5.9	11.65	19980328	4.6	2.25	19990328	4.7	13.35
19970329	7.4	6	19980329		5.05	19990329	17.1	8.3
19970330	6.1	12.4	19980330	5.5	0	19990330	11.9	11.15
19970331	17.4	9.45	19980331		5.5	19990331	5.2	8.15
19970401	12.8	11.45	19980401	5.5	2.9	19990401	4.4	5.7
19970402	5.5	15.3	19980402	5.8	6.75	19990402	6.2	5.3
19970403	17.8	5	19980403	8	11.3	19990403	6.2	11.65
19970404	4.5	12.05	19980404	16.8	9.55	19990404	17.1	5.45
19970405	6.3	3.05	19980405	11.1	13.4	19990405	4.7	14.3
19970406	1.6	5.9	19980406	10	8.3	19990406	11.5	10.45
19970407	5.5	4.9	19980407	5.5	8.2	19990407	16.2	10.15
19970408	8.2	12.1	19980408	6.4	8.4	19990408	8.8	14.2
19970409	18.7	6.8	19980409	11.3	12.2	19990409	12.2	7.3
19970410	5.4	16.1	19980410	18	14.7	19990410	5.8	9.5
19970411	13.5	8.45	19980411	18.1	13.1	19990411	6.8	12.75
19970412	11.5	16.45	19980412	8.2	11.95	19990412	19.7	7.5
19970413	19.4	15.75	19980413	5.8	11.8	19990413	8.2	13.6
19970414	20	13.9	19980414	15.4	7.4	19990414	7.5	6.2
19970415	8.4	12.9	19980415	9	16.65	19990415	4.2	8.4
19970416	5.8	12.2	19980416	17.9	12.4	19990416	9.3	6.8
19970417	16	6.2	19980417	15.8	12.95	19990417	9.4	9.15
19970418	6.6	14.85	19980418	8	11.25	19990418	9	9.05
19970419	13.7	7.85	19980419	6.7	6.35	19990419	8.7	7.45
19970420	9.1	14.05	19980420	4.7	12.35	19990420	5.9	7.05
19970421	14.4	13.8	19980421	18	13.55	19990421	5.4	5.4
19970422	18.5	11.2	19980422	22.4	19.35	19990422	4.9	11.4
19970423	8	14.2	19980423	20.7	20.55	19990423	17.4	11.35
19970424	9.9	11.1	19980424	18.7	14.95	19990424	17.8	18.75
19970425	14.2	9.45	19980425	9.2	16.3	19990425	20.1	14.9
19970426	9	11.7	19980426	13.9	15.3	19990426	12	13.3
19970427	9.2	13.4	19980427	21.4	16.95	19990427	6.5	16.15
19970428	17.8	10.95	19980428	20	10.7	19990428	20.3	14.15
19970429	12.7	13.1	19980429		21.9	19990429	21.8	22.1
19970430	8.4	7.3	19980430	23.8	4.55	19990430	23.9	15.1
19971101	1.9	5.5	19981101	9.1	15.6	19991101	8.4	18.55
19971102	2.6	2.75	19981102	7.4	9.3	19991102	13.2	10.6
19971103	3.6	3.5	19981103	9.5	7.2	19991103	12.8	9.2
19971104	4.4	3.05	19981104	7	7.4	19991104	5.2	11.7
19971105	2.5	5.3	19981105	5.3	5.7	19991105	10.6	8.25
19971106	6.2	3.35	19981106	4.4	2.65	19991106	11.3	11
19971107	4.2	5.15	19981107		4.1	19991107	11.4	10.15
19971108	4.1	3.6	19981108	3.8	2.05	19991108	9	11
19971109	3	4.25	19981109	4.1	3.4	19991109	10.6	6.4
19971110	4.4	3.7	19981110	3	7.75	19991110	3.8	7.25
19971111	4.4	7.1	19981111	11.4	1.5	19991111	3.9	5.5
19971112	9.8	3.35	19981112		9.3	19991112	7.2	6.75
19971113	2.3	6.1	19981113	7.2	1.8	19991113	9.6	8.5
19971114	2.4	2.65	19981114	3.6	6.05	19991114	9.8	7.45
19971115	3	6.5	19981115	4.9	3.6	19991115	5.3	9.3
19971116	10.6	6.25	19981116	3.6	4.15	19991116	8.8	7.45
19971117	9.5	6.75	19981117	3.4	3.35	19991117	9.6	8.9
19971118	2.9	6.5	19981118	3.1	3.5	19991118	9	6.55
19971119	3.5	3.2	19981119	3.6	3.5	19991119	3.5	7.75
19971120	3.5	5	19981120	3.9	5.2	19991120	6.5	4.3
19971121	6.5	4.95	19981121	6.8	3.85	19991121	5.1	6.95
19971122	6.4	4.85	19981122	3.8	8.05	19991122	7.4	3.95
19971123	3.2	5.35	19981123	9.3	4.2	19991123	2.8	7.75
19971124	4.3	3.6	19981124	4.6	9.1	19991124	8.1	4.15
19971125	4	6.4	19981125	8.9	5.95	19991125	5.5	6.4
19971126	8.5	3.95	19981126	7.3	7.2	19991126	4.7	6.85
19971127	3.9	8	19981127	5.5	6.2	19991127	8.2	5.7
19971128	7.5	5.1	19981128	5.1	4.1	19991128	6.7	8.35
19971129	6.3	5.7	19981129	2.7	4	19991129	8.5	5.4
19971130	3.9	4.6	19981130	2.9	5.05	19991130	4.1	6.85
19971201	2.9	3.3	19981201	7.4	4.55	19991201	5.2	3.6
19971202	2.7	2.45	19981202	6.2	7.5	19991202	3.1	6.5
19971203	2	2.85	19981203	7.6	4.8	19991203	7.8	2.95
19971204	3	2.3	19981204	3.4	5.05	19991204	2.8	7.6
19971205	2.6	3.15	19981205	2.5	3.85	19991205	7.4	4.6
19971206	3.3	2.6	19981206	4.3	4.75	19991206	6.4	6
19971207	2.6	2.95	19981207	7	5.85	19991207	4.6	3.2
19971208	2.6	2.5	19981208	7.4	4.6	19991208		5
19971209	2.4	2.65	19981209	2.2	7.4	19991209	5.4	2.45
19971210	2.7	2.15	19981210	7.4	4.45	19991210	4.9	4.65
19971211	1.9	3.35	19981211	6.7	7	19991211	3.9	4.85
19971212	4	0.95	19981212	6.6	5.65	19991212	4.8	5.4
19971213		4.35	19981213	4.6	5.9	19991213	6.9	3.55
19971214	4.7	2.7	19981214	5.2	4.6	19991214	2.3	4.6
19971215	5.4	5.45	19981215	4.6	3.3	19991215	2.3	3.8
19971216	6.2	4.55	19981216	1.4	3.45	19991216	5.3	2.75
19971217	3.7	4.5	19981217	2.3	1.8	19991217	3.2	4.45
19971218	2.8	3.1	19981218	2.2	2.3	19991218	3.6	2.6

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19971219	2.5	4.4
19971220	6	3.45
19971221	4.4	4.5
19971222	3	3.3
19971223	2.2	2.6
19971224	2.2	2.2
19971225	2.2	2.7
19971226	3.2	2.25
19971227	2.3	2.2
19971228	1.2	2.25
19971229	2.2	1.15
19971230	1.1	1.1
19971231		0.55

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19981219	2.3	1.1
19981220		1.15
19981221		0
19981222		3.3
19981223	6.6	2.85
19981224	5.7	4.1
19981225	1.6	4.95
19981226	4.2	2.2
19981227	2.8	3.35
19981228	2.5	4.6
19981229	6.4	2.7
19981230	2.9	4
19981231	1.6	1.45

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
19991219	2	2.95
19991220	2.3	2.7
19991221	3.4	3.7
19991222	5.1	2.55
19991223	1.7	3.6
19991224	2.1	3.95
19991225	6.2	3.25
19991226	4.4	5.6
19991227	5	3.1
19991228	1.8	5.1
19991229	5.2	2.05
19991230	2.3	4.5
19991231	3.8	1.15

yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
20000101		2.95	20010101	5.9	3.85	20020101	2.4	5.3
20000102	2.1	0.95	20010102	6.2	4.05	20020102	6	3.25
20000103	1.9	3.4	20010103	2.2	4.55	20020103	4.1	5
20000104	4.7	2.75	20010104	2.9	3.95	20020104	4	3.55
20000105	3.6	3.8	20010105	5.7	2.5	20020105	3	3
20000106	2.9	3.2	20010106	2.1	4.8	20020106	2	3.85
20000107	2.8	4.4	20010107	3.9	3.45	20020107	4.7	2.7
20000108	5.9	2.4	20010108	4.8	5.05	20020108	3.4	4.95
20000109	2	4.05	20010109	6.2	4.9	20020109	5.2	2.45
20000110	2.2	3.55	20010110	5	4.25	20020110	1.5	5.6
20000111	5.1	3.05	20010111	2.3	3.55	20020111	6	3.85
20000112	3.9	3.85	20010112	2.1	2.2	20020112	6.2	4.05
20000113	2.6	3.9	20010113	2.1	1.65	20020113	2.1	4
20000114	3.9	2.85	20010114	1.2	2.05	20020114	1.8	2.35
20000115	3.1	3.85	20010115	2	2	20020115	2.6	1.5
20000116	3.8	2.6	20010116	2.8	3.75	20020116	1.2	3.9
20000117	2.1	5.15	20010117	5.5	2.35	20020117	5.2	3.9
20000118	6.5	2.3	20010118	1.9	6.1	20020118	6.6	4.85
20000119	2.5	4.95	20010119	6.7	4	20020119	4.5	4.85
20000120	3.4	3.55	20010120	6.1	5.45	20020120	3.1	3.65
20000121	4.6	3.15	20010121	4.2	5.3	20020121	2.8	3.5
20000122	2.9	5.6	20010122	4.5	4.85	20020122	3.9	2.55
20000123	6.6	3.6	20010123	5.5	5.7	20020123	2.3	4.6
20000124	4.3	6.45	20010124	6.9	5.9	20020124	5.3	3.4
20000125	6.3	5.65	20010125	6.3	4.7	20020125	4.5	4.8
20000126	7	6.35	20010126	2.5	6.1	20020126	4.3	3.95
20000127	6.4	5.95	20010127	5.9	2.5	20020127	3.4	3.4
20000128	4.9	4.8	20010128	2.5	3.9	20020128	2.5	2.9
20000129	3.2	4.55	20010129	1.9	2.45	20020129	2.4	3.5
20000130	4.2	5	20010130	2.4	3.3	20020130	4.5	2.35
20000131	6.8	5.7	20010131	4.7	5.05	20020131	2.3	6.05
20000201	7.2	4.8	20010201	7.7	4.6	20020201	7.6	2.45
20000202	2.8	4.35	20010202	4.5	4.85	20020202	2.6	5.75
20000203	1.5	2.75	20010203	2	3.2	20020203	3.9	5.3
20000204	2.7	3.3	20010204	1.9	2.2	20020204	8	5.25
20000205	5.1	2.55	20010205	2.4	3.4	20020205	6.6	7.95
20000206	2.4	6.5	20010206	4.9	3.85	20020206	7.9	6.8
20000207	7.9	3.3	20010207	5.3	3.85	20020207	7	7.1
20000208	4.2	5.35	20010208	2.8	5.95	20020208	6.3	5.05
20000209	2.8	3.3	20010209	6.6	4	20020209	3.1	7.05
20000210	2.4	5.75	20010210	5.2	5.25	20020210	7.8	3.45
20000211	8.7	3.8	20010211	3.9	3.95	20020211	3.8	8.1
20000212	5.2	6.95	20010212	2.7	3.45	20020212	8.4	6.3
20000213	5.2	3.9	20010213	3	4.05	20020213	8.8	5.85
20000214	2.6	4.15	20010214	5.4	4.95	20020214	3.3	7.45
20000215	3.1	3.4	20010215	6.9	7.5	20020215	6.1	3.1
20000216	4.2	2.95	20010216	9.6	8.3	20020216	2.9	7.4
20000217	2.8	3.6	20010217	9.7	7.35	20020217	8.7	3.55
20000218	3	4.5	20010218	5.1	8	20020218	4.2	6
20000219	6.2	5.05	20010219	6.3	7.7	20020219	3.3	3
20000220	7.1	5.35	20010220	10.3	7.85	20020220	1.8	5.8
20000221	4.5	6	20010221	9.4	6.95	20020221	8.3	3.9
20000222	4.9	3.75	20010222	3.6	8.45	20020222	6	6.55
20000223	3	3.9	20010223	7.5	3.65	20020223	4.8	4.75
20000224	2.9	2.6	20010224	3.7	5.7	20020224	3.5	4.6
20000225	2.2	3.25	20010225	3.9	6.9	20020225	4.4	3.15
20000226	3.6	6.45	20010226	10.1	7.2	20020226	2.8	7.2
20000227	10.7	4.25	20010227	10.5	8.35	20020227	10	6.2
20000228	4.9	9.4	20010228	6.6	8.8	20020228	9.6	9.05
20000229	8.1	5.95	20010301	7.1	7.15	20020301	8.1	9.2
20000301	7	9.15	20010302	7.7	8.95	20020302	8.8	10.3
20000302	10.2	8.2	20010303	10.8	10.05	20020303	12.5	4.4
20000303	9.4	9	20010304	12.4	11.75	20020304		8
20000304	7.8	10.7	20010305	12.7	11.8	20020305	3.5	1.95
20000305	12	6.15	20010306	11.2	8.25	20020306	3.9	3.65
20000306	4.5	11	20010307	3.8	7.65	20020307	3.8	4.2
20000307	10	4.1	20010308	4.1	8	20020308	4.5	4
20000308	3.7	6.9	20010309	12.2	4.35	20020309	4.2	7.1
20000309	3.8	5.35	20010310	4.6	12	20020310	9.7	6.75
20000310	7	6.7	20010311	11.8	5.3	20020311	9.3	8.65
20000311	9.6	5.25	20010312	6	8.55	20020312	7.6	8.15
20000312	3.5	8.25	20010313	5.3	7.05	20020313	7	6.15
20000313	6.9	6.8	20010314	8.1	7.3	20020314	4.7	9.6
20000314	10.1	5.95	20010315	9.3	8.35	20020315	12.2	9.7
20000315	5	10.25	20010316	8.6	12.1	20020316	14.7	8.2
20000316	10.4	7.9	20010317	14.9	8.9	20020317	4.2	10.4
20000317	10.8	6.5	20010318	9.2	9.95	20020318	6.1	4.55
20000318	2.6	8	20010319	5	8.3	20020319	4.9	6.7
20000319	5.2	3.85	20010320	7.4	8.15	20020320	7.3	8.5
20000320	5.1	5.3	20010321	11.3	6.15	20020321	12.1	11.55
20000321	5.4	5.7	20010322	4.9	10.3	20020322	15.8	12.05
20000322	6.3	4.95	20010323	9.3	7.75	20020323	12	13.85
20000323	4.5	5.3	20010324	10.6	11.2	20020324	11.9	14.4
20000324	4.3	8.8	20010325	13.1	13.6	20020325	16.8	13.95

yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)	yyyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
20000325	13.1	5.9	20010326	16.6	15	20020326	16	16
20000326	7.5	8.85	20010327	16.9	11.1	20020327	15.2	13.45
20000327	4.6	12.15	20010328	5.6	11.4	20020328	10.9	14.25
20000328	16.8	10.8	20010329	5.9	5.2	20020329	13.3	9.05
20000329	17	14.25	20010330	4.8	5.75	20020330	7.2	9.6
20000330	11.7	13.2	20010331	5.6	9.2	20020331	5.9	9.6
20000331	9.4	11.2	20010401	13.6	8.25	20020401	12	4.15
20000401	10.7	7.3	20010402	10.9	11.1	20020402	2.4	9.5
20000402	5.2	8.05	20010403	8.6	10.95	20020403	7	6.8
20000403	5.4	11.5	20010404	11	6.6	20020404	11.2	11.25
20000404	17.8	8.45	20010405	4.6	8.3	20020405	15.5	11.7
20000405	11.5	16.05	20010406	5.6	5	20020406	12.2	10.6
20000406	14.3	8.55	20010407	5.4	9	20020407	5.7	10.2
20000407	5.6	14.45	20010408	12.4	6.8	20020408	8.2	12.7
20000408	14.6	11.15	20010409	8.2	9.85	20020409	19.7	6
20000409	16.7	11.2	20010410	7.3	7.35	20020410	3.8	12.2
20000410	7.8	11	20010411	6.5	5.7	20020411	4.7	9
20000411	5.3	8.45	20010412	4.1	9.95	20020412	14.2	7.95
20000412	9.1	7.65	20010413	13.4	9.85	20020413	11.2	14.35
20000413	10	8.3	20010414	15.6	10.5	20020414	14.5	12.35
20000414	7.5	8.6	20010415	7.6	9.8	20020415	13.5	10.8
20000415	7.2	7.25	20010416	4	14.7	20020416	7.1	17.05
20000416	7	7.2	20010417	21.8	10.05	20020417	20.6	13.05
20000417	7.2	7.15	20010418	16.1	15.7	20020418	19	16.15
20000418	7.3	7.05	20010419	9.6	14.1	20020419	11.7	17
20000419	6.9	5.85	20010420	12.1	8.5	20020420	15	8.35
20000420	4.4	14.55	20010421	7.4	9	20020421	5	11.65
20000421	22.2	9.85	20010422	5.9	6.3	20020422	8.3	13.3
20000422	15.3	21.8	20010423	5.2	9.35	20020423	21.6	8.5
20000423	21.4	18.85	20010424	12.8	11.4	20020424	8.7	20.65
20000424	22.4	22.1	20010425	17.6	15.9	20020425	19.7	12.35
20000425	22.8	20.25	20010426	19	18.2	20020426	16	12.25
20000426	18.1	16.5	20010427	18.8	16.25	20020427	4.8	12.05
20000427	10.2	18.55	20010428	13.5	19.65	20020428	8.1	9.45
20000428	19	14.8	20010429	20.5	10	20020429	14.1	8.75
20000429	19.4	15.55	20010430	6.5	14.75	20020430	9.4	
20000430	12.1	11.05	20011101	9	9.95	Average =	7	7
20001101	2.7	11.05	20011102	13.4	10.6	Standard Deviat	5	
20001102	10	5.1	20011103	12.2	11.2	ormalized Mean	-1	
20001103	7.5	11.2	20011104	9	11.7			
20001104	12.4	6.6	20011105	11.2	10.15			
20001105	5.7	7.65	20011106	11.3	8.6			
20001106	2.9	3.8	20011107	6	10.45			
20001107	1.9	3.55	20011108	9.6	7.5			
20001108	4.2	2.65	20011109	9	10.05			
20001109	3.4	4.15	20011110	10.5	9.6			
20001110	4.1	3.65	20011111	10.2	9.55			
20001111	3.9	3.85	20011112	8.6	7.25			
20001112	3.6	3.15	20011113	4.3	5.5			
20001113	2.4	3.8	20011114	2.4	5.85			
20001114	4	5	20011115	7.4	5.45			
20001115	7.6	3.7	20011116	8.5	8.25			
20001116	3.4	5.45	20011117	9.1	5.25			
20001117	3.3	3.65	20011118	2	9.65			
20001118	3.9	3.2	20011119	10.2	2.3			
20001119	3.1	3.4	20011120	2.6	9.55			
20001120	2.9	6.65	20011121	8.9	3.9			
20001121	10.2	4.75	20011122	5.2	7.2			
20001122	6.6	8.2	20011123	5.5	3.7			
20001123	6.2	7.6	20011124	2.2	4.3			
20001124	8.6	6.25	20011125	3.1	2.1			
20001125	6.3	6.15	20011126	2	2.65			
20001126	3.7	4.45	20011127	2.2	2.35			
20001127	2.6	3.25	20011128	2.7	2.25			
20001128	2.8	2.7	20011129	2.3	2.8			
20001129	2.8	2.55	20011130	2.9	2.65			
20001130	2.3	2.8	20011201	3	3.9			
20001201	2.8	5.1	20011202	4.9	3.45			
20001202	7.9	4.6	20011203	3.9	3.8			
20001203	6.4	5.15	20011204	2.7	2.8			
20001204	2.4	6.65	20011205	1.7	4			
20001205	6.9	2.1	20011206	5.3	2.25			
20001206	1.8	4.75	20011207	2.8	5.4			
20001207	2.6	3.65	20011208	5.5	5.05			
20001208	5.5	2.6	20011209	7.3	5.6			
20001209	2.6	5.3	20011210	5.7	6.4			
20001210	5.1	3.15	20011211	5.5	3.9			
20001211	3.7	5.9	20011212	2.1	4			
20001212	6.7	3.1	20011213	2.5	2.25			
20001213	2.5	5.4	20011214	2.4	2.45			
20001214	4.1	2.25	20011215	2.4	2.25			
20001215	2	2.95	20011216	2.1	4.55			
20001216	1.8	3.8	20011217	6.7	2.45			
20001217	5.6	3.45	20011218	2.8	6.7			

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
20001218	5.1	5.55
20001219	5.5	3.6
20001220	2.1	4.25
20001221	3	2.55
20001222	3	3.35
20001223	3.7	4.8
20001224	6.6	3.15
20001225	2.6	4.3
20001226	2	2.6
20001227	2.6	3.4
20001228	4.8	1.8
20001229	1	3.25
20001230	1.7	1.25
20001231	1.5	3.8

yyyymmdd	Solar Radiation (MJ/ sq m)	Solar Radiation (MJ/ sq m)
20011219	6.7	4
20011220	5.2	4.75
20011221	2.8	3.55
20011222	1.9	2.75
20011223	2.7	3.15
20011224	4.4	3.05
20011225	3.4	3.2
20011226	2	2.6
20011227	1.8	2.1
20011228	2.2	2.4
20011229	3	2.4
20011230	2.6	3.8
20011231	4.6	2.5

