# EVAPOTRANSPIRATION ANALYSIS OF NORTH CYPRUS

BERKAY KOYUNCU

SEPTEMBER 2019

# EVAPOTRANSPIRATION ANALYSIS OF NORTH CYPRUS

A THESIS SUBMITTED TO

THE BOARD OF GRADUATE PROGRAMS

OF

MIDDLE EAST TECHNICAL UNIVERSITY, NORTHERN CYPRUS CAMPUS

BY

BERKAY KOYUNCU

IN PARTIAL FULFILLMENT OF THE REQUIREMENT

FOR

THE DEGREE OF MASTER OF SCIENCE

IN

THE SUSTAINABLE ENVIRONMENT AND ENERGY SYSTEMS PROGRAM

SEPTEMBER 2019

Approval of the Board of Graduate Programs

Prof. Dr. Gürkan Karakaş
Chairperson

I certify that this thesis satisfies all the requirements as a thesis for the degree of Master of Science

Asst. Prof. Dr. Ceren İnce Derogar
Program Coordinator

This is to certify that we have read this thesis and that in our opinion it is fully adequate, in scope and quality, as a thesis for the degree of Master of Science.

Asst. Prof. Dr. Bertuğ Akıntuğ
Supervisor

**Examining Committee Members**

| | | |
|---|---|---|
| Assoc. Prof. Dr. Murat Fahrioğlu | Electrical and Electronics Eng. Prog., METU-NCC. | _____ |
| Asst. Prof. Dr. İbrahim Bay | Civil Engineering Department, European University of Lefke. | _____ |
| Asst. Prof. Dr. Bertuğ Akıntuğ | Civil Engineering Program, METU-NCC. | _____ |

**I hereby declare that all information in this document has been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all materials and results that are not original to this work.**

Name, Last Name : Berkay KOYUNCU

Signature :

**ABSTRACT**

EVAPOTRANSPIRATION ANALYSIS OF NORTH CYPRUS

Koyuncu, Berkay

M.Sc., Sustainable Environment and Energy Systems

Supervisor: Asst. Prof. Dr. Bertuğ Akıntuğ

September 2019, 229 pages

Water is one of the first essentials to consider when the "sustainability" term comes to order. Especially the significance of potable water is highly critical corresponding to the allocation of available water on the Earth. Groundwater is the optimum option when it is compared with other resources to contribute potable water without any advanced treatment process. In North Cyprus, precipitations can be considered as the main (and almost only) feeder for groundwater resources; therefore, evapotranspiration parameter is vital for the sustainability of those resources. In this study, evapotranspiration (ET) of Northern Cyprus including the surface area of Guzelyurt Aquifer which is the largest fresh water resource in the island was analyzed. Before main tasks, quality control stages of raw data such as unexpected value detection, distribution fittings, outlier tests, and homogeneity analysis was completed. Data analysis section before further calculations is quite significant for reliability of the study results. For North Cyprus, evapotranspiration is the major natural water loss in the water balance of the country, moreover, it was estimated by using the different evapotranspiration methods according to the available data. Thirty-seven-year long daily data are available for temperature and precipitation from 33 meteorological stations. For estimation of evapotranspiration, five methods were

selected for comparison among applicable methods for North Cyprus in the literature due to implementation ease and accuracy. Thornthwaite and Hamon methods which are temperature based and Solar Radiation-Based, Blaney-Criddle, and Hargreaves methods which are radiation based are employed. Different ET Mapping applications by using Geographical Information Systems (GIS) was provided after calculation of single ET values for every station as annually, seasonally, and monthly. Results have showed that most of the months have negative balance; however, December, January, and February has positive balance for the water-budget of the North Cyprus. As the last step of the thesis, trend analysis of Potential Evapotranspiration has been completed in order to see if there is any statistically significant change in time-series.

Keywords: Data Quality Control, Homogeneity, Evapotranspiration, Trend Analysis, North Cyprus

# ÖZ

KUZEY KIBRIS TÜRK CUMHURİYETİ BUHARLAŞMA ANALİZİ

Koyuncu, Berkay

Yüksek Lisans, Sürdürülebilir Çevre ve Enerji Sistemleri

Tez Yöneticisi: Yrd. Doç. Dr. Bertuğ Akıntuğ

September 2019, 229 sayfa

"Sürdürülebilirlik" terimi gündeme geldiği zaman, su birincil olarak düşünülmesi gereken konuların başında gelir. Özellikle içilebilir kalitede olan kaynakların miktarı ve yüzdesi düşünüldüğünde, bu konunun önemi daha net anlaşılmaktadır. Diğer kaynaklar ile karşılaştırıldığında, yeraltı su kaynakları ileri düzey arıtma gerektirmeden içme suyu tedariği için en uygun seçenek olarak belirtilebilir. Kuzey Kıbrıs'ta yağışlar yeraltı su kaynakları için ana (ve neredeyse tek) besleyici olarak değerlendirilebilir; dolayısıyla bu kaynakların sürdürülebilirliği açısından buharlaşma hayati parametrelerden biridir. Bu çalışmada Kuzey Kıbrıs Türk Cumhuriyeti'nin ve en önemli temiz su kaynağı olan Güzelyurt Akiferi'nin bulunduğu bölge de dahil olmak üzere buharlaşma değerleri belirli metotlar kullanılarak tahmin edilmiştir. Çalışmanın ana misyondan önce, aşırı değer tespiti, veri setlerinin dağılımı, uç değerlerin testleri gibi teslerle verinin kalitesine ve verinin homojenliğine bakılmıştır. Elde edilen ham veriyi kullanmadan önce veri analizi yapılması, çalışmanın güvenilirliği açısından çok önemlidir. Ada'daki su döngüsü incelendiğinde en ciddi doğal su kaybı olarak buharlaşma göze çarpmaktadır ve mevcut veriler ışığında en uygun metotlar ile hesaplanmıştır.