Appendix F

"y" terms									Obs				b1	b2	b3
y = obs-dd method	y = obs	y = obs-Rn - LE	y = obs-b1 term - b3 term	y = obs-b1 term - b2 term	y = obs- b3 term	y = obs- b2 term	y = obs-b1 term	Snowmelt 2	DD method	H	LE	Rn			
-10.03166667	17.94	13.37	-0.17	6.40	12.37	18.93	5.40	17.94	27.97166667	12.54	-0.99	5.57			
1.331777778	16.25	3.82	-20.10	-4.15	2.06	18.01	-5.91	16.25	14.91822222	22.16	-1.76	14.19			
-1.917777778	16.73	7.34	-6.28	4.99	6.40	17.67	4.05	16.73	18.64777778	12.68	-0.94	10.33			
-1.057333333	21.32	13.91	6.57	14.99	13.40	21.83	14.49	21.32	22.37733333	6.83	-0.51	7.92			
-11.7245	13.45	3.95	-7.47	3.56	3.18	14.21	2.80	13.45	25.1745	10.65	-0.76	10.27			
-4.7145	20.46	14.68	-9.39	-0.07	12.91	22.23	-1.84	20.46	25.1745	22.30	-1.77	7.55			
2.803111111	28.91	25.25	14.70	19.96	24.46	29.71	19.16	28.91	26.10688889	9.75	-0.80	4.45			
-14.48688889	11.62	9.01	3.00	7.56	8.03	12.60	6.59	11.62	26.10688889	5.03	-0.98	3.59			
-0.645833333	13.34	6.90	-10.62	-1.35	5.48	14.75	-2.76	13.34	13.98583333	16.10	-1.41	7.86			
-4.327333333	18.05	14.28	-24.24	-15.14	11.62	20.71	-17.80	18.05	22.37733333	35.85	-2.66	6.43			
-0.709722222	22.6	16.76	-16.56	-6.32	14.56	24.80	-8.52	22.6	23.30972222	31.12	-2.20	8.04			
3.473111111	29.58	14.21	-33.04	-12.35	11.55	32.24	-15.01	29.58	26.10688889	44.59	-2.66	18.03			
-7.776888889	18.33	11.99	-25.30	-13.81	9.41	20.90	-16.39	18.33	26.10688889	34.72	-2.57	8.92			
-3.070611111	12.78	12.59	-0.34	1.70	11.67	13.71	0.77	12.78	15.85061111	12.01	-0.93	1.11			
-2.405833333	11.58	11.05	-13.42	-10.24	9.72	12.90	-11.56	11.58	13.98583333	23.14	-1.32	1.86			
1.504166667	15.49	13.05	-3.90	1.58	11.53	17.01	0.06	15.49	13.98583333	15.43	-1.52	3.96			
3.852222222	22.5	13.79	-11.23	0.72	12.17	24.12	-0.90	22.5	18.64777778	23.40	-1.62	10.33			
8.160111111	51.05	45.24	5.98	19.84	41.21	55.08	15.81	51.05	42.88988889	35.24	-4.03	9.84			
-17.54988889	25.34	23.77	-5.25	0.48	21.69	27.42	-1.60	25.34	42.88988889	26.94	-2.08	3.65			
-7.149722222	16.16	12.77	-2.97	2.80	11.58	17.35	1.61	16.16	23.30972222	14.55	-1.19	4.58			
-1.170611111	14.68	11.96	3.84	8.67	10.91	15.73	7.62	14.68	15.85061111	7.06	-1.05	3.77			
3.075944444	31.98	23.71	-15.39	-2.14	21.22	34.47	-4.63	31.98	28.90405556	36.61	-2.49	10.76			
-29.86705556	15.82	8.25	-55.32	-38.34	3.55	20.53	-43.04	15.82	45.68705556	58.86	-4.71	12.27			
8.368944444	20.49	16.12	-7.13	0.00	14.74	21.88	-1.38	20.49	12.12105556	21.87	-1.39	5.75			
-15.96122222	15.74	15.45	-10.64	-6.23	13.39	17.80	-8.29	15.74	31.70122222	24.03	-2.06	2.35			
-19.29122222	12.41	8.28	-12.49	-5.12	6.66	14.03	-6.74	12.41	31.70122222	19.15	-1.62	5.75			
-9.272555556	11.24	11.99	-11.34	-8.37	10.13	13.10	-10.23	11.24	20.51255556	21.47	-1.86	1.11			
-7.092111111	17.15	11.99	-1.64	5.45	11.03	18.12	4.48	17.15	24.24211111	12.67	-0.97	6.12			
1.456555556	14.51	14.66	-4.36	-1.98	13.40	15.78	-3.25	14.51	13.05344444	17.76	-1.27	1.11			
-15.19644444	14.64	8.92	-9.18	-0.90	7.64	15.92	-2.18	14.64	29.83644444	16.82	-1.28	7.00			
0.493722222	10.75	#DIV/0!	#DIV/0!	#DIV/0!	-2.29	#DIV/0!	#DIV/0!	10.75	10.25627778	#DIV/0!	#DIV/0!	13.04			
2.123722222	12.38	#DIV/0!	#DIV/0!	#DIV/0!	1.93	#DIV/0!	#DIV/0!	12.38	10.25627778	#DIV/0!	#DIV/0!	10.45			
2.9885	11.38	#DIV/0!	#DIV/0!	#DIV/0!	3.13	#DIV/0!	#DIV/0!	11.38	8.3915	#DIV/0!	#DIV/0!	8.25			
3.664611111	21.38	#DIV/0!	#DIV/0!	#DIV/0!	10.83	#DIV/0!	#DIV/0!	21.38	17.71538889	#DIV/0!	#DIV/0!	10.55			
5.614611111	23.33	#DIV/0!	#DIV/0!	#DIV/0!	18.92	#DIV/0!	#DIV/0!	23.33	17.71538889	#DIV/0!	#DIV/0!	4.41			
12.01177778	26.93	#DIV/0!	#DIV/0!	#DIV/0!	21.56	#DIV/0!	#DIV/0!	26.93	14.91822222	#DIV/0!	#DIV/0!	5.37			
-11.89644444	17.94	#DIV/0!	#DIV/0!	#DIV/0!	12.76	#DIV/0!	#DIV/0!	17.94	29.83644444	#DIV/0!	#DIV/0!	5.18			
#VALUE!	13	#DIV/0!	#DIV/0!	#DIV/0!	13.00	#DIV/0!	#DIV/0!	13	NA	#DIV/0!	#DIV/0!	0.00			
-9.520166667	10.06	#DIV/0!	#DIV/0!	#DIV/0!	10.06	#DIV/0!	#DIV/0!	10.06	19.58016667	#DIV/0!	#DIV/0!	0.00			

Appendix G

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19910101	NA	1.113480828	-146.11	-194.56	0.36	0.241
19910102	NA	1.38566503	-170.72	-346.98	0.17	0.170
19910103	NA	1.534129141	-162.39	-313.73	0.18	0.172
19910104	NA	1.509385122	-127.69	-264.10	0.15	0.152
19910105	NA	1.113480828	-80.77	-185.92	0.14	0.157
19910106	NA	1.558873159	-163.65	-343.39	0.14	0.143
19910107	NA	1.435153067	-138.65	-263.90	0.17	0.162
19910108	NA	0.866040644	-126.68	-206.04	0.29	0.233
19910109	NA	0.668088497	-109.10	-283.84	0.09	0.116
19910110	NA	0.544368405	-109.61	-189.03	0.28	0.238
19910111	NA	0.816552607	-76.58	-143.28	0.25	0.233
19910112	NA	1.311432975	-85.47	-146.08	0.23	0.193
19910113	NA	0.544368405	-19.74	-18.93	0.68	0.326
19910114	NA	0.544368405	-25.85	-25.70	0.67	0.332
19910115	NA	0.544368405	-10.51	-19.55	0.23	0.212
19910116	NA	0.544368405	-27.69	-38.53	0.42	0.292
19910117	NA	0.76706457	-59.61	-72.47	0.43	0.260
19910118	0.17	1.08873681	-1.66	-1.60	0.90	0.433
19910119	1.21	1.039248773	-33.16	-32.50	0.99	0.486
19910120	NA	1.063992791	-228.71	-338.88	0.34	0.253
19910121	NA	1.70733727	-148.65	-298.33	0.16	0.163
19910122	0.24	0.742320552	-73.16	-71.87	0.77	0.377
19910123	0.01	1.162968865	-188.71	-264.13	0.45	0.312
19910124	NA	1.756825306	-123.24	-261.22	0.15	0.164
19910125	NA	1.781569325	-123.65	-227.91	0.20	0.180
19910126	NA	1.608361196	-104.27	-118.98	0.68	0.388
19910127	NA	1.534129141	-46.49	-46.36	0.90	0.448
19910128	NA	1.70733727	-122.34	-130.77	0.47	0.250
19910129	NA	1.732081288	-116.58	-243.92	0.17	0.176
19910130	NA	1.336176994	-117.22	-146.16	0.45	0.279
19910131	NA	1.435153067	-54.36	-51.99	0.32	0.154
19910201	4.49	1.657849233	11.35	10.34	0.72	0.326
19910202	6.25	1.657849233	47.57	39.70	0.81	0.340
19910203	0.46	1.484641104	58.47	55.55	1.31	0.625
19910204	NA	1.831057362	47.87	42.55	0.94	0.419
19910205	NA	1.930033435	16.28	12.16	0.33	0.122
19910206	NA	1.732081288	27.57	23.75	0.61	0.263
19910207	NA	1.905289417	15.90	13.63	0.53	0.229
19910208	NA	2.029009509	67.87	58.82	1.15	0.500
19910209	NA	2.029009509	4.71	4.48	0.84	0.398
19910210	NA	2.103241564	-59.44	-71.09	0.69	0.415
19910211	NA	2.152729601	-45.47	-66.93	0.38	0.280
19910212	NA	1.756825306	-29.91	-35.20	0.43	0.250
19910213	1.06	0.989760736	-23.65	-22.55	0.49	0.234
19910214	NA	1.85580138	-294.35	-398.33	0.45	0.304
19910215	NA	0	0.00	#DIV/0!	0.00	#DIV/0!
19910216	NA	1.534129141	-3.24	-2.94	0.58	0.265
19910217	NA	2.276449693	-26.15	-25.07	0.52	0.250
19910218	NA	1.583617178	-31.83	-35.72	0.53	0.299
19910219	NA	2.449657822	-53.35	-69.91	0.52	0.340
19910220	3.38	1.781569325	11.35	10.53	0.71	0.329
19910221	7.53	2.127985582	48.47	45.79	1.18	0.557
19910222	NA	2.62286595	-41.13	-41.13	0.60	0.302
19910223	NA	1.336176994	-71.68	-71.27	0.45	0.222
19910224	NA	2.721842024	-101.02	-199.58	0.19	0.189
19910225	NA	2.400169785	-30.38	-76.93	0.09	0.114
19910226	NA	2.053753527	-39.10	-75.88	0.25	0.240
19910227	NA	2.400169785	-16.22	-40.88	0.14	0.170
19910228	0.46	2.32593773	0.00	#DIV/0!	0.00	#DIV/0!
19910301	NA	3.587882668	-64.87	-64.55	0.52	0.261
19910302	NA	5.443684048	-247.73	-370.86	0.36	0.268
19910303	NA	7.361345474	-43.69	-43.69	0.18	0.092
19910304	NA	6.866465106	27.57	23.06	0.64	0.267
19910305	NA	5.010663726	51.50	46.27	1.01	0.454
19910306	NA	6.557164876	-117.30	-141.19	0.72	0.431
19910307	1.29	7.546925612	-43.65	-41.61	0.43	0.205
19910308	NA	5.134383818	4.28	4.07	0.74	0.350
19910309	NA	8.289246164	4.71	4.39	0.83	0.387

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19910310	NA	7.175765336	51.29	49.77	1.52	0.739
19910311	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19910312	NA	5.072523772	0.00	#DIV/0!	0.00	#DIV/0!
19910313	NA	6.1860046	-29.01	-28.81	0.89	0.441
19910314	1.28	8.103666026	-10.36	-9.21	0.31	0.138
19910315	2.49	8.474826302	0.75	0.66	0.37	0.164
19910316	NA	3.464162576	10.90	10.01	0.48	0.222
19910317	NA	3.526022622	17.57	15.68	0.53	0.238
19910318	NA	7.546925612	38.98	35.00	0.86	0.387
19910319	NA	9.340866946	59.23	48.89	0.98	0.406
19910320	NA	5.938564416	0.00	#DIV/0!	0.00	#DIV/0!
19910321	NA	3.278582438	36.35	34.18	0.90	0.422
19910322	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19910323	NA	5.25810391	7.27	7.22	1.27	0.630
19910324	7.86	10.14504754	38.85	35.53	0.94	0.431
19910325	NA	7.546925612	47.48	44.25	1.17	0.544
19910326	NA	8.722266486	49.23	40.85	0.86	0.356
19910327	NA	4.02090299	2.40	2.35	1.17	0.572
19910328	NA	8.66040644	-34.16	-34.16	0.79	0.395
19910329	NA	10.94922814	-50.29	-59.61	0.58	0.342
19910330	3.1	7.546925612	35.26	32.51	1.03	0.475
19910331	NA	9.773887268	75.13	69.95	1.45	0.674
19910401	NA	16.87542055	37.57	31.54	0.76	0.319
19910402	NA	15.91658984	139.17	127.76	2.48	1.138
19910403	NA	14.86187605	145.26	129.98	2.54	1.137
19910404	NA	15.14952527	99.23	79.61	1.79	0.719
19910405	NA	15.43717448	167.87	139.48	3.81	1.582
19910406	NA	15.72482369	229.28	196.78	5.74	2.464
19910407	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19910408	NA	7.287113419	177.70	170.88	2.96	1.421
19910409	NA	7.766528775	72.10	68.96	1.54	0.738
19910410	NA	19.27249733	32.69	26.44	0.61	0.249
19910411	NA	9.875956344	96.99	94.26	2.13	1.036
19910412	NA	7.38299649	30.88	30.47	1.38	0.681
19910413	NA	10.06772249	30.84	29.98	1.11	0.541
19910414	NA	7.958294918	50.09	45.00	0.95	0.428
19910415	NA	11.21831934	51.50	48.32	1.10	0.514
19910416	NA	15.91658984	35.90	30.69	0.69	0.296
19910417	NA	20.32721112	28.38	22.12	0.52	0.201
19910418	NA	14.19069455	50.90	43.37	0.87	0.369
19910419	NA	16.58777133	70.94	64.74	1.26	0.576
19910420	NA	20.80662647	50.09	44.53	1.00	0.444
19910421	NA	21.47780797	30.60	23.54	0.57	0.220
19910422	NA	13.7112792	73.72	67.46	1.34	0.615
19910423	NA	18.31366662	65.82	60.86	1.32	0.611
19910424	NA	20.80662647	108.85	94.06	1.80	0.777
19910425	NA	19.08073119	207.78	189.41	3.83	1.747
19910426	NA	15.05364219	237.96	222.79	4.23	1.978

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19910427	NA	18.12190048	206.84	194.95	3.49	1.644
19910428	NA	20.90250954	148.72	130.42	2.65	1.160
19910429	NA	17.45071898	118.47	109.87	2.00	0.929
19910430	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19911101	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19911102	NA	4.082763036	-263.07	-336.47	0.68	0.433
19911103	NA	7.052045244	-180.68	-285.94	0.34	0.266
19911104	NA	6.309724692	-103.65	-172.77	0.24	0.198
19911105	NA	2.721842024	-73.88	-79.64	0.57	0.308
19911106	NA	7.608785658	-182.22	-305.14	0.28	0.234
19911107	NA	7.856225842	-113.65	-205.77	0.21	0.194
19911108	NA	7.608785658	-56.83	-56.08	0.45	0.220
19911109	NA	5.196243864	4.71	4.53	0.83	0.399
19911110	NA	2.78370207	-45.72	-61.89	0.48	0.324
19911111	NA	2.47440184	-10.77	-10.77	0.36	0.180
19911112	2.28	2.845562116	18.17	17.03	0.82	0.386
19911113	17.94	5.56740414	42.42	34.55	0.74	0.302
19911114	3.07	5.505544094	7.57	6.95	0.47	0.215
19911115	0.7	5.443684048	10.82	10.50	0.84	0.406
19911116	0.03	4.701363496	-10.77	-10.77	0.36	0.181
19911117	1.27	2.412541794	16.39	15.89	1.01	0.489
19911118	2.12	4.02090299	51.35	47.14	1.04	0.475
19911119	1.18	4.701363496	24.36	20.48	0.53	0.221
19911120	0.96	6.062284508	27.57	23.75	0.62	0.265
19911121	0.74	3.959042944	48.85	44.39	1.02	0.464
19911122	0.03	2.041381518	-54.87	-54.87	0.58	0.288
19911123	NA	2.041381518	-171.32	-225.30	0.63	0.416
19911124	NA	5.87670437	-153.46	-229.50	0.40	0.302
19911125	NA	5.629264186	-64.10	-124.86	0.17	0.169
19911126	NA	3.959042944	-41.13	-40.67	0.56	0.279
19911127	NA	5.56740414	-28.91	-28.44	0.63	0.309
19911128	NA	3.464162576	-26.07	-61.34	0.16	0.194
19911129	NA	2.103241564	-41.13	-51.49	0.57	0.355
19911130	NA	5.134383818	-135.38	-154.59	0.55	0.315
19911201	NA	2.078497546	-132.79	-223.41	0.28	0.237
19911202	NA	1.311432975	-112.39	-179.01	0.28	0.220
19911203	NA	1.608361196	-168.20	-264.21	0.25	0.199
19911204	NA	1.261944938	-147.69	-327.89	0.12	0.129
19911205	NA	1.608361196	-94.36	-183.30	0.21	0.203
19911206	NA	1.23720092	-40.17	-37.92	0.52	0.245
19911207	0.2	1.509385122	9.08	8.01	0.42	0.185
19911208	2.19	1.063992791	-4.10	-3.87	0.40	0.187
19911209	1.69	1.23720092	2.57	2.40	0.44	0.205
19911210	5.04	1.583617178	18.98	17.64	0.69	0.322
19911211	2.41	1.781569325	9.23	8.24	0.48	0.215
19911212	0.61	0.76706457	-2.43	-2.27	0.42	0.196
19911213	0.32	0.890784662	-14.87	-14.44	0.77	0.376
19911214	0.01	1.70733727	-95.12	-116.01	0.58	0.351
19911215	NA	1.781569325	-91.15	-139.31	0.27	0.207
19911216	0.28	1.534129141	12.57	11.09	0.52	0.230
19911217	NA	1.484641104	-110.78	-116.08	0.70	0.369
19911218	NA	1.70733727	-61.75	-147.49	0.13	0.152
19911219	NA	1.08873681	-71.53	-83.11	0.52	0.303
19911220	NA	0.61860046	-4.06	-3.96	0.68	0.331
19911221	1.12	1.583617178	16.93	16.01	0.88	0.415
19911222	1.1	1.583617178	23.42	21.55	0.73	0.334
19911223	0.23	#VALUE!	-7.69	-7.22	0.52	0.246
19911224	0.26	1.558873159	-3.84	-3.38	0.26	0.114
19911225	0.35	1.484641104	2.57	2.26	0.44	0.192
19911226	0.07	0.519624386	-14.36	-14.07	0.47	0.232
19911227	NA	0.519624386	-24.10	-43.69	0.29	0.267
19911228	NA	0.791808589	-7.58	-7.25	0.30	0.145
19911229	NA	0.816552607	-0.38	-0.36	0.21	0.097
19911230	NA	#VALUE!	-1.02	-1.01	0.54	0.269
19911231	0.06	0.519624386	5.90	5.57	0.46	0.216

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qc)	u(qa-qc)*Ce
19920101	0.05	0.519624386	5.64	5.53	0.60	0.293
19920102	0.02	0.519624386	7.87	7.65	0.61	0.298
19920103	0.38	0.519624386	18.98	17.46	0.69	0.317
19920104	0.08	0.519624386	-12.43	-12.43	0.36	0.181
19920105	0.01	0.519624386	7.06	6.88	0.75	0.364
19920106	NA	0.519624386	-19.10	-27.43	0.32	0.231
19920107	NA	0.519624386	-14.87	-14.80	0.77	0.383
19920108	NA	0.519624386	-45.72	-45.12	0.48	0.236
19920109	NA	1.311432975	-99.18	-148.02	0.36	0.269
19920110	1.49	1.484641104	-21.02	-19.73	0.46	0.215
19920111	1.33	1.509385122	24.23	20.88	0.60	0.259
19920112	NA	0.866040644	-28.65	-28.41	0.49	0.243
19920113	NA	1.113480828	-105.29	-170.98	0.35	0.283
19920114	NA	0.76706457	-75.77	-126.41	0.15	0.121
19920115	NA	1.608361196	-228.20	-415.06	0.17	0.154
19920116	NA	0.61860046	-48.65	-47.20	0.41	0.198
19920117	NA	1.608361196	-170.93	-227.16	0.47	0.315
19920118	NA	1.657849233	-151.15	-313.58	0.15	0.159
19920119	NA	1.08873681	-59.46	-57.69	0.51	0.249
19920120	2.96	1.583617178	-3.65	-3.36	0.61	0.282
19920121	NA	1.633105214	0.90	0.81	0.43	0.193
19920122	NA	0.816552607	1.35	1.30	0.66	0.318
19920123	NA	1.583617178	-119.22	-118.80	0.89	0.443
19920124	NA	1.633105214	-120.72	-211.85	0.26	0.225
19920125	NA	1.113480828	-98.65	-181.39	0.25	0.231
19920126	NA	1.187712883	-36.15	-34.66	0.46	0.220
19920127	NA	1.187712883	-58.80	-97.34	0.30	0.251
19920128	NA	1.70733727	-43.65	-42.95	0.42	0.207
19920129	5.73	0.890784662	34.83	32.13	0.93	0.431
19920130	NA	1.014504754	22.57	19.92	0.58	0.257
19920131	NA	1.261944938	3.42	3.30	0.58	0.278
19920201	NA	1.831057362	33.85	31.06	0.89	0.407
19920202	NA	1.806313343	20.19	17.15	0.50	0.211
19920203	NA	1.360921012	16.35	15.23	0.74	0.344
19920204	NA	1.38566503	-34.61	-44.61	0.52	0.335
19920205	NA	1.930033435	37.61	34.49	0.97	0.447
19920206	NA	1.583617178	16.72	16.46	1.38	0.680
19920207	NA	1.286688957	-101.34	-110.42	0.76	0.414
19920208	NA	2.053753527	-115.17	-208.17	0.27	0.248
19920209	NA	1.880545398	-84.61	-127.67	0.35	0.261
19920210	NA	1.336176994	-90.17	-146.61	0.33	0.269
19920211	NA	1.657849233	-123.50	-232.34	0.26	0.246
19920212	NA	1.336176994	-61.02	-94.10	0.31	0.238
19920213	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19920214	NA	0.76706457	-41.15	-47.17	0.44	0.254
19920215	NA	0.841296626	-2.43	-2.35	0.42	0.205
19920216	0.2	0.791808589	1.20	1.17	0.58	0.280
19920217	3.94	0.989760736	18.47	18.07	0.97	0.476
19920218	NA	1.113480828	-7.52	-7.47	0.73	0.361
19920219	NA	1.212456902	-48.65	-65.01	0.41	0.275
19920220	NA	1.38566503	-56.23	-55.66	0.71	0.351
19920221	NA	1.608361196	-44.10	-80.17	0.23	0.210
19920222	NA	0.940272699	-3.84	-3.53	0.26	0.122
19920223	NA	1.781569325	-14.36	-14.36	0.49	0.245
19920224	NA	1.657849233	-38.80	-45.68	0.37	0.215
19920225	NA	1.732081288	-73.50	-82.60	0.39	0.217
19920226	3.77	2.301193711	23.72	22.60	0.87	0.414
19920227	6.98	2.127985582	43.17	40.21	1.03	0.481
19920228	0.2	1.657849233	45.28	43.28	1.25	0.600
19920229	NA	1.85580138	0.00	#DIV/0!	0.00	#DIV/0!
19920301	NA	6.928325152	49.49	37.49	0.84	0.317
19920302	NA	4.02090299	28.53	23.67	0.56	0.234
19920303	NA	2.536261886	16.35	15.78	0.73	0.355
19920304	NA	2.536261886	25.90	23.13	0.60	0.268
19920305	NA	2.907422162	68.17	63.12	1.24	0.576
19920306	NA	2.721842024	84.83	78.33	1.44	0.666
19920307	NA	2.659981978	38.25	32.03	0.68	0.284
19920308	NA	3.464162576	23.85	22.53	0.79	0.375

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19920309	NA	5.134383818	-63.56	-63.41	0.87	0.433
19920310	NA	8.412966256	-81.53	-111.32	0.52	0.355
19920311	NA	4.701363496	-29.06	-29.06	0.57	0.283
19920312	NA	8.722266486	-52.13	-76.80	0.33	0.243
19920313	2.24	4.94880368	-5.77	-5.25	0.39	0.180
19920314	NA	6.309724692	-7.43	-7.30	0.38	0.189
19920315	NA	9.093426762	-10.77	-10.06	0.36	0.170
19920316	NA	7.856225842	41.80	38.72	1.18	0.548
19920317	NA	8.536686348	-28.20	-27.82	0.74	0.365
19920318	NA	8.784126532	4.71	4.55	0.90	0.437
19920319	NA	9.2790069	14.23	12.31	0.54	0.233
19920320	NA	9.773887268	8.85	8.36	0.69	0.324
19920321	NA	4.144623082	-29.06	-29.06	0.56	0.278
19920322	NA	9.712027222	-5.77	-5.11	0.39	0.175
19920323	NA	9.712027222	31.31	25.39	0.61	0.246
19920324	NA	9.959467406	101.35	88.45	1.72	0.749
19920325	NA	9.835747314	52.51	49.69	1.38	0.654
19920326	NA	10.45434777	-36.79	-36.30	0.85	0.417
19920327	NA	10.33062768	7.57	6.51	0.48	0.208
19920328	NA	4.94880368	38.47	37.11	1.10	0.532
19920329	NA	4.763223542	36.35	33.36	0.89	0.407
19920330	NA	10.0831875	65.39	58.90	1.22	0.551
19920331	NA	6.619024922	-16.34	-16.19	1.20	0.595
19920401	NA	16.87542055	-16.11	-15.70	0.89	0.433
19920402	NA	17.64248512	5.64	5.08	0.65	0.291
19920403	NA	14.95775912	90.26	82.13	1.72	0.783
19920404	NA	17.83425126	45.94	41.68	1.13	0.514
19920405	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19920406	NA	14.47834377	129.98	117.62	2.13	0.965
19920407	NA	17.73836819	63.85	57.85	1.14	0.518
19920408	NA	10.54713784	27.57	23.97	0.63	0.273
19920409	NA	15.82070676	45.64	41.15	0.90	0.407
19920410	NA	7.574762633	82.83	80.48	1.81	0.882
19920411	NA	14.86187605	2.40	2.36	1.15	0.564
19920412	NA	16.20423905	-33.65	-33.65	0.50	0.249
19920413	NA	9.58830713	16.35	15.37	0.74	0.347
19920414	NA	11.98538391	81.80	76.53	1.55	0.724
19920415	NA	7.095347276	68.17	63.53	1.27	0.590
19920416	NA	9.204774845	68.87	64.58	1.32	0.617
19920417	NA	7.862411846	43.85	40.40	0.97	0.445
19920418	NA	6.999464205	145.99	137.21	2.42	1.137
19920419	NA	15.05364219	78.98	69.02	1.33	0.580
19920420	NA	10.83478706	44.43	41.77	1.11	0.521
19920421	NA	16.58777133	-11.15	-11.06	0.58	0.288
19920422	NA	8.245944132	-1.41	-1.38	0.77	0.377
19920423	6.75	7.478879561	21.20	19.81	0.73	0.341
19920424	16.25	14.19069455	55.13	51.95	1.26	0.592
19920425	1.17	15.53305755	31.80	30.68	1.06	0.513

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19920426	0.03	11.6977347	38.32	36.13	1.07	0.504
19920427	NA	22.53252176	36.86	29.72	0.68	0.276
19920428	NA	19.3683804	290.61	269.63	5.62	2.605
19920429	NA	21.28604183	166.35	141.28	3.32	1.412
19920430	NA	20.7107434	0.00	#DIV/0!	0.00	#DIV/0!
19921101	NA	2.907422162	29.32	28.68	1.18	0.577
19921102	NA	1.54650115	-6.83	-6.79	0.68	0.338
19921103	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921104	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921105	NA	2.536261886	-41.15	-60.38	0.44	0.325
19921106	NA	2.598121932	-35.77	-62.33	0.25	0.221
19921107	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921108	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921109	6.38	3.154862346	46.35	42.54	0.98	0.451
19921110	0.58	2.536261886	0.00	#DIV/0!	0.00	#DIV/0!
19921111	NA	7.052045244	38.85	35.29	0.92	0.418
19921112	NA	6.1860046	11.29	11.07	1.20	0.590
19921113	NA	2.536261886	-52.22	-64.93	0.69	0.432
19921114	NA	3.959042944	-34.36	-44.59	0.40	0.258
19921115	0.32	6.619024922	-3.84	-3.53	0.27	0.122
19921116	0.99	2.536261886	23.72	22.33	0.90	0.423
19921117	NA	2.288821702	-3.42	-3.33	0.34	0.165
19921118	NA	2.350681748	2.57	2.42	0.43	0.204
19921119	NA	2.721842024	4.71	4.61	0.79	0.389
19921120	0.06	2.103241564	1.35	1.33	0.64	0.313
19921121	NA	2.103241564	-8.20	-8.20	0.81	0.406
19921122	NA	2.103241564	-23.65	-31.55	0.53	0.355
19921123	NA	2.041381518	-4.96	-7.27	0.27	0.195
19921124	NA	1.979521472	-6.07	-10.29	0.25	0.214
19921125	NA	1.85580138	-28.20	-32.72	0.70	0.403
19921126	NA	4.392063266	-29.06	-29.06	0.57	0.286
19921127	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921128	1.99	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19921129	NA	2.103241564	-18.80	-18.80	0.46	0.231
19921130	NA	2.103241564	0.00	#DIV/0!	0.00	#DIV/0!
19921201	0.62	1.014504754	25.13	24.24	1.04	0.500
19921202	NA	0.717576534	-52.34	-55.89	0.74	0.395
19921203	NA	0.742320552	-37.43	-58.44	0.25	0.193
19921204	NA	1.558873159	-108.20	-132.49	0.40	0.243
19921205	NA	#VALUE!	-88.65	-125.11	0.28	0.194
19921206	NA	0.643344478	-51.15	-71.98	0.39	0.278
19921207	NA	0.841296626	-45.77	-91.38	0.22	0.224
19921208	NA	0.643344478	-70.72	-79.47	0.38	0.212
19921209	NA	0.593856442	15.13	14.75	0.94	0.457
19921210	NA	0.940272699	0.00	#DIV/0!	0.00	#DIV/0!
19921211	NA	0.61860046	-38.65	-37.76	0.44	0.216
19921212	NA	1.039248773	-18.20	-17.95	0.75	0.370
19921213	NA	0.61860046	1.80	1.79	0.85	0.422
19921214	NA	0.519624386	-17.43	-22.19	0.33	0.209
19921215	NA	0.544368405	-22.43	-28.57	0.31	0.196
19921216	NA	0.569112423	-63.65	-89.65	0.35	0.247
19921217	NA	1.261944938	-42.43	-86.81	0.24	0.241
19921218	NA	0.544368405	-36.15	-53.02	0.46	0.334
19921219	NA	1.657849233	-120.57	-180.20	0.30	0.228
19921220	NA	1.608361196	-50.77	-73.19	0.21	0.151
19921221	NA	1.534129141	-64.01	-68.36	0.69	0.371
19921222	NA	0.76706457	-59.61	-58.46	0.44	0.216
19921223	NA	1.484641104	-235.12	-382.21	0.23	0.189
19921224	NA	0.643344478	-145.68	-143.68	0.41	0.202
19921225	NA	1.459897086	-213.67	-260.39	0.56	0.344
19921226	NA	0.965016718	-161.53	-269.68	0.28	0.234
19921227	NA	1.08873681	-40.92	-77.61	0.18	0.167
19921228	NA	0.519624386	-162.39	-317.14	0.17	0.166
19921229	NA	0.519624386	-95.08	-284.97	0.07	0.098
19921230	NA	0.519624386	-117.43	-326.73	0.07	0.104
19921231	NA	1.286688957	-258.20	-518.66	0.13	0.132

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19930101	NA	1.583617178	-74.96	-228.60	0.06	0.085
19930102	NA	0.494880368	-81.53	-99.72	0.46	0.283
19930103	NA	0.494880368	-40.92	-69.17	0.17	0.148
19930104	NA	1.410409049	0.00	#DIV/0!	0.00	#DIV/0!
19930105	NA	0.643344478	-63.84	-194.19	0.07	0.107
19930106	NA	1.534129141	-134.36	-294.80	0.13	0.143
19930107	NA	#VALUE!	-46.22	-160.16	0.06	0.098
19930108	NA	#VALUE!	-89.53	-252.21	0.07	0.104
19930109	NA	1.014504754	-218.20	-411.38	0.18	0.166
19930110	NA	1.162968865	-147.69	-337.30	0.12	0.132
19930111	NA	0.76706457	-145.02	-236.18	0.25	0.203
19930112	NA	0.371160276	-77.49	-110.63	0.55	0.396
19930113	NA	0.668088497	-81.83	-132.97	0.35	0.286
19930114	NA	0.742320552	-92.43	-222.21	0.11	0.133
19930115	NA	1.583617178	-72.86	-180.56	0.10	0.124
19930116	NA	1.410409049	-137.90	-183.65	0.43	0.286
19930117	NA	1.633105214	-167.94	-334.90	0.17	0.167
19930118	NA	0.717576534	-76.58	-134.23	0.25	0.222
19930119	NA	0.965016718	-83.65	-135.68	0.29	0.233
19930120	NA	0.841296626	-83.65	-135.68	0.28	0.225
19930121	NA	0.544368405	-7.58	-7.03	0.31	0.142
19930122	NA	1.657849233	-3.24	-3.05	0.55	0.260
19930123	NA	0.544368405	-64.01	-63.78	0.69	0.342
19930124	NA	1.534129141	-87.69	-161.03	0.22	0.204
19930125	NA	1.756825306	-98.80	-164.23	0.19	0.161
19930126	NA	0.841296626	-27.30	-26.92	1.16	0.571
19930127	NA	0.643344478	-29.10	-50.67	0.28	0.245
19930128	NA	1.608361196	-138.88	-149.89	0.37	0.200
19930129	NA	1.85580138	-145.72	-256.28	0.20	0.179
19930130	NA	1.732081288	-26.94	-26.26	0.79	0.387
19930131	NA	1.682593251	32.21	30.90	1.04	0.500
19930201	NA	1.880545398	7.69	6.69	0.40	0.173
19930202	NA	1.682593251	14.53	13.65	0.65	0.306
19930203	NA	0.915528681	-7.18	-7.18	0.24	0.119
19930204	NA	0.296928221	-5.77	-5.44	0.38	0.178
19930205	NA	1.162968865	-7.58	-7.03	0.30	0.140
19930206	NA	0.692832515	-31.15	-38.97	0.47	0.293
19930207	NA	0.692832515	-53.35	-66.83	0.51	0.321
19930208	NA	0.717576534	-42.43	-79.89	0.23	0.218
19930209	NA	0.717576534	-12.43	-15.82	0.35	0.222
19930210	NA	0.742320552	-56.83	-76.98	0.44	0.298
19930211	NA	0.965016718	-95.55	-144.47	0.51	0.382
19930212	NA	1.113480828	-45.77	-95.81	0.22	0.235
19930213	NA	1.583617178	-105.47	-205.14	0.18	0.176
19930214	NA	1.954777454	-80.77	-180.04	0.13	0.149
19930215	NA	#VALUE!	-107.43	-271.19	0.09	0.112
19930216	NA	2.202217638	-161.02	-371.58	0.10	0.118
19930217	NA	2.47440184	-226.28	-485.59	0.10	0.107
19930218	NA	2.424913803	-118.80	-242.18	0.16	0.165
19930219	NA	2.029009509	-36.22	-111.09	0.08	0.117
19930220	NA	1.509385122	-49.25	-115.11	0.16	0.185
19930221	NA	0.76706457	0.00	#DIV/0!	0.00	#DIV/0!
19930222	NA	1.063992791	-134.61	-224.25	0.22	0.187
19930223	NA	2.746586042	-198.50	-415.05	0.13	0.133
19930224	NA	2.771330061	-64.96	-190.60	0.07	0.103
19930225	NA	2.499145858	-59.40	-161.46	0.08	0.108
19930226	NA	2.845562116	-35.38	-99.10	0.08	0.107
19930227	NA	#VALUE!	-69.10	-145.16	0.16	0.168
19930228	NA	2.796074079	0.00	#DIV/0!	0.00	#DIV/0!
19930301	NA	7.237625382	4.92	4.22	0.39	0.169
19930302	NA	6.309724692	-14.53	-13.66	0.28	0.130
19930303	NA	6.866465106	-14.36	-13.74	0.50	0.241
19930304	NA	7.237625382	-16.58	-16.25	0.48	0.236
19930305	NA	7.670645704	-0.64	-0.57	0.34	0.154
19930306	NA	6.000424462	0.90	0.86	0.43	0.205
19930307	0.63	6.990185198	34.83	32.92	0.96	0.453
19930308	2.9	2.78370207	7.06	6.85	0.78	0.377
19930309	1.42	1.85580138	2.57	2.40	0.44	0.205

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19930310	NA	2.845562116	-71.79	-71.29	0.64	0.316
19930311	NA	8.66040644	-109.61	-185.72	0.28	0.240
19930312	NA	6.80460506	-106.83	-173.94	0.29	0.234
19930313	NA	9.031566716	-142.94	-266.06	0.22	0.204
19930314	NA	8.96970667	-96.58	-181.09	0.21	0.199
19930315	NA	8.103666026	-20.72	-19.49	0.61	0.287
19930316	NA	8.784126532	-77.30	-76.06	0.91	0.448
19930317	NA	9.58830713	-77.43	-175.41	0.15	0.168
19930318	NA	8.722266486	-81.83	-105.77	0.36	0.230
19930319	NA	3.278582438	-5.47	-5.27	0.54	0.259
19930320	NA	3.340442484	-10.36	-10.11	0.30	0.144
19930321	NA	5.134383818	-7.05	-7.05	0.18	0.090
19930322	NA	3.526022622	-14.36	-14.07	0.50	0.245
19930323	NA	8.35110621	14.23	12.70	0.54	0.242
19930324	4.96	4.02090299	10.60	8.83	0.36	0.149
19930325	7.59	3.40230253	11.86	10.65	0.42	0.189
19930326	16.73	10.33062768	34.23	29.26	0.69	0.293
19930327	21.32	7.918085888	20.45	15.22	0.37	0.138
19930328	13.45	10.26876764	30.60	23.62	0.53	0.205
19930329	5.94	10.0831875	18.78	13.98	0.36	0.134
19930330	2.25	4.082763036	53.85	49.81	1.06	0.489
19930331	NA	2.969282208	32.70	32.19	1.49	0.732
19930401	0.01	17.64248512	-13.46	-13.24	0.97	0.479
19930402	NA	18.0260174	-1.15	-1.08	0.67	0.313
19930403	0.71	18.12190048	7.12	5.49	0.26	0.101
19930404	1.33	18.21778355	12.95	9.84	0.31	0.118
19930405	1.76	17.73836819	35.47	29.44	0.69	0.287
19930406	1.48	15.24540834	32.57	28.19	0.70	0.302
19930407	0.09	6.232399634	21.20	20.04	0.71	0.334
19930408	NA	6.807698062	16.03	14.15	0.46	0.204
19930409	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19930410	NA	12.17715005	26.35	24.56	0.82	0.381
19930411	NA	6.136516563	52.51	50.46	1.29	0.621
19930412	NA	7.38299649	27.57	24.33	0.65	0.286
19930413	NA	10.25948863	33.85	31.69	0.88	0.411
19930414	NA	6.711814991	37.10	36.19	1.24	0.603
19930415	NA	8.15006106	113.98	111.34	2.38	1.165
19930416	NA	19.08073119	85.01	79.27	1.78	0.828
19930417	NA	19.17661426	112.61	99.99	1.96	0.870
19930418	NA	15.24540834	132.06	117.31	2.24	0.995
19930419	NA	7.862411846	114.11	111.53	2.41	1.177
19930420	NA	20.13544497	79.88	75.60	1.76	0.832
19930421	NA	21.28604183	66.35	58.94	1.27	0.565
19930422	NA	20.51897726	120.82	108.25	2.08	0.931
19930423	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19930424	NA	7.287113419	145.13	133.00	2.50	1.145
19930425	NA	21.47780797	51.35	46.51	1.03	0.469
19930426	NA	20.0395619	92.23	85.85	1.76	0.819

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19930427	NA	12.56068234	220.18	206.95	3.69	1.735
19930428	NA	20.13544497	145.94	128.44	2.43	1.071
19930429	NA	19.75191269	111.65	101.86	1.85	0.843
19930430	NA	16.20423905	0.00	#DIV/0!	0.00	#DIV/0!
19931101	NA	6.1860046	38.06	36.57	1.28	0.613
19931102	NA	7.175765336	59.71	55.35	1.24	0.574
19931103	NA	5.938564416	61.35	55.08	1.24	0.558
19931104	NA	3.216722392	50.54	46.97	1.17	0.545
19931105	NA	2.721842024	-39.37	-38.94	1.14	0.564
19931106	NA	3.154862346	-70.72	-91.35	0.40	0.256
19931107	0.47	3.959042944	13.87	13.16	0.91	0.430
19931108	NA	2.969282208	-18.80	-18.80	0.48	0.242
19931109	NA	3.031142254	18.98	17.38	0.69	0.315
19931110	NA	6.742745014	6.35	5.89	0.70	0.324
19931111	NA	2.47440184	6.35	6.03	0.68	0.323
19931112	NA	4.33020322	-23.33	-23.05	0.80	0.393
19931113	NA	2.350681748	7.76	7.60	0.83	0.409
19931114	NA	3.526022622	-15.17	-17.01	0.62	0.350
19931115	NA	6.680884968	4.28	4.11	0.72	0.348
19931116	NA	2.226961656	38.06	36.78	1.17	0.563
19931117	2.84	6.371584738	16.76	15.42	0.67	0.307
19931118	6.26	#VALUE!	56.65	53.27	1.23	0.579
19931119	2.28	6.062284508	13.41	13.24	1.47	0.725
19931120	3.2	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19931121	1.9	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19931122	0.06	2.288821702	-40.68	-40.68	0.80	0.401
19931123	NA	2.041381518	-34.16	-34.16	0.74	0.368
19931124	NA	2.041381518	-54.12	-64.47	0.95	0.565
19931125	NA	1.793941334	-124.44	-160.62	0.40	0.257
19931126	NA	4.453923312	-187.79	-351.21	0.18	0.164
19931127	NA	2.47440184	-116.58	-230.71	0.16	0.159
19931128	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19931129	NA	3.587882668	-36.58	-50.94	0.38	0.266
19931130	NA	4.02090299	0.00	#DIV/0!	0.00	#DIV/0!
19931201	NA	0.668088497	5.99	5.91	1.03	0.508
19931202	NA	0.866040644	-4.06	-4.00	0.69	0.341
19931203	NA	0.692832515	-11.75	-18.13	0.29	0.221
19931204	NA	0.668088497	-15.77	-15.77	0.34	0.171
19931205	NA	0.668088497	-4.87	-4.82	0.82	0.408
19931206	NA	1.954777454	-83.46	-105.05	0.59	0.371
19931207	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19931208	NA	1.08873681	-26.28	-25.13	0.57	0.273
19931209	NA	1.484641104	23.42	21.55	0.75	0.344
19931210	NA	1.682593251	-117.60	-116.65	0.62	0.306
19931211	NA	1.781569325	-68.65	-68.07	0.34	0.168
19931212	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19931213	NA	0.890784662	0.00	#DIV/0!	0.00	#DIV/0!
19931214	NA	0.569112423	-31.96	-37.85	0.61	0.362
19931215	NA	1.657849233	-17.94	-17.71	0.61	0.303
19931216	NA	1.08873681	-4.06	-3.96	0.68	0.333
19931217	NA	0.569112423	-3.24	-3.13	0.54	0.262
19931218	NA	0.494880368	-11.15	-11.15	0.57	0.285
19931219	NA	0.569112423	-28.91	-36.16	0.62	0.389
19931220	NA	0.593856442	-83.91	-110.15	0.41	0.269
19931221	NA	0.593856442	-31.19	-42.27	0.21	0.142
19931222	NA	0.940272699	-131.15	-265.77	0.18	0.185
19931223	NA	0.791808589	-181.68	-352.98	0.19	0.185
19931224	NA	1.162968865	-96.58	-190.70	0.20	0.202
19931225	NA	1.558873159	-211.11	-362.06	0.23	0.197
19931226	NA	1.360921012	-138.80	-322.17	0.14	0.158
19931227	NA	1.608361196	-206.15	-468.86	0.09	0.100
19931228	NA	1.23720092	-172.52	-258.78	0.21	0.154
19931229	NA	1.583617178	-212.30	-280.68	0.48	0.317
19931230	NA	0.47013635	-92.94	-92.94	0.33	0.164
19931231	NA	0.61860046	-19.74	-19.16	0.68	0.332