Bu çalışmada Kuzey Kıbrıs geneline dağılmış 33 meteoroloji istasyonda son 37 yıla ait (1978-2015) günlük ortalama sıcaklık ve toplam yağış verileri kullanılmıştır. Buharlaşma yöntemi olarak literatürde sıkça kullanılan ve mevcut veriyle uygulanabileck yöntemler seçilmiştir. Bu bağlamda buharlaşma miktarları beş yöntemle, sıcalık bazlı olan Thornthwaite ve Hamon yöntemleriyle ve radyasyon bazlı olan Solar Radiation-Based, Blaney Criddle, and Hargreaves yöntemleriyle hesaplanmıştır. Sonuçlar göstermiştir ki aylardan çoğu negatif değişim içerisindeyken, sadece Aralık, Ocak, ve şubat ayları pozitif değer vermiştir. Bunun yanı sıra gelecek adına ipucuna sahip olabilmek için çıkan evapotranspirasyon sonuçlarının eğilimleri incelenmiş olup, iklim değişikliği ile olan ilişkisi değerlendirilmiştir. Nihayetinde tüm istasyonlardan elde edilen buharlaşma sonuçları ile kullanılan tüm metotlara göre ArcGIS programı kullanılarak haritalandırma yapılmıştır. Son aşama olarak potansiyel buharlaşmaların trendlerine bakılarak zaman serilerinde kayda değer herhangi bir değişim olup olmadığı gözlemlenmiştir.

Anahtar Kelimeler: Veri Kalitesi Kontrolü, Evapotranspirasyon, Eğilim Analizi, Kuzey Kıbrıs

**To My Family & Lovely Wife**

**ACKNOWLEDGEMENT**

I wish to express my deepest appreciation to Asst. Prof. Dr. Bertuğ Akıntuğ for his supportive and motivator approach all through our research. Also, I would like to declare my gratitude to his expertise and guidance every time I needed. He has always been optimistic and encouraging about my improvement and made me certain and determined for my targets in academia.

I would like to thanks in advance to Prof. Dr. Kahraman Ünlü for his guidance as an expert throughout the research. It would be more challenging without his creative and pathfinder advices.

I would also like to thank to my parents for their heartfelt supports and encouraging approach. It would be impossible to achieve this study without them.

In addition, I would like to present my appreciation to METU-NCC which supported my study by giving me a chance under the research project (BAP FEN-16-K-9) and Civil Engineering Program for giving me teaching assistantship position.

Finally, I would like to express my special appreciation to my lovely wife for her incredible patience and endless support even if she was far from me most of the time.

**TABLE OF CONTENTS**

ABSTRACT ..... vi

ÖZ ..... viii

ACKNOWLEDGEMENT ..... xi

TABLE OF CONTENTS ..... xii

LIST OF TABLES ..... xiv

LIST OF FIGURES ..... xv

CHAPTER 1 INTRODUCTION ..... 1

1.1. Background ..... 1

1.2. Study Area ..... 4

1.2.1. Northern Cyprus (Climate and Geographical Location) ..... 4

1.2.2. Water Resources in Northern Cyprus ..... 4

1.2.3. Observation Stations and Data Sets ..... 5

1.3. Problem Statement ..... 10

1.4. Scope and Objectives of the Study ..... 11

1.5. Organization of the Thesis ..... 12

CHAPTER 2 LITERATURE REVIEW ..... 13

2.1. Introduction ..... 13

2.2. Raw Temperature Data Analysis ..... 15

2.3. Evapotranspiration ..... 16

CHAPTER 3 METHODOLOGY ..... 18

3.1. Introduction ..... 19

3.2. Statistical Analysis of Temperature Data and the Quality Control Stage ..... 19

3.2.1. Distribution Fittings of Data Sets ..... 19
3.2.2. Outlier Tests ..... 20
3.2.3. Homogeneity Analysis ..... 21
3.3. Evapotranspiration Estimation ..... 23
3.3.1. Hamon Method ..... 23
3.3.2. Thornthwaite Method ..... 25
3.3.3. Solar Radiation Based Method ..... 25
3.3.4. Hargreaves Method ..... 26
3.3.5. Blaney-Criddle Method ..... 27
3.4. Evapotranspiration Mapping by Using Geographical Information Systems (GIS) ..... 27
3.5. Mann-Kendall Trend Test ..... 28
CHAPTER 4 RESULTS AND DISCUSSION ..... 30
4.1. Introduction ..... 30
4.2. Statistical Test Results ..... 30
4.3. Evapotranspiration Estimations ..... 37
4.4. Mapping of PET by Using GIS ..... 43
4.5. Trend Analysis ..... 47
CHAPTER 5 CONCLUSION AND FUTURE WORK ..... 52
5.1. PET Conclusion ..... 52
5.2. Precipitation-PET Relation ..... 52
5.3. Future Work Suggestions ..... 53
REFERENCES ..... 54
APPENDIX A ..... 59
APPENDIX B ..... 225