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19940101	NA	0.668088497	-92.94	-120.22	0.33	0.211
19940102	NA	0.593856442	-163.35	-291.29	0.22	0.195
19940103	NA	1.113480828	-219.57	-348.27	0.26	0.210
19940104	NA	0.519624386	-160.29	-292.67	0.22	0.205
19940105	NA	0.395904294	-196.66	-336.97	0.25	0.215
19940106	NA	0.593856442	-192.94	-389.34	0.13	0.135
19940107	NA	1.38566503	-281.53	-581.19	0.11	0.113
19940108	NA	0.989760736	-129.10	-357.24	0.06	0.089
19940109	NA	1.261944938	-151.15	-288.05	0.15	0.142
19940110	NA	0.61860046	-117.22	-146.16	0.44	0.274
19940111	NA	0.742320552	-123.65	-220.08	0.20	0.178
19940112	NA	1.039248773	-138.20	-208.69	0.32	0.244
19940113	NA	1.410409049	-218.20	-407.83	0.18	0.167
19940114	NA	1.608361196	-319.44	-631.89	0.11	0.106
19940115	NA	1.657849233	-236.15	-564.46	0.06	0.076
19940116	NA	0.569112423	-192.94	-392.95	0.13	0.136
19940117	NA	1.657849233	-402.04	-727.45	0.13	0.115
19940118	NA	1.657849233	-319.18	-725.61	0.06	0.066
19940119	NA	1.534129141	-96.07	-330.40	0.03	0.059
19940120	NA	1.608361196	-127.43	-329.35	0.07	0.085
19940121	NA	1.608361196	-66.15	-88.51	0.33	0.223
19940122	NA	1.435153067	-57.43	-111.76	0.19	0.181
19940123	NA	1.657849233	-47.69	-45.62	0.34	0.162
19940124	NA	1.70733727	-80.85	-120.51	0.42	0.314
19940125	NA	0.47013635	-110.68	-165.14	0.51	0.379
19940126	NA	0.791808589	-126.23	-194.05	0.48	0.366
19940127	NA	0.61860046	-118.20	-196.75	0.37	0.305
19940128	NA	0.643344478	-104.87	-164.03	0.40	0.317
19940129	NA	1.608361196	-184.61	-353.37	0.14	0.139
19940130	NA	1.85580138	-154.10	-448.94	0.04	0.060
19940131	NA	1.23720092	-110.36	-329.16	0.05	0.075
19940201	NA	1.212456902	-79.10	-182.03	0.14	0.160
19940202	NA	1.113480828	-148.50	-283.32	0.20	0.189
19940203	NA	1.930033435	-158.65	-335.97	0.14	0.151
19940204	NA	2.029009509	-131.15	-249.44	0.19	0.182
19940205	NA	1.732081288	-96.58	-184.47	0.21	0.202
19940206	NA	2.00426549	-195.72	-405.75	0.13	0.133
19940207	NA	1.039248773	-198.80	-508.53	0.07	0.085
19940208	NA	0.717576534	-213.65	-493.25	0.08	0.090
19940209	NA	2.177473619	-133.97	-422.19	0.03	0.050
19940210	NA	0.866040644	-164.87	-244.18	0.26	0.195
19940211	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940212	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940213	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940214	NA	2.251705674	-13.65	-12.95	0.57	0.269
19940215	NA	2.32593773	-42.94	-42.65	0.49	0.243
19940216	NA	2.078497546	13.85	13.02	0.73	0.342
19940217	NA	2.32593773	-8.97	-8.05	0.30	0.135
19940218	NA	1.459897086	55.13	51.82	1.30	0.610
19940219	NA	0.841296626	-5.27	-5.01	0.91	0.433
19940220	NA	2.47440184	-123.63	-211.02	0.31	0.266
19940221	NA	2.573377914	-138.91	-247.22	0.28	0.246
19940222	NA	1.583617178	-153.46	-232.95	0.41	0.310
19940223	NA	0.643344478	-142.49	-223.00	0.37	0.288
19940224	NA	2.697098006	-105.47	-208.46	0.19	0.184
19940225	NA	0.742320552	-154.18	-271.24	0.23	0.203
19940226	NA	2.721842024	-43.72	-143.65	0.06	0.097
19940227	NA	1.187712883	-67.69	-104.45	0.28	0.213
19940228	NA	1.286688957	0.00	#DIV/0!	0.00	#DIV/0!
19940301	NA	6.866465106	-24.25	-23.18	0.23	0.110
19940302	NA	6.619024922	18.85	17.36	0.76	0.351
19940303	NA	7.11390529	33.85	30.55	0.88	0.397
19940304	20.46	7.546925612	68.85	61.66	1.23	0.551
19940305	28.91	4.453923312	31.71	24.81	0.55	0.215
19940306	11.62	3.587882668	11.35	10.95	0.71	0.343
19940307	0.1	7.299485428	-42.30	-42.30	1.08	0.540
19940308	NA	8.227386118	-84.87	-122.23	0.49	0.351
19940309	NA	8.35110621	-24.25	-24.25	0.24	0.119

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19940310	NA	8.04180598	-43.24	-60.26	0.37	0.260
19940311	NA	6.928325152	-7.69	-7.22	0.53	0.247
19940312	7.01	8.165526072	9.23	8.24	0.48	0.215
19940313	13.34	7.856225842	43.17	40.21	1.02	0.477
19940314	18.05	6.433444784	109.07	104.33	2.12	1.014
19940315	5.66	8.96970667	5.99	5.87	1.06	0.521
19940316	2.29	8.536686348	5.90	5.20	0.51	0.223
19940317	4.49	5.381824002	74.17	70.06	1.57	0.741
19940318	4.56	4.206483128	51.50	47.67	1.11	0.515
19940319	5.27	5.691124232	99.43	90.10	1.72	0.779
19940320	2.33	4.33020322	26.09	25.13	0.97	0.465
19940321	2.01	9.712027222	66.35	59.09	1.18	0.527
19940322	2.34	9.402726992	82.06	74.69	1.53	0.695
19940323	0.04	4.33020322	-6.49	-6.38	1.12	0.549
19940324	NA	3.835322852	-24.87	-24.64	0.71	0.351
19940325	NA	9.217146854	4.23	3.75	0.46	0.203
19940326	NA	3.40230253	30.09	27.45	0.78	0.356
19940327	NA	5.010663726	3.85	3.71	0.67	0.325
19940328	NA	6.371584738	1.35	1.31	0.66	0.319
19940329	NA	6.062284508	-7.69	-7.47	0.53	0.256
19940330	NA	10.763648	10.09	9.16	0.63	0.288
19940331	NA	11.01108819	71.35	63.72	1.34	0.597
19940401	NA	17.16306976	96.35	83.73	1.61	0.700
19940402	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940403	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940404	NA	6.520048848	16.93	15.96	0.90	0.422
19940405	NA	17.93013433	-41.53	-40.79	0.71	0.349
19940406	NA	17.64248512	4.92	4.22	0.39	0.169
19940407	NA	10.93067013	75.13	70.11	1.53	0.712
19940408	NA	7.191230347	162.40	153.44	2.76	1.304
19940409	NA	10.83478706	109.07	104.33	2.13	1.020
19940410	NA	18.79308197	34.23	28.74	0.69	0.291
19940411	NA	18.50543276	65.39	58.90	1.24	0.561
19940412	NA	7.287113419	83.77	80.13	1.65	0.787
19940413	NA	17.3548359	95.94	85.33	1.62	0.720
19940414	NA	15.53305755	69.23	57.02	1.19	0.488
19940415	NA	7.38299649	154.82	150.89	2.84	1.385
19940416	NA	19.94367883	167.83	159.15	3.05	1.448
19940417	NA	20.32721112	98.98	83.97	1.74	0.738
19940418	NA	19.46426347	278.21	251.33	6.04	2.730
19940419	NA	21.28604183	153.51	145.03	2.75	1.301
19940420	NA	10.93067013	25.04	20.39	0.52	0.212
19940421	NA	20.7107434	54.23	45.57	0.95	0.399
19940422	NA	21.76545718	80.90	65.69	1.44	0.584
19940423	NA	18.50543276	340.63	320.87	6.76	3.186
19940424	NA	9.108891773	238.47	213.08	4.90	2.190
19940425	NA	7.287113419	131.95	122.65	2.22	1.032
19940426	NA	10.06772249	144.22	137.31	2.51	1.197

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19940427	NA	8.054177989	52.51	50.32	1.29	0.620
19940428	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19940429	1.31	10.83478706	11.35	10.77	0.70	0.331
19940430	NA	11.41008548	0.00	#DIV/0!	0.00	#DIV/0!
19941101	NA	6.433444784	91.80	85.29	1.70	0.791
19941102	NA	4.701363496	65.82	61.36	1.38	0.642
19941103	NA	2.721842024	20.01	19.51	1.12	0.544
19941104	NA	3.773462806	16.76	15.49	0.69	0.317
19941105	NA	2.659981978	29.23	24.79	0.64	0.271
19941106	NA	7.546925612	38.98	34.88	0.85	0.379
19941107	NA	6.371584738	145.13	132.25	2.40	1.092
19941108	NA	3.71160276	46.35	43.03	0.97	0.451
19941109	NA	6.80460506	28.53	23.57	0.62	0.255
19941110	NA	5.691124232	53.85	48.63	1.07	0.483
19941111	NA	3.154862346	70.56	67.46	1.48	0.710
19941112	NA	2.350681748	91.80	85.49	1.62	0.754
19941113	NA	2.288821702	212.70	202.17	3.54	1.684
19941114	NA	5.134383818	55.73	53.67	1.58	0.762
19941115	NA	6.557164876	10.60	8.53	0.35	0.140
19941116	NA	5.010663726	91.54	86.83	1.81	0.860
19941117	NA	3.773462806	197.44	190.85	3.39	1.638
19941118	NA	2.16510161	3.75	3.71	1.88	0.929
19941119	NA	4.825083588	-9.10	-8.42	0.38	0.176
19941120	NA	2.288821702	23.72	22.70	0.92	0.439
19941121	NA	2.598121932	-34.09	-33.78	1.14	0.567
19941122	NA	6.062284508	-37.60	-37.03	0.96	0.471
19941123	2.47	5.629264186	13.85	12.75	0.74	0.341
19941124	3.09	5.56740414	23.72	22.25	0.89	0.418
19941125	NA	5.443684048	-5.47	-5.13	0.53	0.251
19941126	NA	2.536261886	-13.46	-13.32	0.96	0.477
19941127	NA	3.464162576	-23.54	-23.49	1.21	0.605
19941128	NA	2.412541794	-28.71	-28.63	0.99	0.493
19941129	NA	4.577643404	-48.65	-71.43	0.41	0.300
19941130	NA	5.319963956	-27.43	-26.54	0.28	0.138
19941201	NA	1.311432975	33.85	31.42	0.90	0.419
19941202	1.05	1.880545398	7.69	6.64	0.40	0.172
19941203	0.55	0.61860046	-4.81	-4.46	0.32	0.149
19941204	0.02	0.569112423	-56.83	-56.83	0.43	0.215
19941205	NA	1.261944938	-158.20	-280.44	0.28	0.245
19941206	NA	1.435153067	-138.91	-250.26	0.28	0.250
19941207	NA	1.039248773	-73.65	-125.28	0.32	0.271
19941208	NA	0.841296626	-63.24	-101.34	0.28	0.226
19941209	NA	1.286688957	-58.65	-67.29	0.36	0.207
19941210	NA	0.940272699	-165.12	-234.80	0.36	0.258
19941211	NA	1.732081288	-118.80	-242.18	0.16	0.162
19941212	NA	1.70733727	-49.10	-92.53	0.21	0.195
19941213	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19941214	NA	0.569112423	-83.91	-133.54	0.40	0.316
19941215	NA	0.569112423	-59.61	-84.09	0.42	0.297
19941216	NA	0.569112423	-26.15	-25.07	0.49	0.234
19941217	NA	0.668088497	-31.15	-30.89	0.47	0.234
19941218	NA	1.682593251	-49.91	-76.88	0.33	0.256
19941219	NA	1.286688957	-40.17	-39.40	0.51	0.252
19941220	NA	1.484641104	-25.77	-32.83	0.30	0.188
19941221	NA	0.915528681	-18.65	-17.78	0.52	0.248
19941222	NA	1.138224846	-3.65	-3.52	0.60	0.289
19941223	NA	1.534129141	2.82	2.37	0.29	0.123
19941224	1	1.558873159	25.64	23.49	0.74	0.340
19941225	4.23	1.08873681	34.53	31.50	0.82	0.376
19941226	5.31	1.212456902	45.64	40.85	0.91	0.409
19941227	3.49	1.23720092	43.85	40.11	0.95	0.434
19941228	NA	1.286688957	-34.87	-34.87	0.68	0.339
19941229	NA	0.668088497	-38.07	-38.07	0.59	0.295
19941230	NA	0.445392331	-31.83	-35.72	0.54	0.302
19941231	NA	1.410409049	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19950101	NA	0.668088497	-106.83	-177.56	0.29	0.240
19950102	NA	0.593856442	-114.46	-185.99	0.33	0.265
19950103	NA	1.113480828	-204.01	-331.02	0.29	0.237
19950104	NA	1.039248773	-198.20	-348.53	0.21	0.184
19950105	NA	0.569112423	-187.15	-227.02	0.61	0.368
19950106	NA	0.519624386	-131.66	-170.00	0.39	0.249
19950107	NA	1.534129141	-121.15	-219.51	0.21	0.186
19950108	NA	1.113480828	-117.94	-203.54	0.26	0.227
19950109	NA	0.494880368	-76.15	-129.56	0.31	0.265
19950110	NA	0.643344478	-81.11	-110.58	0.55	0.373
19950111	0.32	0.197952147	1.65	1.59	0.78	0.378
19950112	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19950113	0.02	1.113480828	-34.61	-34.38	0.52	0.260
19950114	NA	0.915528681	-54.06	-83.62	0.45	0.351
19950115	NA	0.866040644	0.00	#DIV/0!	0.00	#DIV/0!
19950116	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19950117	NA	0.494880368	-65.76	-65.27	1.01	0.503
19950118	NA	1.608361196	-42.94	-42.12	0.50	0.245
19950119	NA	1.484641104	-74.36	-141.67	0.25	0.241
19950120	NA	1.558873159	-131.66	-211.78	0.39	0.315
19950121	NA	1.138224846	0.00	#DIV/0!	0.00	#DIV/0!
19950122	NA	0.692832515	0.00	#DIV/0!	0.00	#DIV/0!
19950123	NA	1.70733727	-103.24	-204.02	0.19	0.189
19950124	NA	1.08873681	-25.38	-54.29	0.10	0.111
19950125	NA	0.816552607	-26.07	-57.24	0.16	0.178
19950126	NA	1.23720092	-11.75	-10.44	0.29	0.129
19950127	0.18	1.459897086	-9.61	-9.23	0.67	0.323
19950128	0.02	0.692832515	-31.15	-31.15	0.50	0.248
19950129	NA	0.61860046	-74.36	-130.31	0.26	0.228
19950130	NA	1.336176994	-56.41	-54.27	0.52	0.252
19950131	2.07	1.38566503	37.61	34.70	0.99	0.458
19950201	0.27	0.643344478	-12.43	-12.03	0.37	0.180
19950202	NA	1.85580138	-4.81	-4.60	0.33	0.157
19950203	NA	1.113480828	-82.45	-82.25	0.80	0.397
19950204	NA	1.781569325	-142.49	-226.25	0.37	0.297
19950205	NA	1.979521472	-89.91	-174.58	0.23	0.224
19950206	NA	1.039248773	-18.03	-64.70	0.07	0.119
19950207	NA	1.360921012	-195.78	-263.91	0.46	0.311
19950208	NA	1.608361196	-68.65	-66.60	0.34	0.167
19950209	NA	0.890784662	9.83	9.50	0.78	0.378
19950210	NA	1.509385122	0.00	#DIV/0!	0.00	#DIV/0!
19950211	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19950212	NA	2.251705674	-181.53	-315.21	0.24	0.205
19950213	NA	2.251705674	-169.46	-309.63	0.21	0.195
19950214	NA	0.989760736	-106.83	-170.09	0.28	0.225
19950215	NA	1.484641104	-114.87	-152.22	0.37	0.247
19950216	NA	1.459897086	-69.91	-69.17	0.27	0.132
19950217	0.43	2.177473619	4.28	3.97	0.73	0.338
19950218	6.28	1.187712883	18.85	17.23	0.78	0.355
19950219	1.25	1.954777454	-5.77	-5.03	0.40	0.173
19950220	0.49	1.70733727	-2.17	-2.12	1.20	0.588
19950221	1.89	1.410409049	19.98	18.56	0.93	0.432
19950222	1.46	1.162968865	19.23	16.97	0.55	0.243
19950223	0.25	2.32593773	-19.82	-19.57	1.00	0.493
19950224	0.59	1.360921012	7.87	7.20	0.61	0.281
19950225	0.62	0.989760736	30.88	30.06	1.43	0.695
19950226	NA	0.965016718	-22.79	-22.79	0.67	0.334
19950227	NA	1.930033435	-124.44	-174.21	0.41	0.285
19950228	NA	2.919794171	0.00	#DIV/0!	0.00	#DIV/0!
19950301	NA	7.485065566	-169.46	-306.05	0.21	0.190
19950302	NA	7.546925612	-85.47	-126.29	0.23	0.168
19950303	NA	7.608785658	-28.65	-27.32	0.51	0.244
19950304	NA	3.278582438	-84.61	-123.82	0.34	0.250
19950305	NA	2.598121932	-84.61	-145.61	0.33	0.288
19950306	NA	6.433444784	-111.41	-192.71	0.32	0.279
19950307	NA	6.80460506	-184.87	-324.77	0.22	0.194
19950308	NA	8.289246164	-176.15	-377.20	0.12	0.123
19950309	NA	4.577643404	-148.07	-236.78	0.24	0.195

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19950310	NA	7.42320552	-8.20	-7.83	0.83	0.395
19950311	22.6	8.04180598	85.13	78.74	1.58	0.729
19950312	3.71	2.907422162	188.77	175.37	3.18	1.478
19950313	NA	3.154862346	121.80	112.97	2.01	0.934
19950314	NA	3.526022622	24.74	16.54	0.40	0.132
19950315	NA	7.918085888	31.28	22.42	0.50	0.180
19950316	NA	5.443684048	56.16	42.25	0.92	0.346
19950317	NA	7.73250575	98.72	88.58	1.67	0.749
19950318	NA	4.94880368	54.53	49.37	1.01	0.457
19950319	NA	3.278582438	51.35	46.97	1.04	0.474
19950320	NA	3.278582438	25.13	24.24	1.03	0.495
19950321	NA	7.979945934	44.43	41.40	1.14	0.532
19950322	NA	6.247864646	38.32	36.37	1.08	0.515
19950323	NA	5.87670437	25.90	22.86	0.62	0.274
19950324	NA	9.773887268	63.42	56.41	1.11	0.493
19950325	NA	4.392063266	60.43	58.49	1.45	0.704
19950326	NA	3.773462806	97.44	95.64	2.17	1.063
19950327	NA	3.40230253	45.05	44.09	1.52	0.744
19950328	NA	4.144623082	15.39	14.79	0.80	0.383
19950329	NA	4.206483128	3.42	3.30	0.60	0.288
19950330	NA	6.371584738	-22.79	-25.15	0.65	0.360
19950331	NA	4.206483128	9.83	9.41	0.82	0.391
19950401	NA	8.054177989	37.61	35.28	1.00	0.468
19950402	NA	12.3689162	98.47	90.16	1.80	0.822
19950403	NA	12.65656541	82.02	78.39	2.01	0.960
19950404	NA	18.50543276	-83.46	-83.46	0.66	0.329
19950405	NA	10.83478706	78.04	70.69	1.51	0.685
19950406	NA	17.06718669	38.32	36.13	1.09	0.515
19950407	NA	8.341827203	40.39	38.33	1.02	0.485
19950408	NA	9.300657916	26.09	25.13	0.96	0.462
19950409	NA	11.21831934	13.41	13.31	1.62	0.804
19950410	NA	8.725359488	-27.30	-27.30	1.12	0.560
19950411	NA	6.328282706	1.80	1.79	0.87	0.434
19950412	NA	6.328282706	15.39	14.86	0.81	0.392
19950413	3.5	19.27249733	59.71	55.21	1.25	0.577
19950414	29.58	18.0260174	126.84	120.36	2.36	1.122
19950415	18.33	8.917125631	127.70	123.67	2.55	1.236
19950416	4.93	5.752984278	22.57	20.42	0.59	0.265
19950417	2.8	6.999464205	36.35	34.03	0.90	0.422
19950418	1.47	6.61593192	57.70	56.60	1.71	0.840
19950419	2.35	20.42309419	68.17	62.03	1.28	0.582
19950420	1.67	9.108891773	58.47	55.71	1.31	0.622
19950421	0.33	9.108891773	81.09	74.82	1.46	0.671
19950422	NA	21.66957411	70.94	64.39	1.36	0.618
19950423	NA	19.94367883	70.09	60.76	1.19	0.517
19950424	NA	15.43717448	81.39	76.88	1.57	0.743
19950425	NA	14.28657762	70.09	61.07	1.22	0.532
19950426	NA	13.7112792	54.28	50.40	1.15	0.533

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19950427	NA	12.84833155	50.09	44.39	1.00	0.444
19950428	NA	20.32721112	42.42	34.00	0.75	0.302
19950429	NA	9.300657916	49.23	42.65	0.89	0.386
19950430	NA	18.0260174	0.00	#DIV/0!	0.00	#DIV/0!
19951101	NA	2.721842024	9.83	9.65	0.77	0.376
19951102	NA	2.845562116	-44.67	-44.36	0.99	0.491
19951103	NA	2.845562116	-139.82	-192.21	0.55	0.381
19951104	NA	8.165526072	-68.63	-67.87	0.47	0.231
19951105	2.13	2.78370207	55.73	54.19	1.56	0.758
19951106	8.13	5.072523772	21.35	20.07	0.78	0.367
19951107	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19951108	NA	5.87670437	-36.15	-41.43	0.48	0.273
19951109	1.47	5.629264186	44.88	42.82	1.34	0.641
19951110	NA	4.825083588	-59.82	-59.20	0.85	0.421
19951111	NA	7.175765336	-94.87	-129.62	0.46	0.316
19951112	NA	3.154862346	-25.47	-25.47	0.47	0.235
19951113	NA	4.701363496	-10.77	-10.58	0.37	0.183
19951114	NA	2.226961656	-15.92	-21.52	0.27	0.185
19951115	0.12	2.47440184	7.87	7.31	0.63	0.292
19951116	0.08	5.010663726	-9.91	-9.63	0.54	0.261
19951117	0.1	2.845562116	7.87	7.53	0.65	0.311
19951118	1.04	2.288821702	30.09	27.33	0.81	0.368
19951119	0.97	4.02090299	27.87	24.93	0.77	0.346
19951120	0.1	2.350681748	20.18	19.83	1.32	0.651
19951121	NA	6.1860046	-48.20	-55.96	0.65	0.376
19951122	NA	5.752984278	-44.87	-44.25	0.66	0.327
19951123	NA	5.319963956	-101.28	-177.43	0.31	0.274
19951124	NA	2.598121932	-10.57	-10.03	0.77	0.368
19951125	NA	4.701363496	-36.15	-36.15	0.47	0.235
19951126	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19951127	NA	#VALUE!	-158.01	-197.73	0.55	0.341
19951128	NA	3.278582438	-50.64	-113.30	0.15	0.172
19951129	NA	2.103241564	-37.43	-65.25	0.26	0.223
19951130	5.54	3.278582438	0.00	#DIV/0!	0.00	#DIV/0!
19951201	0.13	2.103241564	-22.79	-22.67	0.68	0.339
19951202	0.06	1.113480828	7.76	7.50	0.87	0.420
19951203	NA	1.831057362	-8.20	-7.93	0.80	0.386
19951204	NA	0.841296626	-1.41	-1.34	0.79	0.375
19951205	NA	1.979521472	0.00	#DIV/0!	0.00	#DIV/0!
19951206	NA	1.930033435	-79.57	-93.48	0.68	0.398
19951207	NA	1.930033435	-56.58	-78.93	0.34	0.239
19951208	NA	0.247440184	-195.78	-227.93	0.43	0.253
19951209	NA	1.063992791	-318.56	-518.63	0.25	0.201
19951210	NA	1.806313343	-176.28	-364.78	0.16	0.167
19951211	NA	0.76706457	-92.31	-272.13	0.07	0.108
19951212	NA	0.791808589	-156.15	-333.68	0.14	0.153
19951213	NA	0.76706457	-126.49	-144.41	0.59	0.334
19951214	NA	1.682593251	0.00	#DIV/0!	0.00	#DIV/0!
19951215	NA	1.657849233	-59.10	-123.97	0.19	0.202
19951216	NA	1.608361196	-73.65	-112.39	0.34	0.259
19951217	NA	1.063992791	-45.77	-91.38	0.23	0.225
19951218	NA	0.915528681	-68.63	-104.66	0.47	0.358
19951219	NA	0.791808589	-88.20	-135.36	0.46	0.354
19951220	NA	1.509385122	-62.39	-96.58	0.43	0.333
19951221	NA	1.212456902	-76.58	-148.47	0.26	0.255
19951222	NA	0.544368405	-76.58	-143.28	0.25	0.235
19951223	NA	0.569112423	-35.77	-51.47	0.26	0.185
19951224	NA	0.668088497	-59.46	-83.72	0.50	0.352
19951225	NA	1.484641104	-43.65	-66.44	0.44	0.332
19951226	NA	0.519624386	-41.53	-45.24	0.65	0.354
19951227	NA	1.360921012	-74.36	-133.43	0.26	0.233
19951228	NA	1.336176994	-66.15	-82.93	0.34	0.214
19951229	NA	0.519624386	-44.18	-43.47	0.56	0.276
19951230	NA	0.519624386	-42.31	-86.82	0.17	0.177
19951231	NA	0.544368405	-15.77	-20.07	0.34	0.219

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19960101	NA	0.494880368	-14.36	-16.88	0.49	0.290
19960102	NA	1.360921012	-144.87	-192.29	0.31	0.203
19960103	NA	1.435153067	-97.43	-237.35	0.11	0.130
19960104	NA	1.484641104	-161.15	-323.82	0.14	0.139
19960105	NA	1.212456902	-196.58	-484.17	0.07	0.083
19960106	NA	1.534129141	-154.10	-448.94	0.04	0.064
19960107	NA	1.534129141	-100.64	-268.97	0.06	0.082
19960108	NA	0.940272699	-51.28	-50.60	0.47	0.231
19960109	NA	1.261944938	-13.63	-13.41	0.71	0.348
19960110	NA	0.519624386	1.50	1.47	0.72	0.354
19960111	NA	0.519624386	-10.77	-10.42	0.37	0.178
19960112	4	1.113480828	-3.65	-3.59	0.62	0.307
19960113	8.79	1.435153067	20.19	17.15	0.51	0.215
19960114	NA	0.841296626	-109.99	-109.54	0.45	0.225
19960115	NA	0.866040644	-154.87	-234.11	0.28	0.214
19960116	NA	0.519624386	-25.85	-25.09	0.64	0.312
19960117	NA	0.544368405	-148.20	-240.17	0.30	0.241
19960118	NA	0.668088497	-558.75	-796.48	0.25	0.175
19960119	NA	1.657849233	-237.39	-506.14	0.09	0.096
19960120	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19960121	NA	0.866040644	-63.65	-61.75	0.36	0.172
19960122	NA	1.113480828	-188.20	-330.71	0.22	0.192
19960123	NA	1.039248773	-166.15	-364.81	0.13	0.147
19960124	NA	1.732081288	-148.65	-320.28	0.15	0.167
19960125	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19960126	NA	0.791808589	-297.77	-580.74	0.12	0.120
19960127	NA	1.583617178	-231.53	-444.23	0.16	0.157
19960128	NA	0.717576534	-161.53	-257.92	0.27	0.217
19960129	NA	1.831057362	-289.57	-522.39	0.16	0.144
19960130	NA	1.880545398	-226.15	-539.97	0.07	0.084
19960131	NA	1.732081288	-196.15	-432.04	0.10	0.106
19960201	NA	1.930033435	-253.65	-614.69	0.05	0.063
19960202	NA	1.979521472	-243.24	-646.45	0.04	0.060
19960203	NA	1.583617178	-164.10	-481.80	0.04	0.056
19960204	NA	1.930033435	-138.80	-275.39	0.13	0.127
19960205	NA	2.00426549	-95.77	-233.22	0.11	0.134
19960206	NA	#VALUE!	-37.39	-35.75	0.53	0.253
19960207	0.03	1.880545398	33.85	31.55	0.91	0.422
19960208	7.87	1.979521472	26.35	24.77	0.83	0.390
19960209	12.78	1.113480828	29.23	25.08	0.64	0.274
19960210	6.11	0.668088497	63.94	61.90	1.67	0.810
19960211	0.01	0.76706457	-63.56	-71.59	0.90	0.505
19960212	NA	1.831057362	-29.06	-28.19	0.58	0.279
19960213	2.53	1.657849233	25.13	24.41	1.05	0.512
19960214	NA	1.08873681	-25.12	-24.57	0.89	0.437
19960215	NA	1.534129141	-56.23	-56.03	0.74	0.369
19960216	NA	1.930033435	-101.28	-164.82	0.31	0.254
19960217	NA	2.32593773	-109.99	-109.54	0.47	0.234
19960218	NA	1.286688957	-54.36	-53.78	0.33	0.161
19960219	11.58	1.85580138	43.17	39.47	1.07	0.491
19960220	1.26	2.424913803	13.87	13.26	0.88	0.419
19960221	0.72	1.979521472	7.06	6.69	0.82	0.391
19960222	0.28	0.841296626	-23.33	-22.97	0.81	0.399
19960223	1.86	0.989760736	-1.66	-1.64	0.95	0.469
19960224	2.68	2.62286595	33.85	31.55	0.90	0.418
19960225	0.1	#VALUE!	-37.77	-37.33	0.75	0.371
19960226	NA	0.965016718	-153.16	-214.03	0.51	0.354
19960227	NA	0.890784662	-174.99	-285.94	0.29	0.233
19960228	NA	2.62286595	-282.04	-470.93	0.25	0.206
19960229	NA	2.895050153	-168.20	-272.96	0.26	0.213
19960301	NA	5.629264186	-87.39	-138.91	0.36	0.283
19960302	NA	6.928325152	-242.30	-342.85	0.41	0.291
19960303	NA	7.608785658	-98.65	-150.87	0.26	0.199
19960304	NA	4.453923312	-38.65	-37.76	0.45	0.219
19960305	NA	5.319963956	-120.83	-182.96	0.43	0.323
19960306	NA	6.124144554	-231.23	-379.96	0.24	0.196
19960307	NA	8.04180598	-250.83	-463.84	0.18	0.170
19960308	NA	6.990185198	-181.53	-303.50	0.24	0.201

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19960309	NA	8.35110621	-40.92	-40.92	0.18	0.088
19960310	7.74	5.87670437	23.62	22.40	1.12	0.533
19960311	2.11	4.94880368	113.89	106.26	2.04	0.951
19960312	0.11	6.309724692	111.65	101.42	1.95	0.885
19960313	NA	8.536686348	70.09	60.91	1.24	0.537
19960314	NA	8.412966256	41.80	39.60	1.16	0.547
19960315	NA	8.96970667	47.48	44.51	1.15	0.540
19960316	NA	7.670645704	18.17	17.38	0.84	0.403
19960317	NA	6.124144554	15.39	14.66	0.81	0.385
19960318	NA	6.371584738	-34.87	-37.97	0.68	0.372
19960319	NA	3.71160276	-68.28	-74.37	0.87	0.472
19960320	1.31	9.526447084	-37.30	-36.92	1.15	0.569
19960321	NA	7.918085888	-25.85	-25.44	0.70	0.346
19960322	NA	10.02132745	-3.42	-3.07	0.37	0.164
19960323	NA	5.072523772	20.94	20.04	0.86	0.414
19960324	NA	3.340442484	-106.06	-105.55	0.71	0.352
19960325	NA	9.031566716	-289.73	-370.82	0.60	0.386
19960326	NA	10.57806787	-123.50	-196.89	0.26	0.209
19960327	0.79	10.02132745	4.71	4.50	0.84	0.400
19960328	8.84	10.26876764	4.23	3.78	0.46	0.203
19960329	4.53	9.2790069	53.59	50.24	1.27	0.594
19960330	0.3	3.959042944	5.56	5.40	0.98	0.478
19960331	0.22	11.19666833	0.00	#DIV/0!	0.00	#DIV/0!
19960401	0.46	10.64302091	23.85	22.05	0.84	0.390
19960402	NA	13.32774691	64.32	61.12	1.57	0.748
19960403	NA	6.136516563	-2.17	-2.15	1.24	0.611
19960404	NA	9.396540987	-12.49	-12.35	0.88	0.437
19960405	NA	16.39600519	-3.65	-3.45	0.64	0.301
19960406	NA	13.23186384	12.31	11.22	0.66	0.300
19960407	NA	12.08126698	12.57	11.09	0.51	0.224
19960408	NA	18.6971989	15.04	12.17	0.40	0.162
19960409	NA	18.98484812	18.78	13.92	0.37	0.138
19960410	NA	17.73836819	169.71	149.89	3.08	1.361
19960411	NA	14.19069455	128.47	117.24	2.24	1.020
19960412	NA	6.711814991	29.24	28.82	1.56	0.767
19960413	NA	7.862411846	-4.46	-4.37	0.77	0.375
19960414	NA	6.999464205	12.61	12.24	0.78	0.378
19960415	NA	15.14952527	100.18	95.65	1.95	0.929
19960416	NA	20.61486033	59.71	54.79	1.29	0.593
19960417	NA	20.32721112	193.51	179.91	3.35	1.556
19960418	NA	9.684190201	133.04	120.39	2.24	1.012
19960419	NA	18.6971989	91.80	85.69	1.66	0.775
19960420	NA	11.88950084	104.62	99.90	2.07	0.987
19960421	NA	13.23186384	57.06	52.65	1.16	0.533
19960422	NA	10.83478706	38.32	36.13	1.08	0.512
19960423	NA	21.66957411	73.85	64.68	1.28	0.559
19960424	NA	14.86187605	145.13	130.87	2.37	1.068
19960425	NA	13.90304534	147.44	142.31	2.77	1.335

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)				
			u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19960426	NA	20.99839261	59.22	57.33	1.72	0.834
19960427	NA	15.72482369	35.04	27.15	0.65	0.251
19960428	NA	19.27249733	68.85	61.01	1.28	0.566
19960429	NA	11.6977347	79.28	71.79	1.49	0.674
19960430	NA	21.76545718	88.47	81.31	1.73	0.793
19961101	NA	5.443684048	-56.41	-70.67	0.51	0.316
19961102	0.9	4.33020322	-18.80	-17.45	0.48	0.223
19961103	3.93	8.165526072	67.87	58.82	1.23	0.533
19961104	NA	2.041381518	41.20	37.43	0.87	0.393
19961105	NA	2.659981978	43.42	39.30	0.88	0.399
19961106	NA	2.659981978	54.28	50.24	1.11	0.515
19961107	NA	6.49530483	43.42	38.73	0.91	0.405
19961108	NA	2.721842024	21.80	21.03	1.00	0.484
19961109	NA	2.47440184	-36.79	-36.53	0.84	0.416
19961110	NA	2.350681748	-65.57	-99.98	0.50	0.382
19961111	NA	3.278582438	-73.65	-119.35	0.34	0.273
19961112	NA	4.825083588	-43.69	-92.57	0.17	0.178
19961113	NA	6.062284508	0.00	#DIV/0!	0.00	#DIV/0!
19961114	NA	#VALUE!	-74.74	-98.06	0.45	0.295
19961115	NA	1.793941334	-21.23	-21.09	0.85	0.424
19961116	NA	1.54650115	-26.94	-26.83	0.76	0.380
19961117	NA	1.670221242	-129.67	-168.57	0.63	0.408
19961118	NA	2.350681748	-69.91	-128.13	0.27	0.248
19961119	NA	2.288821702	-43.69	-97.64	0.17	0.194
19961120	NA	4.392063266	-51.28	-77.18	0.45	0.342
19961121	NA	1.85580138	-70.77	-148.70	0.15	0.159
19961122	NA	2.041381518	-68.69	-175.37	0.11	0.135
19961123	NA	2.288821702	-117.52	-197.48	0.31	0.258
19961124	NA	4.206483128	-125.47	-259.44	0.14	0.146
19961125	NA	5.25810391	-143.24	-314.63	0.12	0.128
19961126	NA	5.56740414	-112.43	-284.04	0.08	0.103
19961127	NA	2.598121932	-46.47	-101.31	0.16	0.169
19961128	NA	3.587882668	-18.65	-18.10	0.54	0.263
19961129	NA	1.917661426	-3.24	-3.11	0.54	0.259
19961130	NA	1.85580138	-45.72	-66.72	0.48	0.352
19961201	NA	0.371160276	-71.68	-106.78	0.47	0.347
19961202	NA	1.336176994	-34.55	-111.51	0.08	0.128
19961203	NA	0.989760736	-54.81	-116.35	0.13	0.142
19961204	NA	0.742320552	-41.15	-51.51	0.43	0.267
19961205	NA	0.593856442	-32.58	-70.85	0.20	0.222
19961206	NA	1.039248773	-29.91	-35.20	0.42	0.245
19961207	NA	1.187712883	-45.72	-61.89	0.49	0.334
19961208	NA	0.643344478	-86.96	-135.70	0.40	0.314
19961209	NA	0.816552607	-48.50	-48.50	0.47	0.236
19961210	NA	0.643344478	-27.69	-35.92	0.43	0.278
19961211	NA	0.47013635	-25.85	-25.57	0.64	0.315
19961212	NA	0.866040644	-3.24	-3.08	0.54	0.256
19961213	NA	0.569112423	-21.22	-55.62	0.11	0.148
19961214	NA	0.569112423	-91.15	-147.95	0.26	0.210
19961215	NA	0.692832515	-88.33	-120.47	0.51	0.349
19961216	NA	0.445392331	-68.63	-68.23	0.46	0.230
19961217	NA	1.187712883	-70.08	-188.46	0.10	0.140
19961218	NA	0.296928221	-187.39	-394.57	0.14	0.147
19961219	NA	1.212456902	-226.28	-502.74	0.10	0.106
19961220	NA	0.494880368	-140.17	-212.41	0.22	0.165
19961221	NA	0.544368405	-115.17	-140.41	0.27	0.165
19961222	NA	0.519624386	-167.69	-408.77	0.09	0.106
19961223	NA	1.286688957	-238.20	-474.51	0.15	0.147
19961224	NA	1.311432975	-304.99	-598.95	0.11	0.113
19961225	NA	1.187712883	-115.92	-363.97	0.05	0.072
19961226	NA	1.583617178	-67.88	-265.09	0.03	0.057
19961227	NA	0.544368405	-123.24	-251.37	0.15	0.152
19961228	NA	0.791808589	-68.29	-214.61	0.06	0.099
19961229	NA	0.61860046	-166.15	-367.78	0.13	0.144
19961230	NA	0.593856442	-94.10	-229.11	0.11	0.133
19961231	NA	0.519624386	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19970101	NA	0.989760736	-14.10	-13.64	0.34	0.166
19970102	NA	0.569112423	8.38	7.09	0.34	0.143
19970103	NA	0.445392331	-5.77	-5.39	0.39	0.181
19970104	NA	0.296928221	-96.62	-96.15	0.74	0.369
19970105	NA	0.346416258	-247.73	-382.06	0.35	0.269
19970106	NA	1.534129141	-179.06	-370.62	0.15	0.158
19970107	NA	1.187712883	-60.36	-109.16	0.13	0.114
19970108	NA	0.742320552	-52.13	-76.80	0.33	0.246
19970109	NA	0.420648313	-85.77	-184.41	0.12	0.131
19970110	NA	0.841296626	-316.79	-604.33	0.14	0.130
19970111	NA	0.965016718	-294.87	-616.61	0.10	0.103
19970112	NA	0.866040644	-193.65	-433.29	0.09	0.106
19970113	NA	1.608361196	-152.13	-350.69	0.11	0.122
19970114	NA	0.47013635	-74.25	-186.96	0.10	0.122
19970115	NA	0.296928221	-192.34	-296.77	0.30	0.233
19970116	NA	1.657849233	-317.60	-543.31	0.21	0.176
19970117	NA	1.682593251	-237.39	-537.97	0.09	0.102
19970118	NA	0.593856442	-64.53	-132.95	0.12	0.121
19970119	NA	1.113480828	-14.10	-13.46	0.34	0.164
19970120	NA	1.138224846	-12.73	-11.95	0.21	0.099
19970121	NA	0.569112423	-11.53	-11.20	0.78	0.378
19970122	NA	0.395904294	-124.44	-123.92	0.40	0.199
19970123	NA	0.692832515	-160.29	-265.92	0.22	0.182
19970124	NA	1.212456902	-160.29	-270.25	0.21	0.181
19970125	NA	1.459897086	-288.20	-595.26	0.10	0.106
19970126	NA	0.519624386	-132.43	-366.67	0.06	0.083
19970127	NA	1.70733727	-217.94	-474.15	0.10	0.112
19970128	NA	1.410409049	-106.19	-318.97	0.06	0.085
19970129	NA	1.08873681	-136.58	-305.81	0.13	0.143
19970130	NA	1.38566503	-54.36	-51.63	0.33	0.155
19970131	NA	0.643344478	29.28	27.78	0.93	0.441
19970201	NA	0.643344478	1.71	1.49	0.29	0.126
19970202	NA	1.608361196	-14.10	-17.94	0.35	0.222
19970203	NA	1.014504754	-13.14	-20.28	0.27	0.212
19970204	NA	0.494880368	-52.34	-65.81	0.73	0.459
19970205	NA	0.692832515	-46.15	-72.53	0.41	0.321
19970206	NA	1.286688957	-46.15	-67.75	0.41	0.301
19970207	NA	0.717576534	-89.91	-171.61	0.21	0.203
19970208	NA	2.00426549	-64.53	-159.66	0.11	0.138
19970209	NA	1.979521472	-65.47	-111.66	0.28	0.236
19970210	NA	0.643344478	-61.75	-152.70	0.12	0.154
19970211	NA	0.544368405	-64.53	-159.66	0.12	0.143
19970212	NA	2.276449693	-95.77	-217.55	0.10	0.119
19970213	NA	0.915528681	-93.07	-122.24	0.38	0.247
19970214	NA	1.633105214	-84.87	-108.30	0.47	0.297
19970215	NA	1.311432975	-45.08	-103.10	0.17	0.189
19970216	NA	1.905289417	-111.15	-189.73	0.22	0.188
19970217	NA	1.311432975	1.65	1.58	0.79	0.376
19970218	NA	1.633105214	3.85	3.62	0.66	0.308
19970219	NA	2.251705674	-37.39	-36.47	0.53	0.257
19970220	NA	1.435153067	19.98	19.24	0.92	0.444
19970221	NA	0.841296626	-83.46	-93.92	0.61	0.346
19970222	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19970223	NA	2.721842024	-120.72	-211.85	0.25	0.219
19970224	NA	2.672353987	-77.43	-183.29	0.13	0.160
19970225	NA	2.573377914	-44.57	-43.57	0.77	0.377
19970226	NA	2.00426549	-54.06	-60.71	0.45	0.255
19970227	NA	0.841296626	-71.15	-112.07	0.33	0.258
19970228	NA	0.989760736	-19.72	-19.56	0.80	0.395
19970301	NA	2.288821702	-47.24	-46.48	0.54	0.266
19970302	NA	6.80460506	-47.43	-86.27	0.22	0.199
19970303	NA	2.350681748	-10.57	-10.31	0.71	0.344
19970304	NA	1.422781058	-71.15	-70.55	0.33	0.162
19970305	NA	5.691124232	-103.24	-185.85	0.19	0.171
19970306	NA	8.04180598	-131.83	-245.14	0.23	0.212
19970307	NA	3.649742714	-43.69	-86.50	0.17	0.168
19970308	NA	6.866465106	-21.15	-19.78	0.52	0.245
19970309	NA	7.918085888	12.78	12.46	1.01	0.493