## LIST OF TABLES

Table 1.1 Meteorological station names and coordinates.....6
Table 1.2 Maximum and minimum observed daily mean temperature values.....9
Table 3.2 Duration of sunlight in units of 12 hours according to the Smithsonian Tables .....24
Table 4.1 Normality test results for all the stations .....32
Table 4.2 Inhomogeneity case for all stations .....35
Table 4.3 Utilized parameters in the implemented methods……..41
Table 4.4 Annual PET Correlation coefficients between all methods.....41
Table 4.5 Winter PET Correlation coefficients between all methods .....41
Table 4.6 Summer PET Correlation coefficients between all methods.....42
Table 4.7 Spring PET Correlation coefficients between all methods.....42
Table 4.8 Fall PET Correlation coefficients between all methods .....42
Table 4.9 Mann-Kendall trend test results.....48
Table 4.10 Guzelyurt station precipitation-PET comparison……..…….50
Table 4.11 North Cyprus precipitation-PET comparison .....50
Table 4.12 Comparison between average precipitation and average PET in wet months..51

## LIST OF FIGURES

Figure 1.1 Global water categorization (left), and freshwater sub-categorization (right). 2
Figure 1.2 Location of observation stations in Northern Cyprus for rainfall and temperature ..... 8
Figure 2.1 Hydrologic cycle of a basin (Schwartz and Zhang, 2003) ..... 14
Figure 2.2 Flow chart of the MODIS (Mu et al. 2013) ..... 17
Figure 4.1 Normality test failures method by method ..... 31
Figure 4.2 Total outliers for all the stations ..... 33
Figure 4.3 Minimum outliers for each seasons ..... 34
Figure 4.4 Maximum outliers for each season ..... 34
Figure 4.5 Girne station homogeneity analysis ..... 37
Figure 4.6 Annual cumulative PET averages based on stations ..... 38
Figure 4.7 Cumulative PET averages of Fall season ..... 38
Figure 4.8 Cumulative PET averages of Winter season ..... 39
Figure 4.9 Cumulative PET averages of Spring season ..... 39
Figure 4.10 Cumulative PET averages of Summer season ..... 40
Figure 4.11 Wet season spatial distribution for Thornthwaite Method ..... 43
Figure 4.12 Wet season spatial distribution for Hamon Method ..... 44
Figure 4.13 Wet season spatial distribution for Hargreaves Method ..... 45
Figure 4.14 Wet season spatial distribution for radiation based method ..... 46
Figure 4.15 Wet season spatial distribution for Blaney-Criddle Method ..... 47
Figure 4.16 Stations with positive trends on the North Cyprus map ..... 49

# CHAPTER 1

# INTRODUCTION

## 1.1. Background

Significance of water resources is augmenting day by day due to overpopulation, climate change, and pollutants. Even if there is around eight-billion cubic kilometers water volume stored in the world (Rawls, David, Mullen, & Ward, 1996), only 2.6% of it can be categorized as freshwater resources, which is possible to use as potable water without an advance treatment method. However, major amount of 2.6% freshwater is in ice form; therefore, it is challenging to provide drinking water from them. Accordingly, understanding the hydrologic cycle (estimation of water resources, and transmission process studies such as evaporation and runoff) has critical role for regional solutions and successful management (Patra, 2008).

Despite the recent importance of water due to overpopulation and mismanagement, water resources management was essential even in 3000 B.C. to control or save resources in urban areas (Cech, 2010). Estimations for the Nile behaviors in Ancient Egypt, aqueduct ruins from Roman Empire, and other numerous evidences are showing that the water resources management was and will always be in agenda. As shown in Figure 1.1 available water resources were categorized based on their types (Gleick, 1993). Under the circumstances of this scene, groundwater resources can be counted as the major and the most common drinking water option. Since precipitation, evaporation, infiltration, and runoff are known for regions, further estimations can be done in order to understand the trend of regional water resources.