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19970310	NA	4.453923312	14.23	12.70	0.53	0.236
19970311	NA	6.990185198	-14.36	-13.65	0.50	0.237
19970312	NA	4.02090299	-3.65	-3.41	0.64	0.301
19970313	NA	1.979521472	-73.16	-83.41	0.76	0.433
19970314	NA	4.577643404	-207.30	-282.04	0.47	0.320
19970315	NA	9.2790069	-121.15	-223.24	0.20	0.184
19970316	NA	5.505544094	-14.87	-14.11	0.78	0.370
19970317	NA	4.886943634	-12.39	-11.70	0.64	0.304
19970318	NA	4.02090299	-18.65	-18.35	0.56	0.277
19970319	NA	5.134383818	12.61	11.96	0.79	0.377
19970320	1.2	4.082763036	15.04	12.24	0.38	0.157
19970321	15.49	3.959042944	43.17	40.35	1.02	0.475
19970322	6.87	5.87670437	18.17	17.38	0.84	0.400
19970323	1.72	7.856225842	-13.65	-13.34	0.58	0.283
19970324	0.69	2.47440184	11.80	11.64	0.91	0.448
19970325	7.66	2.969282208	10.82	10.59	0.84	0.409
19970326	22.5	10.33062768	57.06	52.05	1.16	0.529
19970327	51.05	9.835747314	129.28	114.16	2.14	0.943
19970328	25.34	3.649742714	78.04	71.82	1.46	0.672
19970329	16.16	4.577643404	38.98	35.13	0.86	0.390
19970330	14.68	3.773462806	13.85	13.21	0.71	0.339
19970331	31.98	10.763648	96.37	86.80	1.62	0.731
19970401	15.82	12.27303313	220.18	206.10	3.94	1.842
19970402	4.44	5.273568921	56.35	51.05	1.08	0.490
19970403	3.21	17.06718669	73.85	65.61	1.26	0.559
19970404	3.76	4.314738208	113.85	101.01	1.87	0.828
19970405	NA	6.040633492	99.32	93.66	1.83	0.863
19970406	NA	1.534129141	-78.52	-78.15	1.11	0.551
19970407	NA	5.273568921	-97.30	-111.58	0.88	0.504
19970408	NA	7.862411846	-114.87	-173.19	0.40	0.299
19970409	NA	17.93013433	0.00	#DIV/0!	0.00	#DIV/0!
19970410	NA	5.17768585	0.00	#DIV/0!	0.00	#DIV/0!
19970411	NA	12.94421463	-46.15	-52.92	0.41	0.233
19970412	NA	11.0265532	9.83	9.41	0.85	0.407
19970413	9.13	18.60131583	0.00	#DIV/0!	0.00	#DIV/0!
19970414	NA	19.17661426	68.87	63.07	1.36	0.623
19970415	NA	8.054177989	63.34	60.10	1.45	0.690
19970416	NA	5.561218135	11.80	11.34	0.99	0.474
19970417	NA	15.34129141	22.82	17.72	0.46	0.178
19970418	NA	6.328282706	98.85	87.66	1.61	0.713
19970419	NA	13.13598077	85.64	73.74	1.42	0.613
19970420	NA	8.725359488	72.57	60.11	1.23	0.508
19970421	NA	13.80716227	111.35	97.63	1.90	0.831
19970422	NA	17.73836819	101.35	88.84	1.79	0.783
19970423	NA	7.670645704	121.80	112.48	2.19	1.010
19970424	NA	9.492424059	61.20	53.31	1.11	0.485
19970425	NA	13.61539612	37.27	28.60	0.64	0.245
19970426	NA	8.629476417	53.93	41.21	0.91	0.346

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19970427	NA	8.821242559	70.90	58.56	1.20	0.497
19970428	NA	17.06718669	84.23	67.66	1.41	0.565
19970429	NA	12.17715005	178.89	164.05	3.03	1.389
19970430	NA	8.054177989	69.07	66.77	1.69	0.815
19971101	NA	1.175340874	78.47	73.77	1.48	0.698
19971102	NA	1.608361196	-1.79	-1.76	1.00	0.490
19971103	NA	2.226961656	-38.20	-48.64	0.64	0.408
19971104	NA	2.721842024	-10.51	-15.44	0.23	0.171
19971105	NA	1.54650115	-4.10	-4.03	0.39	0.193
19971106	NA	3.835322852	2.14	1.96	0.36	0.166
19971107	4.44	2.598121932	29.28	28.02	0.90	0.432
19971108	NA	2.536261886	24.23	21.51	0.59	0.260
19971109	NA	1.85580138	1.50	1.46	0.70	0.340
19971110	NA	2.721842024	-36.15	-36.15	0.47	0.234
19971111	NA	2.721842024	-65.17	-95.23	0.41	0.300
19971112	NA	6.062284508	-41.02	-40.21	0.38	0.184
19971113	NA	1.422781058	-41.13	-40.47	0.57	0.283
19971114	NA	1.484641104	-31.53	-38.48	0.67	0.408
19971115	NA	1.85580138	-78.20	-95.63	0.49	0.301
19971116	NA	6.557164876	-81.15	-114.46	0.29	0.207
19971117	NA	5.87670437	-20.51	-19.77	0.18	0.088
19971118	NA	1.793941334	-67.69	-115.48	0.28	0.235
19971119	NA	2.16510161	#VALUE!	#VALUE!	#VALUE!	#VALUE!
19971120	NA	2.16510161	-32.58	-66.75	0.20	0.204
19971121	NA	4.02090299	-36.15	-35.85	0.44	0.220
19971122	NA	3.959042944	-40.17	-39.89	0.51	0.251
19971123	NA	1.979521472	-65.47	-114.62	0.29	0.250
19971124	NA	2.659981978	-67.69	-112.16	0.27	0.221
19971125	NA	2.47440184	7.27	5.88	0.33	0.132
19971126	2.44	5.25810391	18.85	17.80	0.79	0.371
19971127	9.23	2.412541794	62.76	58.34	1.26	0.586
19971128	4.33	4.63950345	5.30	3.79	0.18	0.063
19971129	2.69	3.897182898	3.08	2.24	0.16	0.058
19971130	0.38	2.412541794	-7.69	-7.61	0.51	0.254
19971201	0.01	0.717576534	-3.24	-3.21	0.00	0.000
19971202	NA	0.668088497	-0.77	-0.74	0.41	0.199
19971203	NA	0.494880368	-26.15	-34.89	0.49	0.327
19971204	NA	0.742320552	-68.20	-90.16	0.54	0.359
19971205	NA	0.643344478	-99.16	-141.73	0.49	0.349
19971206	NA	0.816552607	-53.35	-77.32	0.52	0.380
19971207	NA	0.643344478	-22.73	-51.76	0.17	0.199
19971208	NA	0.643344478	-33.65	-47.29	0.46	0.325
19971209	NA	0.593856442	-23.65	-31.55	0.51	0.343
19971210	NA	0.668088497	-34.61	-48.74	0.54	0.377
19971211	NA	0.47013635	-34.10	-56.57	0.26	0.216
19971212	NA	0.989760736	-48.50	-47.86	0.47	0.232
19971213	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19971214	0.04	1.162968865	14.23	12.56	0.51	0.225
19971215	5.5	1.336176994	34.53	31.50	0.83	0.380
19971216	3.12	1.534129141	13.25	11.52	0.45	0.194
19971217	1.32	0.915528681	28.85	27.00	0.84	0.391
19971218	1.85	0.692832515	21.71	17.57	0.45	0.183
19971219	0.44	0.61860046	3.42	3.28	0.60	0.286
19971220	NA	1.484641104	-13.14	-12.36	0.28	0.133
19971221	NA	1.08873681	-26.15	-26.15	0.50	0.249
19971222	NA	0.742320552	-13.14	-20.28	0.29	0.227
19971223	NA	0.544368405	-12.43	-11.41	0.36	0.164
19971224	NA	0.544368405	-38.80	-62.02	0.37	0.299
19971225	NA	0.544368405	-21.02	-21.02	0.46	0.229
19971226	NA	0.791808589	-37.39	-37.39	0.52	0.260
19971227	NA	0.569112423	-8.65	-8.34	0.62	0.297
19971228	NA	0.296928221	-21.15	-20.97	0.53	0.264
19971229	NA	0.544368405	-12.73	-21.63	0.22	0.191
19971230	NA	0.272184202	-59.46	-58.50	0.49	0.242
19971231	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qc)	u(qa-qc)*Ce
19980101	0.24	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980102	1.85	0.668088497	16.35	14.84	0.76	0.344
19980103	NA	0.692832515	-161.23	-241.23	0.36	0.272
19980104	NA	0.519624386	-96.15	-163.89	0.25	0.216
19980105	NA	0.519624386	-20.77	-34.39	0.31	0.261
19980106	NA	0.445392331	-21.47	-42.34	0.24	0.237
19980107	NA	0.519624386	-30.77	-55.82	0.27	0.249
19980108	NA	1.039248773	-33.65	-49.35	0.47	0.347
19980109	NA	0.519624386	-153.33	-214.99	0.34	0.235
19980110	NA	1.261944938	-250.68	-444.15	0.22	0.199
19980111	NA	0.494880368	-50.38	-184.36	0.05	0.093
19980112	NA	0.742320552	-183.65	-400.59	0.11	0.116
19980113	NA	1.23720092	-103.42	-294.96	0.06	0.082
19980114	NA	0.346416258	-98.80	-200.95	0.20	0.200
19980115	NA	0.816552607	-60.36	-124.27	0.12	0.127
19980116	NA	0.272184202	-63.65	-63.11	0.35	0.174
19980117	NA	0.544368405	-98.80	-198.11	0.19	0.191
19980118	NA	0.544368405	-47.18	-125.57	0.10	0.138
19980119	NA	1.509385122	-59.40	-176.28	0.08	0.115
19980120	NA	0.866040644	-89.91	-168.47	0.21	0.199
19980121	NA	0.272184202	-84.72	-120.99	0.53	0.376
19980122	NA	0.47013635	-53.65	-78.80	0.38	0.282
19980123	NA	0.494880368	-29.81	-62.99	0.21	0.221
19980124	NA	0.816552607	-21.62	-49.22	0.17	0.199
19980125	NA	0.593856442	-31.96	-35.28	0.61	0.338
19980126	NA	0.593856442	-20.77	-34.39	0.31	0.260
19980127	NA	0.816552607	-6.19	-5.56	0.31	0.140
19980128	NA	0.420648313	-7.18	-7.18	0.24	0.120
19980129	NA	0.61860046	-19.40	-33.00	0.18	0.156
19980130	NA	0.76706457	-34.36	-32.87	0.39	0.184
19980131	NA	1.162968865	-9.61	-9.28	0.65	0.312
19980201	NA	0.643344478	-33.65	-47.29	0.47	0.330
19980202	NA	0.717576534	-88.65	-130.59	0.27	0.201
19980203	NA	1.212456902	-39.55	-121.44	0.07	0.102
19980204	NA	0.717576534	-18.59	-57.40	0.06	0.098
19980205	NA	1.261944938	-17.88	-40.88	0.12	0.142
19980206	NA	1.187712883	-10.81	-8.77	0.09	0.035
19980207	3.84	1.435153067	0.86	0.63	0.15	0.054
19980208	5.4	1.38566503	9.08	8.01	0.41	0.179
19980209	4.99	1.286688957	-3.65	-3.50	0.61	0.290
19980210	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980211	NA	0.717576534	-25.85	-30.61	0.66	0.390
19980212	1.92	0.890784662	-1.62	-1.35	0.27	0.114
19980213	NA	0.61860046	-17.43	-28.85	0.33	0.269
19980214	NA	0.76706457	-6.15	-5.97	0.60	0.293
19980215	3.9	1.063992791	27.87	25.65	0.79	0.362
19980216	2.32	0.742320552	33.85	31.55	0.90	0.421
19980217	0.42	0.816552607	12.78	12.64	1.04	0.515
19980218	0.42	0.717576534	7.57	7.15	0.48	0.226
19980219	0.27	0.791808589	6.31	5.85	0.40	0.184
19980220	0.24	0.76706457	2.82	2.60	0.30	0.139
19980221	0.37	0.61860046	7.69	6.98	0.40	0.180
19980222	1.17	0.76706457	78.04	71.64	1.42	0.651
19980223	NA	0.76706457	68.85	61.83	1.21	0.543
19980224	NA	1.806313343	38.25	31.15	0.67	0.272
19980225	NA	0.76706457	137.70	133.16	2.54	1.226
19980226	NA	0.841296626	70.56	66.80	1.47	0.694
19980227	NA	0.866040644	-3.65	-3.59	0.62	0.305
19980228	NA	0.593856442	-17.94	-20.13	0.62	0.348
19980301	NA	1.113480828	-11.75	-15.88	0.29	0.194
19980302	NA	2.103241564	-31.53	-31.53	0.68	0.339
19980303	NA	1.23720092	0.00	#DIV/0!	0.00	#DIV/0!
19980304	NA	1.85580138	-47.69	-76.29	0.35	0.283
19980305	NA	1.85580138	-15.92	-15.92	0.27	0.135
19980306	NA	2.598121932	-39.10	-64.90	0.24	0.197
19980307	NA	3.959042944	-32.43	-56.50	0.26	0.231
19980308	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980309	NA	6.866465106	-297.00	-433.10	0.42	0.305

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19980310	NA	7.794365796	-204.87	-375.59	0.20	0.184
19980311	NA	8.784126532	-190.85	-357.01	0.18	0.168
19980312	NA	4.94880368	-144.87	-223.14	0.30	0.232
19980313	NA	2.412541794	-56.23	-55.14	0.71	0.348
19980314	NA	4.63950345	0.00	#DIV/0!	0.00	#DIV/0!
19980315	NA	1.54650115	0.00	#DIV/0!	0.00	#DIV/0!
19980316	NA	3.959042944	-26.28	-29.48	0.56	0.315
19980317	NA	3.649742714	-1.53	-1.49	0.87	0.424
19980318	NA	1.299060966	-9.57	-9.53	0.94	0.468
19980319	NA	4.515783358	-4.87	-4.80	0.84	0.415
19980320	NA	8.536686348	-2.43	-2.27	0.42	0.197
19980321	3.18	4.453923312	0.86	0.66	0.16	0.060
19980322	3.44	3.773462806	2.82	2.51	0.30	0.136
19980323	1.19	3.340442484	-9.91	-9.91	0.51	0.255
19980324	NA	4.94880368	-13.65	-13.43	0.55	0.270
19980325	20.49	5.752984278	37.61	34.49	0.98	0.447
19980326	0.82	4.268343174	128.85	111.00	2.18	0.938
19980327	NA	2.78370207	63.42	56.60	1.11	0.497
19980328	NA	2.845562116	98.72	89.21	1.66	0.749
19980329	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980330	NA	3.40230253	56.54	55.01	1.39	0.677
19980331	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980401	NA	5.273568921	0.00	#DIV/0!	0.00	#DIV/0!
19980402	3.2	5.561218135	7.57	6.89	0.48	0.217
19980403	8.46	7.670645704	41.37	39.27	1.12	0.530
19980404	4.5	16.10835598	27.27	21.18	0.53	0.204
19980405	0.11	10.64302091	56.35	51.05	1.12	0.506
19980406	NA	9.58830713	136.09	122.21	2.25	1.008
19980407	NA	5.273568921	95.84	90.97	1.74	0.824
19980408	NA	6.136516563	96.99	93.93	2.05	0.991
19980409	NA	10.83478706	81.80	76.34	1.65	0.770
19980410	NA	17.25895283	40.60	30.99	0.70	0.266
19980411	NA	17.3548359	166.65	147.90	2.94	1.304
19980412	NA	7.862411846	376.08	360.74	7.36	3.532
19980413	NA	5.561218135	178.89	164.60	3.13	1.439
19980414	NA	14.76599298	102.48	93.69	1.83	0.836
19980415	NA	8.629476417	82.40	79.97	1.84	0.895
19980416	NA	17.16306976	86.84	83.35	1.92	0.920
19980417	NA	15.14952527	65.64	57.04	1.22	0.530
19980418	NA	7.670645704	64.23	53.18	1.07	0.444
19980419	NA	6.424165777	74.53	64.62	1.25	0.542
19980420	NA	4.506504351	86.35	76.00	1.44	0.633
19980421	NA	17.25895283	52.14	41.46	0.87	0.346
19980422	NA	21.47780797	36.28	25.95	0.60	0.216
19980423	NA	19.84779576	65.04	48.42	1.18	0.438
19980424	NA	17.93013433	117.57	93.33	2.41	0.958
19980425	NA	8.821242559	204.32	189.26	3.51	1.625
19980426	NA	13.32774691	157.66	146.90	2.64	1.229

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19980427	NA	20.51897726	83.85	73.80	1.52	0.670
19980428	NA	19.17661426	42.82	32.34	0.71	0.270
19980429	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19980430	NA	22.82017097	0.00	#DIV/0!	0.00	#DIV/0!
19981101	NA	5.629264186	43.85	39.97	0.96	0.436
19981102	NA	4.577643404	30.84	29.89	1.14	0.552
19981103	NA	5.87670437	11.80	11.42	0.95	0.460
19981104	NA	4.33020322	-8.97	-8.32	0.32	0.147
19981105	NA	3.278582438	-8.97	-8.75	0.31	0.149
19981106	NA	2.721842024	-9.40	-9.40	0.25	0.124
19981107	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19981108	NA	2.350681748	0.45	0.40	0.21	0.093
19981109	NA	2.536261886	15.13	14.87	0.94	0.462
19981110	NA	1.85580138	-21.06	-21.01	1.11	0.552
19981111	NA	7.052045244	-68.71	-72.36	0.83	0.436
19981112	NA	#VALUE!	-27.03	-41.81	0.24	0.184
19981113	NA	4.453923312	26.50	25.04	0.92	0.432
19981114	NA	2.226961656	28.47	27.37	1.05	0.506
19981115	NA	3.031142254	3.85	3.74	0.69	0.335
19981116	NA	2.226961656	6.35	6.21	0.69	0.337
19981117	0.03	2.103241564	4.92	4.63	0.39	0.181
19981118	5.2	1.917661426	37.96	36.90	1.40	0.681
19981119	0.07	2.226961656	-59.82	-65.74	0.85	0.469
19981120	NA	2.412541794	-32.13	-31.80	0.41	0.204
19981121	1.78	4.206483128	13.87	13.21	0.88	0.417
19981122	15.74	2.350681748	86.35	76.95	1.49	0.664
19981123	12.41	5.752984278	59.71	55.98	1.27	0.597
19981124	7.82	2.845562116	65.39	59.66	1.23	0.561
19981125	4.7	5.505544094	68.17	62.73	1.30	0.599
19981126	3.98	4.515783358	40.60	31.26	0.68	0.262
19981127	2.9	3.40230253	27.95	20.52	0.48	0.174
19981128	1.79	3.154862346	28.38	21.97	0.51	0.198
19981129	1.57	1.670221242	70.09	61.41	1.19	0.523
19981130	1.1	1.793941334	68.47	64.53	1.39	0.657
19981201	0.37	1.831057362	98.72	88.00	1.65	0.735
19981202	NA	1.534129141	53.53	42.69	0.87	0.349
19981203	NA	1.880545398	20.45	15.28	0.38	0.141
19981204	NA	0.841296626	13.85	13.02	0.72	0.337
19981205	NA	0.61860046	18.98	17.64	0.69	0.320
19981206	NA	1.063992791	-9.91	-9.63	0.52	0.253
19981207	NA	1.732081288	6.31	5.52	0.39	0.169
19981208	NA	1.831057362	14.23	12.56	0.54	0.237
19981209	NA	0.544368405	10.47	9.24	0.42	0.186
19981210	NA	1.831057362	7.87	7.24	0.62	0.284
19981211	NA	1.657849233	28.85	26.67	0.86	0.399
19981212	NA	1.633105214	12.95	9.80	0.30	0.113
19981213	NA	1.138224846	7.52	5.45	0.19	0.070
19981214	NA	1.286688957	99.45	92.95	1.76	0.823
19981215	NA	1.138224846	21.20	19.60	0.73	0.336
19981216	NA	0.346416258	-4.81	-4.40	0.33	0.150
19981217	NA	0.569112423	-3.65	-3.54	0.62	0.301
19981218	NA	0.544368405	-38.20	-37.23	0.66	0.324
19981219	NA	0.569112423	-174.87	-299.87	0.25	0.216
19981220	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19981221	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19981222	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19981223	NA	1.633105214	-129.06	-230.18	0.24	0.213
19981224	NA	1.410409049	-98.65	-164.36	0.26	0.220
19981225	NA	0.395904294	-63.65	-85.15	0.36	0.239
19981226	NA	1.039248773	-85.47	-149.95	0.23	0.199
19981227	NA	0.692832515	-43.65	-43.65	0.44	0.218
19981228	0.26	0.61860046	-41.53	-40.18	0.64	0.311
19981229	NA	1.583617178	-243.01	-347.30	0.36	0.257
19981230	NA	0.717576534	-54.55	-201.76	0.05	0.085
19981231	NA	0.395904294	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19990101	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990102	NA	0.519624386	-145.02	-261.39	0.25	0.227
19990103	NA	0.420648313	-352.30	-564.34	0.23	0.187
19990104	NA	1.435153067	-242.94	-544.10	0.08	0.094
19990105	NA	0.395904294	-125.47	-255.96	0.15	0.150
19990106	NA	1.558873159	-201.53	-337.42	0.20	0.168
19990107	NA	1.162968865	-90.92	-250.99	0.07	0.100
19990108	NA	0.321672239	-112.43	-284.04	0.08	0.103
19990109	NA	1.187712883	-110.77	-263.57	0.08	0.101
19990110	NA	1.311432975	-184.74	-341.75	0.19	0.172
19990111	NA	0.420648313	-118.65	-214.93	0.21	0.188
19990112	NA	0.890784662	-204.06	-419.73	0.12	0.122
19990113	NA	0.791808589	-215.29	-399.27	0.14	0.131
19990114	NA	0.321672239	-172.52	-315.29	0.20	0.178
19990115	NA	0.76706457	-73.50	-70.91	0.38	0.185
19990116	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990117	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990118	NA	0.643344478	-95.55	-126.92	0.50	0.331
19990119	NA	0.866040644	-11.37	-9.76	0.09	0.038
19990120	NA	0.692832515	-21.62	-21.62	0.18	0.090
19990121	NA	0.569112423	-41.13	-48.73	0.57	0.335
19990122	NA	0.371160276	-41.53	-52.89	0.64	0.406
19990123	NA	0.395904294	-50.29	-70.77	0.53	0.376
19990124	NA	0.47013635	-54.10	-110.87	0.19	0.196
19990125	NA	1.732081288	-70.77	-141.83	0.15	0.155
19990126	NA	0.569112423	-36.15	-50.81	0.45	0.319
19990127	NA	0.544368405	-32.13	-47.25	0.40	0.292
19990128	NA	0.76706457	-44.10	-85.65	0.23	0.219
19990129	NA	1.633105214	-3.24	-3.03	0.53	0.247
19990130	NA	1.633105214	-14.96	-13.31	0.20	0.088
19990131	NA	1.410409049	-58.80	-86.67	0.30	0.221
19990201	NA	0.643344478	-23.65	-29.57	0.50	0.314
19990202	0.13	1.534129141	-7.52	-7.27	0.75	0.364
19990203	1.71	0.692832515	-12.39	-11.85	0.66	0.315
19990204	0.03	1.85580138	-126.68	-206.04	0.31	0.248
19990205	NA	0.791808589	-11.15	-10.63	0.58	0.277
19990206	1.34	2.029009509	-21.47	-20.19	0.25	0.119
19990207	4.42	0.668088497	32.06	30.07	0.94	0.442
19990208	11.24	1.113480828	68.87	64.21	1.36	0.633
19990209	7.09	1.880545398	43.42	38.73	0.92	0.412
19990210	2.49	0.717576534	70.56	66.96	1.46	0.694
19990211	NA	0.519624386	-54.12	-53.86	0.91	0.454
19990212	NA	0.371160276	-150.21	-188.63	0.73	0.456
19990213	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990214	1.52	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990215	0.5	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990216	NA	0.47013635	-61.53	-75.19	0.55	0.337
19990217	NA	0.841296626	0.00	#DIV/0!	0.00	#DIV/0!
19990218	NA	1.311432975	0.00	#DIV/0!	0.00	#DIV/0!
19990219	NA	1.682593251	-27.43	-49.75	0.29	0.267
19990220	NA	1.583617178	-41.02	-53.28	0.38	0.244
19990221	NA	2.598121932	-12.05	-10.45	0.15	0.064
19990222	NA	1.187712883	-34.61	-44.61	0.55	0.357
19990223	NA	1.286688957	-36.15	-50.81	0.48	0.335
19990224	NA	0.866040644	10.82	10.34	0.83	0.398
19990225	9.02	2.00426549	19.23	16.56	0.55	0.235
19990226	1.57	1.014504754	38.47	37.11	1.13	0.543
19990227	0.48	0.742320552	23.04	22.27	0.93	0.449
19990228	0.28	1.311432975	-9.57	-9.50	0.97	0.482
19990301	NA	4.02090299	22.82	17.98	0.46	0.179
19990302	NA	3.71160276	-2.17	-2.13	1.20	0.588
19990303	NA	7.485065566	-33.65	-33.37	0.48	0.239
19990304	NA	2.598121932	4.28	4.11	0.76	0.366
19990305	NA	1.917661426	-30.55	-34.84	0.79	0.452
19990306	NA	6.80460506	-56.15	-88.32	0.39	0.307
19990307	NA	5.87670437	-48.50	-58.93	0.49	0.297
19990308	NA	#VALUE!	0.00	#DIV/0!	0.00	#DIV/0!
19990309	NA	1.484641104	-51.15	-75.12	0.39	0.289