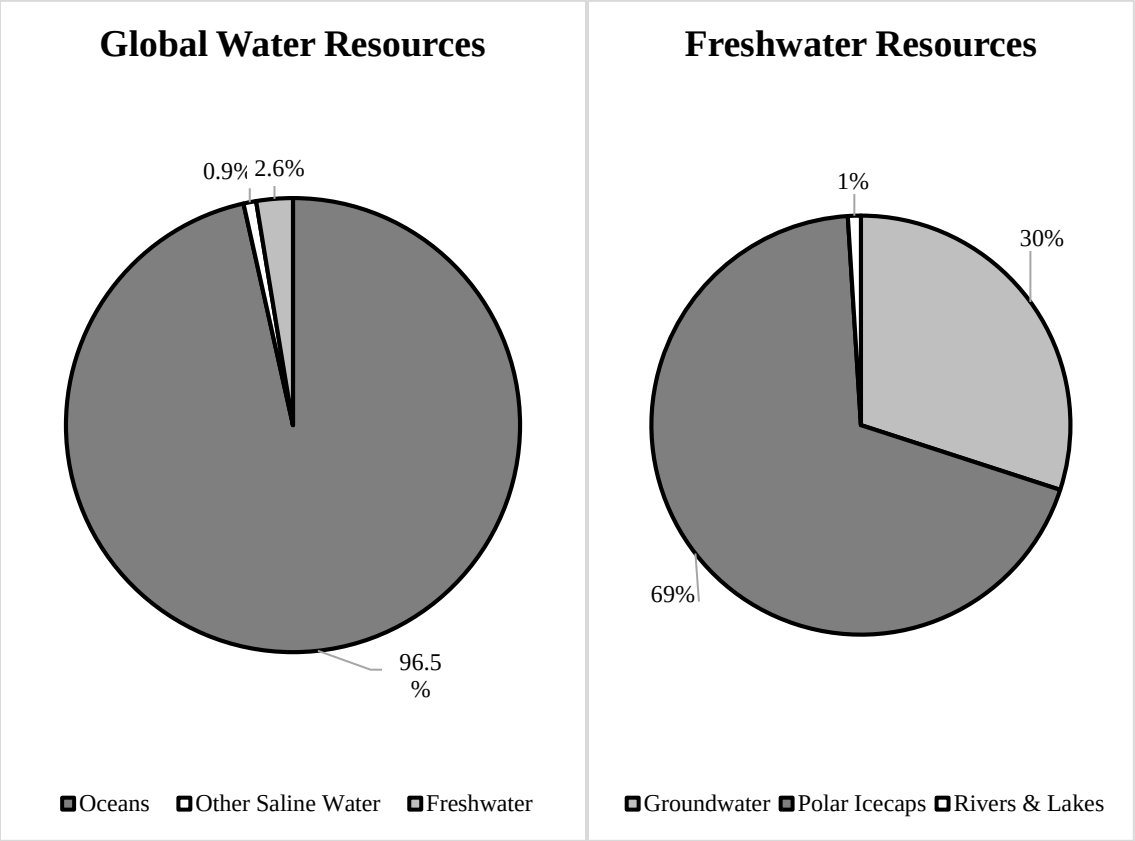



**Figure 1.1** Global water categorization (left), and freshwater sub-categorization (right)

Significance of utilizable water resources has been increasing rapidly for a century due to excessive population growth. In order to supply incremental demand in water, freshwater extraction from groundwater resources became essential and easier based on technologic development. Simplicity of groundwater treatment, which requires only physical treatment most of the cases, provides dramatic profits for the users and/or sellers especially in water-scarce areas. Contrary to surface water, deficiency on groundwater protection legislation is fostering overdrawing unfortunately. Also, there are several additional factors, which are also effective on groundwater resources in quality and quantity aspects, such as extreme precipitations and droughts, and regime changings on surface water streams due to climate change. Under today's conditions, no prosperous scenario can be expected without groundwater management, which can include

optimization on discharge rate (mostly reduction) or reallocating water resources (might be changing on crop type or industrial processes). When the population growth considered, may be a regular increase does not seem feasible on groundwater level; however, protecting current situation or extending the life time of the aquifer might be possible with a well-management (Konikow, & Kendy, 2005).

Depletion on subsurface water level is not causing only water deficiency problems but also causing land subsidence. To avoid drawdowns, recharge and discharge relations for each subsurface resources should be known because of difficulty on total water amount calculation in contrast to surface water. According to the mass balance equation, change in storage should always stay at the positive side or at least it should be zero to refuse water loss. All recharge calculations are always based on estimations by using numerical (theoretical) models, applicable (experimental) studies, chemical tracers, or simulation programs. On the other hand, discharge part is mostly based on data collection and much more reliable than recharge rate; however, usually these data sets are not completely accurate because of uncontrolled water extraction in particularly rural areas (Karamouz et al., 2011).

Surface water resources are also under danger of climate change effects and pollution issue. Since small portion of those resources can be available for daily use, unfortunately they are lack of required diligence. Contrary to what is believed, all the water resources are globally dependent each other. Every hydrologic cycle component should be considered as bidirectional, and all the scenarios must be developed based on this fact.

Besides the pollution and climate change, evaporation from surface water resources is a considerable loss depending on the climatic conditions, and precautions are inadequate due to having non-controllable size of area. Most of the hydrologic models in the literature makes countless assumptions for the evapotranspiration (ET) component; however, it must be examined deeply (Monteith, 1981).

## 1.2. Study Area

### 1.2.1. Climate and Geographical Location of North Cyprus

Cyprus is an island which lies about 70 $^{km}$ south of Turkey, in Mediterranean Sea, and it has always been struggling with droughts due to the geographical location. High annual temperature average (19$^{o}$C) is not the only reason of these droughts but also limited water resources as a consequence of low precipitation (in average 402.8 mm/year) is another factor. As a semi-arid region, the most efficient precipitation period is December for North Cyprus, moreover, July and August have been recorded as the driest months in last four decades (Official Meteorology Office of TRNC). Payab and Türker (2017), analyzed characteristic of drought events in northern part of Cyprus with the help of data from nine different meteorological stations. When precipitation and temperature trends were scrutinized, increase trend on temperature was clearly observed contrary to stable precipitation. This situation is revealed that most of the droughts has been taking place for 12-months, in addition, shorter drought periods, such as 3-months, and 6-months droughts, are also willing to augment.

Under these circumstances, northern part of Cyprus can be defined as a water-scarce area, and as a consequence of that, a pipeline has been built between Turkey and Cyprus in order to supply fresh water. The capacity of the water supply project which is 75 million cubic metere per year, was estimated according to need of North Cyprus until the year 2045. 50.3% of this capacity will be used for municipal water requirements and 49.7% for irrigation purposes (Devlet Su İşleri Official Web Page). With the help of this project, development of future possible plans for the recovery of local water resources was mainly aimed.

### 1.2.2. Water Resources in North Cyprus

When surface water resources are scrutinized there is no continuous flow in any river bed during all the year due to climatic reasons and amount of precipitation. After

precipitations, approximately $45x10^6$ $m^3$ water annually flows in total. In addition, island is quite poor when we consider natural reservoirs; therefore, around 20 man-made reservoirs, which has around $15x10^6$ $m^3$ capacity, were built for groundwater recharge and irrigation purposes (Gunyakti. A, Akintug. B, 1999).

Groundwater resources are quite significant for the island's future; however, almost all of them are on the edge of drought, or already dried out. As a largest freshwater resource in the region, Güzelyurt Aquifer, has approximately 920 $m^3$ water, and consequence of being a coastal aquifer, quantity of water is as significant as quality of water due to danger of seawater intrusion. In addition, according to previous studies, annual discharge rate is still much more than annual recharge despite the water coming from Turkey (Fanta, 2015).

As it was mentioned before, Northern Cyprus does not have actively flowing river; however, there are some artificial reservoirs (dams), and stored water in those reservoirs is quite significant when it comes to provide municipal water. Obviously, evaporation (especially during summer season) is quite high throughout the year due to sunshine exposure. Since the thesis is focused on evapotranspiration from precipitation, evaporation estimation from reservoirs are not calculated in here. In spite of this, this loss cannot be ignored in case of scenario development or water resources management.

### 1.2.3. Observation Stations and Data Sets

Basically, data sets from 33 observation stations are considered for estimations and calculations under the scope of this study. Daily temperature and precipitation data sets from 1978 to 2015 for those stations were provided by the Meteorological Office of TRNC. North Cyprus has 3,354 $km^2$ surface area, in other words every 100 $km^2$ area has a station to represent that sub-area. Station coordinates can be found in Table 1.1.

**Table 1.1** Meteorological station names and coordinates

| FID | Latitude | Longitude | Name |
|---|---|---|---|
| 1 | 35.33575 | 33.16336 | Lapta |
| 2 | 35.34194 | 33.33139 | Girne |
| 3 | 35.29729 | 33.35404 | Beylerbeyi |
| 4 | 35.28825 | 33.28484 | Bogaz |
| 5 | 35.33273 | 33.57852 | Esentepe |
| 6 | 35.23333 | 33.72861 | Gecitkale |
| 7 | 35.13869 | 33.65161 | Vadili |
| 8 | 35.04716 | 33.69582 | Beyarmudu |
| 9 | 35.13639 | 33.93556 | Gazimagusa |
| 10 | 35.1808 | 33.89734 | Salamis |
| 11 | 35.17889 | 33.75861 | Dortyol |
| 12 | 35.28611 | 33.88444 | Iskele |
| 13 | 35.34949 | 34.03129 | Cayirova |
| 14 | 35.42222 | 34.07833 | Mehmetcik |
| 15 | 35.4535 | 34.12451 | Ziyamet |
| 16 | 35.59889 | 34.37917 | Karpaz |
| 17 | 35.53556 | 34.18944 | Yenierenkoy |
| 18 | 35.40056 | 33.91361 | Kantara |
| 19 | 35.29972 | 32.965 | Akdeniz |
| 20 | 35.31611 | 33.07056 | Camlibel |
| 21 | 35.18889 | 32.98194 | Guzelyurt |
| 22 | 35.17306 | 32.92194 | Gaziveren |
| 23 | 35.09664 | 32.84091 | Lefke |
| 24 | 35.17444 | 33.04917 | Zumrutkoy |
| 25 | 35.15917 | 33.50194 | Ercan |
| 26 | 35.25183 | 33.61024 | Serdarli |
| 27 | 35.25276 | 33.47218 | Degirmenlik |
| 28 | 35.28583 | 33.53472 | Alevkaya |
| 29 | 35.18472 | 33.25667 | Alaykoy |
| 30 | 35.19639 | 33.35194 | Lefkosa |

| | | | |
|---|---|---|---|
| 31 | 35.363533 | 33.75399 | Tatlisu |
| 32 | 35.151978 | 32.729995 | Yesilirmak |
| 33 | 35.250169 | 33.658361 | Gonendere |

Daily average temperature data sets were converted into monthly averages for each stations. The reason behind is that the most of the methods are calibrated for monthly evapotranspiration calculation in the literature. In addition, daily evapotranspiration results may have umpteen fluctuation due to daily temperature changes.