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19990310	NA	6.309724692	-27.43	-45.47	0.28	0.231
19990311	NA	8.35110621	-20.51	-38.23	0.18	0.167
19990312	NA	7.546925612	-12.48	-11.26	0.08	0.037
19990313	NA	5.629264186	-3.59	-2.74	0.12	0.046
19990314	NA	7.856225842	-3.72	-3.05	0.19	0.076
19990315	4.03	7.485065566	31.35	28.98	0.89	0.409
19990316	17.15	6.124144554	36.86	29.91	0.66	0.267
19990317	NA	2.845562116	108.41	104.97	2.22	1.076
19990318	NA	9.155286808	28.47	27.20	1.08	0.514
19990319	NA	9.402726992	17.27	13.77	0.41	0.162
19990320	NA	7.237625382	34.45	32.92	1.20	0.576
19990321	NA	9.650167176	35.26	33.15	1.06	0.500
19990322	NA	7.237625382	16.03	13.47	0.48	0.202
19990323	NA	8.96970667	51.50	46.85	1.11	0.506
19990324	NA	10.26876764	-4.46	-4.29	0.80	0.386
19990325	NA	10.26876764	0.00	#DIV/0!	0.00	#DIV/0!
19990326	NA	10.39248773	59.83	54.16	1.21	0.547
19990327	NA	5.938564416	131.29	125.19	2.41	1.150
19990328	NA	2.907422162	113.51	108.58	2.08	0.996
19990329	NA	10.57806787	87.61	78.41	1.54	0.688
19990330	NA	7.361345474	168.06	152.63	2.94	1.337
19990331	NA	3.216722392	215.01	195.42	3.98	1.811
19990401	NA	4.218855137	143.17	125.53	2.47	1.084
19990402	NA	5.94475042	70.09	60.76	1.20	0.522
19990403	NA	5.94475042	35.26	33.58	1.02	0.484
19990404	NA	16.39600519	37.61	35.03	0.96	0.448
19990405	NA	4.506504351	113.51	107.87	2.08	0.990
19990406	NA	11.0265532	55.13	52.09	1.24	0.587
19990407	NA	15.53305755	123.87	113.55	2.10	0.963
19990408	NA	8.437710274	177.10	162.98	3.11	1.430
19990409	NA	11.6977347	88.62	83.71	1.75	0.827
19990410	NA	5.561218135	161.18	154.71	2.80	1.343
19990411	NA	6.520048848	51.50	47.82	1.08	0.502
19990412	NA	18.88896505	15.45	11.94	0.32	0.124
19990413	NA	7.862411846	103.42	89.53	1.73	0.749
19990414	NA	7.191230347	118.17	105.38	1.97	0.881
19990415	NA	4.027088995	111.16	106.94	2.12	1.019
19990416	NA	8.917125631	37.70	36.85	1.57	0.768
19990417	NA	9.013008702	4.71	4.63	0.83	0.410
19990418	NA	8.629476417	10.47	9.04	0.42	0.181
19990419	NA	8.341827203	55.90	46.98	0.93	0.392
19990420	NA	5.657101207	76.76	67.66	1.29	0.568
19990421	NA	5.17768585	175.13	158.01	3.00	1.351
19990422	NA	4.698270494	140.07	135.66	2.59	1.255
19990423	NA	16.68365441	51.80	48.81	1.32	0.622
19990424	NA	17.06718669	42.42	33.90	0.77	0.307
19990425	NA	19.27249733	56.31	44.67	0.94	0.374
19990426	NA	11.50596856	112.31	96.13	1.99	0.852

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)				
			u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
19990427	NA	6.232399634	107.06	97.50	1.86	0.847
19990428	NA	19.46426347	135.13	125.09	2.41	1.115
19990429	NA	20.90250954	98.98	84.49	1.67	0.712
19990430	NA	22.91605404	28.08	18.43	0.47	0.153
19991101	NA	5.196243864	150.63	145.12	0.00	0.000
19991102	NA	8.165526072	38.32	35.81	0.00	0.000
19991103	NA	7.918085888	18.78	13.68	0.00	0.000
19991104	NA	3.216722392	70.09	60.17	0.00	0.000
19991105	NA	6.557164876	65.39	60.17	0.00	0.000
19991106	NA	6.990185198	39.64	31.67	0.00	0.000
19991107	NA	7.052045244	118.85	102.94	0.00	0.000
19991108	NA	5.56740414	187.61	163.29	0.00	0.000
19991109	NA	6.557164876	157.06	137.51	0.00	0.000
19991110	NA	2.350681748	75.13	70.28	0.00	0.000
19991111	NA	2.412541794	98.72	88.38	1.63	0.728
19991112	NA	4.453923312	34.62	24.76	0.56	0.199
19991113	NA	5.938564416	178.87	158.02	3.21	1.417
19991114	NA	6.062284508	36.35	33.36	0.91	0.419
19991115	NA	3.278582438	22.95	16.89	0.41	0.150
19991116	NA	5.443684048	23.93	18.52	0.48	0.184
19991117	NA	5.938564416	48.85	43.72	1.07	0.481
19991118	NA	5.56740414	111.80	101.45	2.01	0.910
19991119	NA	2.16510161	15.13	14.50	0.96	0.458
19991120	NA	4.02090299	15.90	13.75	0.56	0.244
19991121	NA	3.154862346	34.53	31.79	0.83	0.380
19991122	NA	4.577643404	12.57	11.29	0.50	0.224
19991123	NA	1.732081288	9.17	9.00	0.96	0.472
19991124	NA	5.010663726	28.85	26.47	0.86	0.392
19991125	NA	3.40230253	28.47	27.04	1.09	0.519
19991126	NA	2.907422162	33.85	31.30	0.91	0.420
19991127	NA	5.072523772	10.09	9.37	0.65	0.303
19991128	NA	4.144623082	5.90	5.33	0.46	0.207
19991129	NA	5.25810391	-6.19	-5.42	0.33	0.143
19991130	NA	2.536261886	61.80	57.94	1.34	0.629
19991201	NA	1.286688957	84.15	77.45	1.56	0.718
19991202	NA	0.76706457	18.98	17.31	0.72	0.328
19991203	NA	1.930033435	3.53	3.09	0.39	0.170
19991204	NA	0.692832515	-16.15	-15.40	0.54	0.258
19991205	NA	1.831057362	-23.24	-21.95	0.47	0.220
19991206	NA	1.583617178	1.20	1.09	0.58	0.263
19991207	NA	1.138224846	10.09	9.09	0.64	0.287
19991208	NA	0	10.60	8.77	0.00	0.000
19991209	NA	1.336176994	-4.10	-3.61	0.42	0.184
19991210	NA	1.212456902	-18.69	-17.11	0.26	0.120
19991211	NA	0.965016718	18.85	17.72	0.78	0.366
19991212	NA	1.187712883	10.60	8.67	0.35	0.145
19991213	NA	1.70733727	6.16	4.95	0.33	0.131
19991214	NA	0.569112423	8.85	8.49	0.70	0.336
19991215	NA	0.569112423	-109.99	-125.73	0.45	0.258
19991216	NA	1.311432975	-141.02	-309.67	0.13	0.138
19991217	NA	0.791808589	0.00	#DIV/0!	0.00	#DIV/0!
19991218	NA	0.890784662	-53.35	-72.64	0.53	0.360
19991219	NA	0.494880368	-99.01	-98.66	0.53	0.265
19991220	NA	0.569112423	-294.95	-475.91	0.28	0.222
19991221	NA	0.841296626	-67.18	-206.75	0.07	0.102
19991222	NA	1.261944938	-85.36	-227.47	0.08	0.108
19991223	NA	0.420648313	-42.31	-41.25	0.17	0.083
19991224	NA	0.519624386	-29.10	-41.85	0.27	0.195
19991225	NA	1.534129141	38.47	36.34	1.09	0.516
19991226	NA	1.08873681	-21.06	-20.78	1.09	0.536
19991227	NA	1.23720092	-47.24	-45.83	0.54	0.262
19991228	2.72	0.445392331	35.13	33.37	1.14	0.540
19991229	4.21	1.286688957	45.90	38.43	0.82	0.342
19991230	NA	0.569112423	4.23	3.80	0.46	0.205
19991231	NA	0.940272699	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qc)	u(qa-qc)*Ce
20000101	NA	0	0.00	#DIV/0!	0.00	#DIV/0!
20000102	NA	0.519624386	-13.63	-13.35	0.71	0.348
20000103	NA	0.47013635	-29.06	-35.27	0.56	0.341
20000104	NA	1.162968865	-95.72	-123.83	0.32	0.204
20000105	NA	0.890784662	-120.57	-211.56	0.30	0.260
20000106	NA	0.717576534	-95.55	-95.55	0.49	0.246
20000107	NA	0.692832515	-61.02	-61.02	0.29	0.145
20000108	0.59	1.459897086	-2.03	-1.88	0.35	0.161
20000109	NA	0.494880368	7.57	6.54	0.47	0.204
20000110	NA	0.544368405	-3.24	-3.05	0.55	0.259
20000111	NA	1.261944938	-65.57	-63.34	0.48	0.233
20000112	NA	0.965016718	-120.57	-216.91	0.30	0.273
20000113	NA	0.643344478	-56.19	-122.72	0.13	0.145
20000114	NA	0.965016718	-101.15	-168.56	0.24	0.197
20000115	0.43	0.76706457	-43.24	-40.82	0.37	0.174
20000116	NA	0.940272699	-129.74	-188.98	0.29	0.210
20000117	NA	0.519624386	-178.61	-288.14	0.27	0.218
20000118	NA	1.608361196	-56.83	-55.74	0.43	0.211
20000119	NA	0.61860046	-68.65	-96.73	0.33	0.234
20000120	NA	0.841296626	-99.10	-232.14	0.10	0.122
20000121	NA	1.138224846	-82.58	-208.27	0.08	0.105
20000122	NA	0.717576534	-160.29	-299.11	0.22	0.209
20000123	NA	1.633105214	-121.53	-161.11	0.37	0.248
20000124	NA	1.063992791	-138.65	-287.28	0.17	0.175
20000125	NA	1.558873159	-123.50	-205.55	0.25	0.210
20000126	NA	1.732081288	-14.29	-74.41	0.02	0.054
20000127	NA	1.583617178	-53.84	-148.67	0.09	0.118
20000128	NA	1.212456902	-49.25	-104.45	0.15	0.161
20000129	NA	0.791808589	-32.73	-71.99	0.14	0.155
20000130	NA	1.039248773	-43.69	-86.50	0.17	0.165
20000131	NA	1.682593251	-79.06	-122.53	0.36	0.281
20000201	NA	1.781569325	-51.15	-75.12	0.39	0.287
20000202	NA	0.692832515	-59.61	-87.08	0.42	0.310
20000203	NA	0.371160276	-2.17	-2.12	1.22	0.595
20000204	NA	0.668088497	-29.06	-28.05	0.55	0.266
20000205	NA	1.261944938	-30.51	-75.87	0.15	0.183
20000206	NA	0.593856442	-2.03	-1.84	0.34	0.155
20000207	NA	1.954777454	-17.43	-15.86	0.32	0.146
20000208	0.23	1.039248773	-38.65	-38.65	0.44	0.222
20000209	3.04	0.692832515	17.57	15.42	0.56	0.245
20000210	NA	0.593856442	7.76	7.42	0.82	0.394
20000211	NA	2.152729601	-45.08	-61.20	0.17	0.118
20000212	NA	1.286688957	-49.10	-107.01	0.21	0.230
20000213	NA	1.286688957	-111.41	-152.22	0.33	0.224
20000214	NA	0.643344478	-63.14	-161.02	0.12	0.152
20000215	NA	0.76706457	-61.53	-61.24	0.55	0.276
20000216	NA	1.039248773	-36.75	-66.19	0.19	0.175
20000217	NA	0.692832515	-63.65	-103.06	0.35	0.283
20000218	NA	0.742320552	-27.69	-27.69	0.42	0.211
20000219	NA	1.534129141	-73.50	-116.71	0.39	0.310
20000220	3.65	1.756825306	-24.25	-32.83	0.23	0.154
20000221	14.51	1.113480828	36.35	33.13	0.89	0.407
20000222	0.74	1.212456902	31.71	24.56	0.55	0.215
20000223	NA	0.742320552	72.31	62.53	1.21	0.521
20000224	NA	0.717576534	17.57	16.13	0.54	0.247
20000225	NA	0.544368405	114.88	109.68	1.98	0.946
20000226	NA	0.890784662	139.49	132.62	2.44	1.161
20000227	NA	2.647609969	35.13	33.47	1.10	0.525
20000228	NA	1.212456902	66.95	63.38	1.46	0.689
20000229	NA	2.00426549	131.95	121.53	2.34	1.076
20000301	NA	4.33020322	79.88	74.88	1.69	0.793
20000302	NA	6.309724692	2.12	1.65	0.23	0.091
20000303	NA	5.814844324	10.90	9.43	0.50	0.218
20000304	NA	4.825083588	27.12	19.59	0.46	0.167
20000305	NA	7.42320552	78.98	67.67	1.35	0.577
20000306	NA	2.78370207	171.67	155.69	2.98	1.350
20000307	NA	6.1860046	90.90	72.75	1.60	0.640
20000308	NA	2.288821702	181.93	160.99	3.29	1.454

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20000309	NA	2.350681748	144.22	134.34	2.43	1.132
20000310	NA	4.33020322	-22.86	-35.34	0.25	0.191
20000311	NA	5.938564416	-18.69	-25.29	0.26	0.178
20000312	NA	2.16510161	-7.43	-6.55	0.38	0.168
20000313	0.82	4.268343174	-37.43	-58.44	0.24	0.190
20000314	3.31	6.247864646	8.38	6.93	0.33	0.138
20000315	NA	3.0930023	18.47	17.22	0.99	0.461
20000316	NA	6.433444784	-18.80	-17.28	0.51	0.236
20000317	NA	6.680884968	-44.87	-44.65	0.67	0.333
20000318	NA	1.608361196	28.85	26.89	0.83	0.385
20000319	NA	3.216722392	17.57	15.42	0.54	0.237
20000320	NA	3.154862346	12.31	11.79	0.67	0.318
20000321	NA	3.340442484	11.28	9.18	0.30	0.120
20000322	NA	3.897182898	45.90	39.58	0.82	0.353
20000323	NA	2.78370207	98.72	89.43	1.60	0.725
20000324	NA	2.659981978	107.06	96.08	1.75	0.784
20000325	NA	8.103666026	144.22	137.92	2.57	1.230
20000326	NA	4.63950345	110.28	102.88	1.97	0.919
20000327	NA	2.845562116	86.84	82.51	1.88	0.895
20000328	NA	10.39248773	41.80	38.90	1.21	0.562
20000329	NA	10.51620782	7.52	5.24	0.20	0.068
20000330	NA	7.237625382	0.00	#DIV/0!	0.00	#DIV/0!
20000331	NA	5.814844324	90.09	77.76	1.56	0.675
20000401	NA	10.25948863	54.23	45.14	0.93	0.389
20000402	NA	4.985919708	87.61	79.76	1.52	0.694
20000403	NA	5.17768585	46.84	45.46	1.49	0.725
20000404	NA	17.06718669	38.32	35.24	1.12	0.517
20000405	NA	11.0265532	229.22	214.98	4.22	1.978
20000406	NA	13.7112792	60.43	57.80	1.55	0.742
20000407	NA	5.369451993	25.43	24.67	1.21	0.587
20000408	NA	13.99892841	35.26	32.59	1.08	0.499
20000409	NA	16.01247291	53.59	49.81	1.26	0.587
20000410	NA	7.478879561	32.06	30.29	0.93	0.437
20000411	NA	5.081802779	18.17	17.10	0.80	0.378
20000412	NA	8.725359488	8.85	8.28	0.67	0.314
20000413	NA	9.58830713	103.85	90.08	1.80	0.780
20000414	NA	7.191230347	56.65	52.24	1.25	0.576
20000415	NA	6.903581133	-9.57	-9.50	0.93	0.461
20000416	NA	6.711814991	-8.88	-8.88	0.86	0.429
20000417	3.41	6.903581133	12.82	10.69	0.36	0.152
20000418	14.64	6.999464205	54.23	45.28	0.93	0.386
20000419	NA	6.61593192	122.40	117.71	2.14	1.030
20000420	NA	4.218855137	115.88	111.31	2.14	1.027
20000421	NA	21.28604183	0.00	#DIV/0!	0.00	#DIV/0!
20000422	NA	14.67010991	105.90	84.17	2.02	0.804
20000423	NA	20.51897726	155.13	139.46	2.62	1.179
20000424	NA	21.47780797	55.04	41.22	0.93	0.347
20000425	NA	21.86134026	75.75	59.02	1.39	0.541

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20000426	NA	17.3548359	89.23	72.16	1.61	0.652
20000427	NA	9.780073272	121.20	103.77	2.10	0.901
20000428	NA	18.21778355	169.32	157.01	2.84	1.318
20000429	NA	18.60131583	103.85	90.26	1.72	0.749
20000430	NA	11.60185163	121.35	106.43	1.98	0.868
20001101	NA	1.670221242	204.17	186.69	0.00	0.000
20001102	NA	6.1860046	154.82	150.89	0.00	0.000
20001103	NA	4.63950345	91.54	87.20	0.00	0.000
20001104	NA	7.670645704	50.90	42.49	0.00	0.000
20001105	NA	3.526022622	103.06	96.94	0.00	0.000
20001106	NA	1.793941334	126.84	121.35	0.00	0.000
20001107	NA	1.175340874	37.70	36.85	0.00	0.000
20001108	NA	2.598121932	-48.61	-60.43	0.00	0.000
20001109	NA	2.103241564	-33.65	-47.29	0.00	0.000
20001110	NA	2.536261886	-41.02	-63.14	0.00	0.000
20001111	NA	2.412541794	-43.69	-43.69	0.00	0.000
20001112	NA	2.226961656	4.28	4.22	0.00	0.000
20001113	NA	1.484641104	-21.15	-21.15	0.00	0.000
20001114	NA	2.47440184	-90.02	-134.25	0.00	0.000
20001115	NA	4.701363496	-24.10	-24.10	0.00	0.000
20001116	NA	2.103241564	-81.11	-113.28	0.00	0.000
20001117	NA	2.041381518	-79.06	-125.58	0.00	0.000
20001118	NA	2.412541794	-48.65	-71.43	0.00	0.000
20001119	NA	1.917661426	-54.87	-54.60	0.00	0.000
20001120	NA	1.793941334	-188.71	-282.47	0.00	0.000
20001121	NA	6.309724692	-54.10	-98.49	0.00	0.000
20001122	NA	4.082763036	-52.03	-124.04	0.00	0.000
20001123	NA	3.835322852	-38.14	-72.30	0.00	0.000
20001124	NA	5.319963956	-6.19	-5.46	0.00	0.000
20001125	NA	3.897182898	-9.14	-25.44	0.00	0.000
20001126	NA	2.288821702	-17.88	-43.15	0.00	0.000
20001127	NA	1.608361196	-7.43	-6.88	0.00	0.000
20001128	NA	1.732081288	-9.10	-8.59	0.00	0.000
20001129	NA	1.732081288	-23.65	-29.57	0.00	0.000
20001130	NA	1.422781058	-24.10	-37.56	0.00	0.000
20001201	NA	0.692832515	-46.15	-61.66	0.00	0.000
20001202	NA	1.954777454	-39.40	-83.09	0.00	0.000
20001203	NA	1.583617178	-126.49	-126.49	0.00	0.000
20001204	NA	0.593856442	-33.16	-32.98	0.00	0.000
20001205	NA	1.70733727	-92.94	-92.30	0.00	0.000
20001206	NA	0.445392331	-108.65	-181.18	0.00	0.000
20001207	NA	0.643344478	-51.15	-49.96	0.00	0.000
20001208	NA	1.360921012	-58.80	-56.66	0.00	0.000
20001209	NA	0.643344478	-65.47	-65.47	0.00	0.000
20001210	NA	1.261944938	-154.18	-224.96	0.00	0.000
20001211	NA	0.915528681	-224.46	-466.08	0.00	0.000
20001212	NA	1.657849233	-125.77	-342.53	0.00	0.000
20001213	NA	0.61860046	-129.91	-278.78	0.00	0.000
20001214	NA	1.014504754	-82.58	-211.38	0.00	0.000
20001215	NA	0.494880368	-137.39	-233.33	0.00	0.000
20001216	NA	0.445392331	-178.61	-280.14	0.00	0.000
20001217	NA	1.38566503	-171.15	-372.84	0.00	0.000
20001218	NA	1.261944938	-127.69	-288.31	0.00	0.000
20001219	NA	1.360921012	-143.24	-320.98	0.00	0.000
20001220	NA	0.519624386	-129.74	-203.08	0.00	0.000
20001221	NA	0.742320552	-188.46	-251.58	0.00	0.000
20001222	NA	0.742320552	-99.25	-285.49	0.00	0.000
20001223	NA	0.915528681	-149.91	-342.47	0.00	0.000
20001224	NA	1.633105214	-129.10	-357.24	0.00	0.000
20001225	NA	0.643344478	-71.62	-207.71	0.00	0.000
20001226	NA	0.494880368	-112.13	-231.52	0.00	0.000
20001227	NA	0.643344478	-58.97	-145.76	0.00	0.000
20001228	NA	1.187712883	-134.87	-230.62	0.00	0.000
20001229	NA	0.247440184	-131.15	-268.69	0.00	0.000
20001230	NA	0.420648313	-141.02	-321.82	0.00	0.000
20001231	NA	0.371160276	0.00	#DIV/0!	0.00	#DIV/0!