Precipitation data sets were also in daily format in the beginning; however, they were also converted to monthly total in order to calculate the relationship between precipitation (P) and potential evapotranspiration (PET).

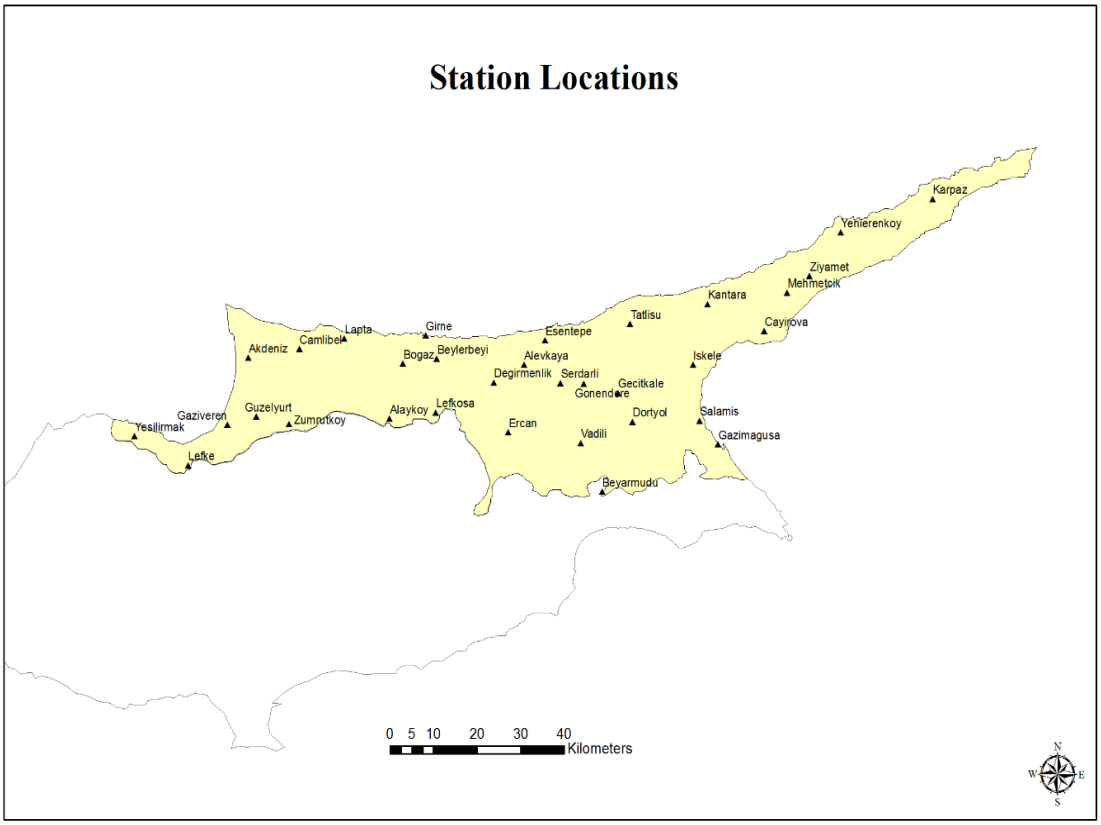



**Figure 1.2** Location of observation stations in North Cyprus for rainfall and temperature

Distribution of the stations is notably significant when the spatial analysis is part of the study. Equal distribution and representative stations for every corner of the island is necessary for reliable results. For this study, distribution of available stations is suitable for spatial analysis. Location of stations can be seen in Figure 1.2.

Raw data sets, which were provided by the Meteorological Office of TRNC, had some missing parts. Therefore, those missing data sets must be completed by using some statistical methods. In the previous study, Çakal (2015) was used Inverse Distance Method and Normal Ratio Method to fill those missing data sets.

Before any further analysis or estimation, raw data sets should be controlled in case of any human mistake. “Quick Analysis” function of Excel was used for this section in order to find extreme values in data sets. World Meteorological Organization’s extreme temperature events were taken as reference, and used for specifying the maximum and minimum thresholds. These values were measured instantaneously; however, data sets in the study are daily average. At this point, an interpolation method called “Inverse Distance Weighting (IDW)” was used to calculate maximum temperature that can be observed on island by using Greece (48$^{o}$C), Tunisia (55$^{o}$C), and Israel (54$^{o}$C). Calculation of minimum threshold was not required due to having at least -4.2$^{o}$C measured value in the all data sets. Fortunately, there were no unexpected value in the data sets.

**Table 1.2** Maximum and minimum observed daily mean temperature values

| Station Name | Max Temperature (°C) | Min Temperature (°C) |
|---|---|---|
| Çamlıbel | 34.1 | 1.5 |
| Lapta | 36.9 | 3.2 |
| Girne | 36.4 | 3.5 |
| Alevkayası | 34.6 | -3.2 |
| Güzelyurt | 35.6 | 0.2 |
| Lefkoşa | 36.3 | 1.4 |
| Ercan | 41.2 | 1.5 |
| Beyarmudu | 37.3 | 2.6 |
| Yeni Erenköy | 36.0 | 1.5 |
| Gazi Mağusa | 33.4 | 3.4 |
| Esentepe | 35.0 | 1.3 |
| Akdeniz | 35.8 | 2.7 |
| Boğaz | 36.5 | 1.5 |

| | | |
|---|---|---|
| Beylerbeyi | 34.2 | 2.9 |
| Değirmenlik | 34.7 | 0.1 |
| Tatlısu | 37.4 | -0.4 |
| Kantara | 33.4 | 1.0 |
| Zümrütköy | 32.5* | 2.4 |
| Lefke | 35.6 | 2.6 |
| Gaziveren | 32.9 | 2.4 |
| Yeşilırmak | 36.5 | 2.7 |
| Alayköy | 35.0 | 2.2 |
| Serdarlı | 35.4 | 0.0 |
| Gönendere | 33.8 | 0.2 |
| Vadili | 36.7 | 2.8 |
| Salamis | 33.7 | 3.5 |
| İskele | 37.3 | 2.1 |
| Çayırova | 33.1 | 3.4 |
| Mehmetçik | 34.1 | 3.6** |
| Ziyamet | 34.6 | 2.1 |
| Dipkarpaz | 32.7 | 3.4 |
| Dörtyol | 34.1 | 2.8 |
| Geçitkale | 37.6 | 2.0 |

*Minimum of maximum values **Maximum of minimum values

### 1.3. Problem Statement

Water has always been a sensitive issue in North Cyprus due to illegal and over discharge, and lack of analysis by experts. Almost all freshwater resources were lost slowly in last six decades, and north part of the island was faced with water scarcity. In the beginning of 2000's, this issue became a crisis, and immediate action had to be taken. Pipe connection between Turkey and North Cyprus has designed and constructed promptly.

Starting from 2015, this pipe system is operational, and transferring 75 million cubic meter fresh water per year. Almost half of this amount is regularly used as potable water and remaining will be used for irrigation purpose in the near future.

Under the circumstances, region's hydrologic cycle must be revealed, and further optimizations are required to make a long-term plan in order to remove country's dependency. The very first stage of this plan should be the estimation of natural water losses and gains which are potential evapotranspiration. Guzelyurt aquifer is the largest freshwater resource in North Cyprus, however, its state of affairs does not look promising for the near future under sea water intrusion and over discharge. Consequently, two significant questions rise in the light of this case;

*Question 1:* Is the potential evapotranspiration estimated based on precipitation and temperature data sets, and other parameters?

*Question 2:* Which regions (stations) have continuous negative balance based on estimation results?

### 1.4. Scope and Objectives of the Study

Since some serious scenario developers started to bring abominable outcomes about future of water resources and consequences, sustainability concept became crucial to implement in this field. Even today, water is a war reason for some sensitive regions like Sudan. North Cyprus is another sensitive region when the natural resources are considered. Apart from the water which consistently comes from Turkey, North Cyprus is not a self-sufficient country. Accordingly, water balance of North Cyprus should be revealed under this context.

The major objective of this study is revealing the main water losses (evapotranspiration) for better water management scenarios in North Cyprus. Due to climatic conditions, evapotranspiration is the main natural water loss and it should be calculated via different

methods for more reliable results. Moreover, trend analysis will help to understand the state of affairs for PET results in near future.

### 1.5. Organization of the Thesis

Outline of the thesis is given in this section as follows. Chapter 1 aims to provide current water allocation and importance of it in basic terms in global scale and specifically for North Cyprus. Location of the study area, climatic conditions, and available data are emphasized in order to derive an idea about the case. In addition, it explains the current problems, moreover, objectives and scope of this study from a general perspective. The second chapter is more likely to explain previous and current applications of evapotranspiration estimations. Previously used theoretical and simulation methods were mentioned in this chapter. Chapter 3 presents the methods, which will be used in this study, their description, and reasons of selection. Furthermore, parameter tables and selection for methods takes place in this chapter. Fourth chapter presents the results, discussion of the results, and method comparison based on their features. The last chapter, Chapter 5, gives the conclusion, and possible suggested future works.

# CHAPTER 2

# LITERATURE REVIEW

## 2.1. Introduction

Since the "sustainable development" term became agenda after World Commission on Environment and Development's report called *Our Common Future* in 1987, viewpoint on water scarcity issues and possible solution ideas have changed. Subsequently, necessity of more comprehensive water-management increased, scenario development and forecasting studies widely spread, moreover, importance of groundwater resources inclined as solution against overpopulation and scarcity issues (Kresic, 2009).