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20010101	NA	1.459897086	-88.14	-232.06	0.00	0.000
20010102	NA	1.534129141	-120.72	-119.87	0.00	0.000
20010103	NA	0.544368405	-37.39	-37.13	0.00	0.000
20010104	NA	0.717576534	-14.87	-14.29	0.00	0.000
20010105	NA	1.410409049	-16.11	-15.92	0.00	0.000
20010106	NA	0.519624386	23.04	22.19	0.00	0.000
20010107	NA	0.965016718	-45.72	-51.33	0.00	0.000
20010108	NA	1.187712883	-25.64	-52.46	0.00	0.000
20010109	NA	1.534129141	0.00	#DIV/0!	0.00	#DIV/0!
20010110	NA	1.23720092	26.50	25.04	0.00	0.000
20010111	NA	0.569112423	-7.43	-7.30	0.00	0.000
20010112	NA	0.519624386	-17.43	-27.15	0.00	0.000
20010113	NA	0.519624386	-23.50	-26.36	0.00	0.000
20010114	NA	0.296928221	-6.15	-7.04	0.00	0.000
20010115	NA	0.494880368	-56.41	-66.87	0.00	0.000
20010116	NA	0.692832515	-93.65	-179.97	0.00	0.000
20010117	NA	1.360921012	-88.65	-139.85	0.00	0.000
20010118	NA	0.47013635	-98.50	-127.45	0.00	0.000
20010119	NA	1.657849233	-163.65	-356.22	0.00	0.000
20010120	NA	1.509385122	-64.53	-148.10	0.00	0.000
20010121	NA	1.039248773	-41.62	-98.30	0.00	0.000
20010122	NA	1.113480828	-36.15	-35.57	0.00	0.000
20010123	NA	1.360921012	-24.10	-24.10	0.00	0.000
20010124	NA	1.70733727	-117.94	-206.93	0.00	0.000
20010125	NA	1.558873159	-95.72	-135.38	0.00	0.000
20010126	NA	0.61860046	-83.91	-118.32	0.00	0.000
20010127	NA	1.459897086	-61.15	-60.63	0.00	0.000
20010128	NA	0.61860046	-28.29	-52.81	0.00	0.000
20010129	NA	0.47013635	-42.94	-48.21	0.00	0.000
20010130	NA	0.593856442	-25.47	-25.47	0.00	0.000
20010131	NA	1.162968865	-78.20	-103.43	0.00	0.000
20010201	NA	1.905289417	-188.46	-238.24	0.00	0.000
20010202	NA	1.113480828	-156.58	-344.46	0.00	0.000
20010203	NA	0.494880368	-27.69	-26.31	0.00	0.000
20010204	NA	0.47013635	-33.65	-33.11	0.00	0.000
20010205	NA	0.593856442	-17.18	-16.56	0.00	0.000
20010206	NA	1.212456902	-34.10	-33.49	0.00	0.000
20010207	NA	1.311432975	-45.47	-79.44	0.00	0.000
20010208	NA	0.692832515	-95.72	-155.71	0.00	0.000
20010209	NA	1.633105214	-295.38	-477.40	0.00	0.000
20010210	NA	1.286688957	-100.64	-281.29	0.00	0.000
20010211	NA	0.965016718	-141.96	-242.65	0.00	0.000
20010212	NA	0.668088497	-69.91	-122.46	0.00	0.000
20010213	NA	0.742320552	-36.75	-56.94	0.00	0.000
20010214	NA	1.336176994	-158.65	-332.73	0.00	0.000
20010215	NA	1.70733727	-58.29	-149.32	0.00	0.000
20010216	NA	2.375425766	-207.49	-351.98	0.00	0.000
20010217	NA	2.400169785	-147.69	-321.13	0.00	0.000
20010218	NA	1.261944938	-108.65	-145.82	0.00	0.000
20010219	NA	1.558873159	-84.61	-102.99	0.00	0.000
20010220	NA	2.548633895	-198.20	-348.53	0.00	0.000
20010221	NA	2.32593773	-104.10	-256.88	0.00	0.000
20010222	NA	0.890784662	-156.94	-245.83	0.00	0.000
20010223	NA	1.85580138	-113.65	-205.77	0.00	0.000
20010224	NA	0.915528681	-54.87	-59.78	0.00	0.000
20010225	NA	0.965016718	-153.16	-203.39	0.00	0.000
20010226	NA	2.499145858	-138.65	-284.28	0.00	0.000
20010227	NA	2.598121932	-187.39	-374.34	0.00	0.000
20010228	NA	1.633105214	-103.65	-158.58	0.00	0.000
20010301	NA	4.392063266	-76.58	-127.00	0.00	0.000
20010302	NA	4.763223542	-15.77	-15.25	0.00	0.000
20010303	NA	6.680884968	-17.31	-15.84	0.00	0.000
20010304	NA	7.670645704	-51.28	-49.02	0.00	0.000
20010305	NA	7.856225842	-81.15	-138.13	0.00	0.000
20010306	NA	6.928325152	-43.69	-92.57	0.00	0.000
20010307	NA	2.350681748	-38.65	-44.30	0.00	0.000
20010308	NA	2.536261886	-28.20	-28.07	0.00	0.000
20010309	NA	7.546925612	-29.10	-50.67	0.00	0.000

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20010310	NA	2.845562116	-52.13	-76.80	0.00	0.000
20010311	NA	7.299485428	-54.10	-69.12	0.00	0.000
20010312	NA	3.71160276	-109.61	-170.30	0.00	0.000
20010313	NA	3.278582438	-18.65	-26.18	0.00	0.000
20010314	NA	5.010663726	-1.62	-1.44	0.00	0.000
20010315	NA	5.752984278	-4.06	-3.85	0.00	0.000
20010316	NA	5.319963956	-43.24	-69.15	0.00	0.000
20010317	NA	9.217146854	-17.88	-38.16	0.00	0.000
20010318	NA	5.691124232	-5.77	-5.34	0.00	0.000
20010319	NA	3.0930023	-5.47	-5.16	0.00	0.000
20010320	NA	4.577643404	23.85	22.64	0.00	0.000
20010321	0.42	6.990185198	8.38	6.98	0.00	0.000
20010322	1.22	3.031142254	-12.13	-11.61	0.00	0.000
20010323	0.22	5.752984278	-48.20	-47.97	0.00	0.000
20010324	NA	6.557164876	-130.93	-166.78	0.00	0.000
20010325	NA	8.103666026	-137.90	-199.41	0.00	0.000
20010326	NA	10.26876764	-104.06	-182.34	0.00	0.000
20010327	NA	10.45434777	-50.77	-103.99	0.00	0.000
20010328	NA	3.464162576	-1.28	-1.22	0.00	0.000
20010329	9.25	3.649742714	13.85	13.29	0.00	0.000
20010330	9.11	2.969282208	12.57	11.64	0.00	0.000
20010331	NA	3.464162576	35.26	33.36	0.00	0.000
20010401	10.75	13.0400977	19.23	16.71	0.00	0.000
20010402	12.38	10.45125477	15.90	14.49	0.00	0.000
20010403	11.38	8.245944132	26.50	25.25	0.00	0.000
20010404	21.38	10.54713784	59.71	55.50	0.00	0.000
20010405	23.33	4.41062128	34.53	32.10	0.00	0.000
20010406	26.93	5.369451993	50.54	47.98	0.00	0.000
20010407	17.94	5.17768585	216.93	211.61	0.00	0.000
20010408	5.63	11.88950084	48.47	46.18	0.00	0.000
20010409	5.47	7.862411846	51.50	47.52	0.00	0.000
20010410	4.76	6.999464205	84.83	77.02	0.00	0.000
20010411	4.05	6.232399634	81.39	77.82	0.00	0.000
20010412	1.52	3.931205923	91.29	87.61	0.00	0.000
20010413	NA	12.84833155	70.94	64.39	0.00	0.000
20010414	NA	14.95775912	101.35	88.84	0.00	0.000
20010415	NA	7.287113419	73.38	70.93	0.00	0.000
20010416	NA	3.835322852	-12.98	-12.82	0.00	0.000
20010417	NA	20.90250954	23.85	21.96	0.00	0.000
20010418	NA	15.43717448	52.57	43.14	0.00	0.000
20010419	NA	9.204774845	157.23	144.62	0.00	0.000
20010420	NA	11.60185163	169.71	152.21	0.00	0.000
20010421	NA	7.095347276	81.80	75.49	0.00	0.000
20010422	NA	5.657101207	38.47	36.76	0.00	0.000
20010423	NA	4.985919708	45.13	42.88	0.00	0.000
20010424	NA	12.27303313	85.64	73.74	0.00	0.000
20010425	NA	16.87542055	128.85	111.00	0.00	0.000
20010426	NA	18.21778355	157.48	139.74	0.00	0.000

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20010427	NA	18.0260174	62.82	46.86	0.00	0.000
20010428	NA	12.94421463	322.40	296.03	0.00	0.000
20010429	NA	19.65602962	425.07	398.01	0.00	0.000
20010430	NA	6.232399634	225.84	205.30	0.00	0.000
20011101	NA	5.56740414	158.47	144.43	0.00	0.000
20011102	NA	8.289246164	101.50	90.87	0.00	0.000
20011103	NA	7.546925612	56.16	42.25	0.00	0.000
20011104	NA	5.56740414	21.97	14.59	0.00	0.000
20011105	NA	6.928325152	143.17	125.31	0.00	0.000
20011106	NA	6.990185198	54.92	43.92	0.00	0.000
20011107	NA	3.71160276	118.17	103.54	0.00	0.000
20011108	NA	5.938564416	68.21	65.54	0.00	0.000
20011109	NA	5.56740414	98.85	86.08	0.00	0.000
20011110	NA	6.49530483	63.85	57.50	0.00	0.000
20011111	NA	6.309724692	47.57	39.35	0.00	0.000
20011112	NA	5.319963956	126.35	109.67	0.00	0.000
20011113	NA	2.659981978	82.57	68.05	0.00	0.000
20011114	NA	1.484641104	71.58	56.99	0.00	0.000
20011115	NA	4.577643404	57.27	43.09	0.00	0.000
20011116	NA	5.25810391	53.93	40.20	0.00	0.000
20011117	NA	5.629264186	127.87	109.26	0.00	0.000
20011118	NA	1.23720092	151.80	137.36	0.00	0.000
20011119	NA	6.309724692	16.93	16.01	0.00	0.000
20011120	NA	1.608361196	28.53	23.30	0.00	0.000
20011121	NA	5.505544094	22.52	14.96	0.00	0.000
20011122	NA	3.216722392	42.57	36.12	0.00	0.000
20011123	NA	3.40230253	34.08	28.54	0.00	0.000
20011124	NA	1.360921012	43.42	39.80	0.00	0.000
20011125	NA	1.917661426	20.01	19.57	0.00	0.000
20011126	NA	1.23720092	5.99	5.87	0.00	0.000
20011127	NA	1.360921012	-44.99	-53.78	0.00	0.000
20011128	NA	1.670221242	-41.02	-67.79	0.00	0.000
20011129	NA	1.422781058	-17.88	-45.11	0.00	0.000
20011130	NA	1.793941334	-7.18	-10.54	0.00	0.000
20011201	NA	0.742320552	-48.65	-68.45	0.00	0.000
20011202	NA	1.212456902	-12.13	-11.39	0.00	0.000
20011203	NA	0.965016718	3.93	3.30	0.00	0.000
20011204	1.85	0.668088497	11.28	8.88	0.00	0.000
20011205	6.52	0.420648313	60.18	58.40	0.00	0.000
20011206	0.67	1.311432975	-14.53	-13.89	0.00	0.000
20011207	0.09	0.692832515	-24.10	-23.31	0.00	0.000
20011208	NA	1.360921012	-51.15	-58.66	0.00	0.000
20011209	1.61	1.806313343	26.50	25.04	0.00	0.000
20011210	1.07	1.410409049	-7.58	-6.80	0.00	0.000
20011211	2.09	1.360921012	-13.46	-12.98	0.00	0.000
20011212	0.03	0.519624386	-7.69	-7.41	0.00	0.000
20011213	NA	0.61860046	-23.65	-23.45	0.00	0.000
20011214	0.66	0.593856442	-19.74	-19.16	0.00	0.000
20011215	4.49	0.593856442	60.43	58.49	0.00	0.000
20011216	3.36	0.519624386	19.98	19.10	0.00	0.000
20011217	2.08	1.657849233	7.27	6.01	0.00	0.000
20011218	1.21	0.692832515	1.35	1.29	0.00	0.000
20011219	0.01	1.657849233	-19.74	-19.08	0.00	0.000
20011220	0.14	1.286688957	0.00	#DIV/0!	0.00	#DIV/0!
20011221	0.12	0.692832515	-22.79	-22.22	0.00	0.000
20011222	NA	0.47013635	-23.65	-22.95	0.00	0.000
20011223	NA	0.668088497	-134.01	-197.05	0.00	0.000
20011224	NA	1.08873681	-157.34	-245.55	0.00	0.000
20011225	NA	0.841296626	-123.65	-253.14	0.00	0.000
20011226	NA	0.494880368	-72.13	-129.41	0.00	0.000
20011227	NA	0.445392331	-62.52	-85.17	0.00	0.000
20011228	NA	0.544368405	-114.87	-179.79	0.00	0.000
20011229	NA	0.742320552	-126.28	-231.65	0.00	0.000
20011230	NA	0.643344478	-151.53	-256.19	0.00	0.000
20011231	NA	1.138224846	-123.65	-250.38	0.00	0.000

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce
20020101	NA	0.593856442	-121.02	-267.85	0.00	0.000
20020102	NA	1.484641104	-57.18	-165.24	0.00	0.000
20020103	NA	1.014504754	-56.15	-64.41	0.00	0.000
20020104	NA	0.989760736	-34.10	-33.49	0.00	0.000
20020105	NA	0.742320552	2.57	2.38	0.00	0.000
20020106	NA	0.494880368	-96.13	-135.66	0.00	0.000
20020107	NA	1.162968865	-32.43	-29.99	0.00	0.000
20020108	5.87	0.841296626	54.53	48.65	0.00	0.000
20020109	6.71	1.286688957	62.61	57.44	0.00	0.000
20020110	1.2	0.371160276	1.65	1.62	0.00	0.000
20020111	0.92	1.484641104	23.42	21.36	0.00	0.000
20020112	0.93	1.534129141	29.15	27.48	0.00	0.000
20020113	0.52	0.519624386	20.01	19.39	0.00	0.000
20020114	NA	0.445392331	-29.06	-32.60	0.00	0.000
20020115	NA	0.643344478	-62.39	-91.15	0.00	0.000
20020116	NA	0.296928221	-37.43	-70.42	0.00	0.000
20020117	NA	1.286688957	-78.65	-127.52	0.00	0.000
20020118	NA	1.633105214	-69.10	-134.70	0.00	0.000
20020119	NA	1.113480828	-53.35	-58.92	0.00	0.000
20020120	NA	0.76706457	-22.43	-21.70	0.00	0.000
20020121	2.21	0.692832515	-2.03	-1.75	0.00	0.000
20020122	1.47	0.965016718	16.76	15.09	0.00	0.000
20020123	NA	0.569112423	-102.24	-159.71	0.00	0.000
20020124	NA	1.311432975	-38.80	-36.63	0.00	0.000
20020125	0.85	1.113480828	62.61	56.82	0.00	0.000
20020126	1.43	1.063992791	15.04	11.94	0.00	0.000
20020127	0.16	0.841296626	-40.77	-71.09	0.00	0.000
20020128	NA	0.61860046	-138.20	-230.35	0.00	0.000
20020129	NA	0.593856442	-108.65	-211.89	0.00	0.000
20020130	NA	1.113480828	-67.31	-163.84	0.00	0.000
20020131	NA	0.569112423	-56.58	-96.41	0.00	0.000
20020201	NA	1.880545398	-56.58	-55.98	0.00	0.000
20020202	NA	0.643344478	-6.15	-5.75	0.00	0.000
20020203	NA	0.965016718	-96.13	-135.66	0.00	0.000
20020204	NA	1.979521472	-50.77	-49.85	0.00	0.000
20020205	NA	1.633105214	-10.51	-9.04	0.00	0.000
20020206	0.71	1.954777454	36.35	32.81	0.00	0.000
20020207	1.09	1.732081288	43.42	38.12	0.00	0.000
20020208	1	1.558873159	25.75	20.68	0.00	0.000
20020209	0.04	0.76706457	-15.38	-15.26	0.00	0.000
20020210	NA	1.930033435	-84.72	-105.49	0.00	0.000
20020211	0.19	0.940272699	29.07	28.09	0.00	0.000
20020212	0.11	2.078497546	-19.82	-19.52	0.00	0.000
20020213	0.05	2.177473619	23.04	21.59	0.00	0.000
20020214	NA	0.816552607	25.13	23.61	0.00	0.000
20020215	NA	1.509385122	35.13	33.28	0.00	0.000
20020216	NA	0.717576534	38.47	36.54	0.00	0.000
20020217	NA	2.152729601	48.72	44.44	0.00	0.000
20020218	NA	1.039248773	32.21	29.92	0.00	0.000
20020219	NA	0.816552607	-12.39	-12.02	0.00	0.000
20020220	0.03	0.445392331	12.78	12.59	0.00	0.000
20020221	NA	2.053753527	-4.06	-3.94	0.00	0.000
20020222	NA	1.484641104	6.31	5.52	0.00	0.000
20020223	NA	1.187712883	43.85	39.03	0.00	0.000
20020224	NA	0.866040644	-50.93	-50.66	0.00	0.000
20020225	NA	1.08873681	-141.79	-215.10	0.00	0.000
20020226	NA	0.692832515	-197.60	-299.33	0.00	0.000
20020227	NA	2.47440184	-96.58	-165.27	0.00	0.000
20020228	NA	2.375425766	-121.53	-183.32	0.00	0.000
20020301	NA	5.010663726	-141.15	-289.48	0.00	0.000
20020302	NA	5.443684048	-180.68	-289.41	0.00	0.000
20020303	NA	7.73250575	-200.27	-331.84	0.00	0.000
20020304	NA	0	-50.77	-84.41	0.00	0.000
20020305	NA	2.16510161	-25.64	-48.50	0.00	0.000
20020306	NA	2.412541794	-87.39	-145.01	0.00	0.000
20020307	NA	0	-93.07	-142.18	0.00	0.000
20020308	NA	0	-63.65	-105.71	0.00	0.000
20020309	NA	0	-169.01	-263.93	0.00	0.000

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)					
			u*(Ta-Ts)	u(Ta-Ts)Ch	u(qa-qs)	u(qa-qs)*Ce	
20020310	NA	0	-129.06	-219.02	0.00	0.000	
20020311	NA	0	-39.10	-49.88	0.00	0.000	
20020312	6.89	0	37.61	34.39	0.00	0.000	
20020313	1.13	0	8.85	8.40	0.00	0.000	
20020314	NA	0	-36.79	-41.35	0.00	0.000	
20020315	NA	0	-70.72	-103.39	0.00	0.000	
20020316	NA	0	-21.62	-19.52	0.00	0.000	
20020317	NA	0	-11.15	-10.76	0.00	0.000	
20020318	NA	0	-19.55	-49.34	0.00	0.000	
20020319	NA	0	-27.43	-27.43	0.00	0.000	
20020320	NA	0	-93.65	-166.20	0.00	0.000	
20020321	NA	0	-242.30	-350.62	0.00	0.000	
20020322	NA	0	-128.05	-179.30	0.00	0.000	
20020323	NA	0	-56.58	-87.21	0.00	0.000	
20020324	NA	0	-124.44	-178.11	0.00	0.000	
20020325	NA	0	-120.57	-196.01	0.00	0.000	
20020326	NA	0	-20.38	-18.53	0.00	0.000	
20020327	NA	0	15.13	14.33	0.00	0.000	
20020328	9.8	0	-40.68	-40.68	0.00	0.000	
20020329	13	0	-26.28	-26.10	0.00	0.000	
20020330	8.07	0	-66.66	-66.66	0.00	0.000	
20020331	4.36	0	-4.46	-4.41	0.00	0.000	
20020401	4.74	0	-1.15	-1.12	0.00	0.000	
20020402	NA	0	-31.96	-35.28	0.00	0.000	
20020403	NA	0	-53.35	-69.91	0.00	0.000	
20020404	NA	0	-6.07	-5.22	0.00	0.000	
20020405	5.79	0	2.12	1.74	0.00	0.000	
20020406	10.06	0	77.78	72.53	0.00	0.000	
20020407	6.4	0	76.35	68.99	0.00	0.000	
20020408	2.67	0	36.35	33.61	0.00	0.000	
20020409	2.49	0	52.31	45.55	0.00	0.000	
20020410	2.02	0	115.39	103.81	0.00	0.000	
20020411	NA	0	28.53	24.37	0.00	0.000	
20020412	NA	0	47.27	35.54	0.00	0.000	
20020413	NA	0	98.98	86.10	0.00	0.000	
20020414	NA	0	179.28	156.26	0.00	0.000	
20020415	NA	0	275.13	242.38	0.00	0.000	
20020416	NA	0	419.79	392.69	0.00	0.000	
20020417	NA	0	155.13	141.13	0.00	0.000	
20020418	NA	0	220.18	204.77	0.00	0.000	
20020419	NA	0	48.47	46.04	0.00	0.000	
20020420	NA	0	48.47	45.79	0.00	0.000	
20020421	NA	0	26.50	25.25	0.00	0.000	
20020422	8.02	0	25.90	22.31	0.00	0.000	
20020423	NA	0	196.54	179.15	0.00	0.000	
20020424	NA	0	219.67	210.19	0.00	0.000	
20020425	NA	0	72.70	70.72	0.00	0.000	
20020426	NA	0	39.23	33.05	0.00	0.000	

(+)	Regression Observed 'day 2' method Snowmelt 2	Rn Net Radiation (MJ/m2)	$u^*(T_a - T_s)$	$u(T_a - T_s)Ch$	$u(q_a - q_s)$	$u(q_a - q_s) * C_e$
20020427	NA	0	97.85	94.88	0.00	0.000
20020428	NA	0	37.61	35.28	0.00	0.000
20020429	NA	0	157.66	145.95	0.00	0.000
20020430	NA	0	60.47	48.11	0.00	0.000