Groundwater withdrawals has almost reached 1,000 $km^3$/year in last 50-year period; subsequently, groundwater resources are consumed in many places due to their high economic profits (Konikow and Kendy, 2005). Under these circumstances, recharge conditions should be revealed in order to understand the water balance of aquifers. Recharge calculations require high sensitivity to measure accurately due to spatial and temporal fluctuations. In addition, precipitation, and evapotranspiration data are vital for all the recharge estimation methods, moreover, knowledge of soil characteristics, vegetation type, groundwater flows, and surface water leakages is increasing the reliability of estimation (Healy, 2010).

One of the most common recharge estimation methods is called groundwater budget, in addition the method considers groundwater flow, surface runoff, evaporation, and soil and vegetation type; therefore, the most vital data are precipitation and temperature in this method. Farvolden (1960) made a research and exemplified several applications of this method to estimate recharge rates for several basins in North America. More than 10 study areas have been analyzed by different researchers, represented which cases are applicable for water-budget method from hydrogeological aspect.

Despite *recharge* and *infiltration* terms are not exactly representing the same thing; however, they are substantially relevant. Czyzyk and Swierkot (2017) represented this relation in their model. By using the water balance, they created a model which is given as follows:

$$IE = P - S - ET - R \tag{2.1}$$

where IE is effective infiltration, P is precipitation, S represents surface runoff, ET means evapotranspiration, and R is the molecular water in the soil. Except R, which is a complex parameter to find due to high sensitivity for a region, other parameters are essential for effective infiltration, and for groundwater recharge.

In order to better understand the hydrologic cycle in a basin, the general model can be helpful at this stage. Stages of this cycle, and the order can be seen in the Figure 2.1 (Schwartz and Zhang, 2003).

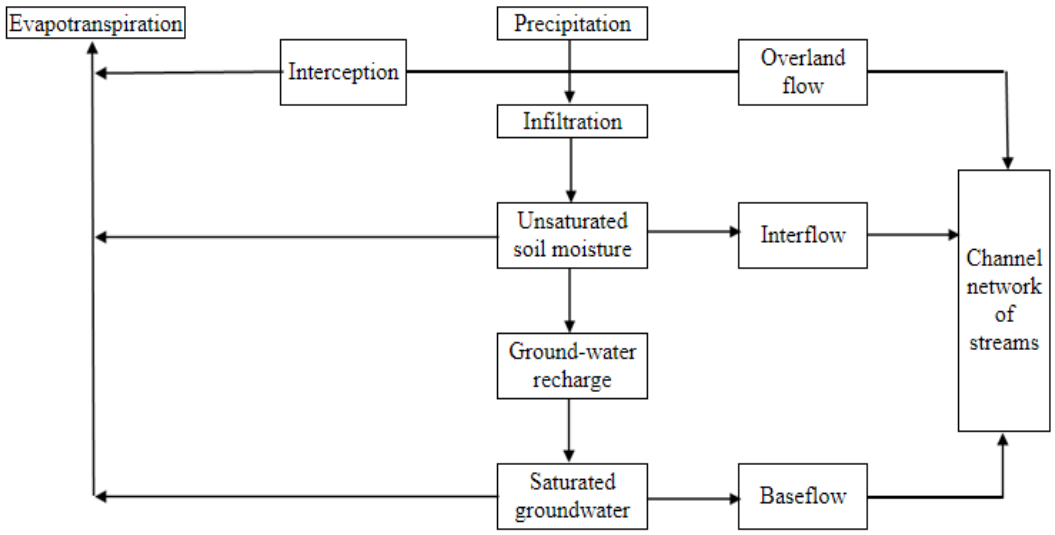



**Figure 2.1** Hydrologic cycle of a basin (Schwartz and Zhang, 2003)

Evapotranspiration is a process that can be occurred at every stage of flow even after groundwater recharge. Depending on the climatic conditions, amount of water loss can be different. Especially, locations with arid and semi-arid climates have mostly high

evapotranspiration; therefore, this situation keeps soil unsaturated almost all the time (Manning, 1997).

Infiltration is the very first step on the way through the recharge. First of all, infiltration estimation is required when finding all the hydrologic cycle parameters. After infiltration stage, water continues to be evaporated and transpirated; however, general water-balance method applications become unreliable without the infiltration estimations (Mao et al. 2016).

### 2.2. Raw Temperature Data Analysis

Before using the provided data in any kind of analysis, some quality control stages must be employed to see whether the data are ready. Zaifoglu et al. (2017) have used homogeneity analysis to detect change-points in precipitation data sets. However, most steps of the statistical hydrology cannot be considered separately. In homogeneity analysis, the data set must be removed from outliers to avoid from effecting the change-points. Gokturk et al. (2007) performed similar homogeneity analysis and correction for Turkey's monthly precipitation data sets, and states that even a single outlier can manipulate the result. Another critical decision in here is the outlier method, and as it was mentioned before, this decision depends distribution of the data set which is the other statistical hydrology stage.

Peterson et al. (1998) had a study based on monthly temperature data analysis, and included all the quality stages. Significantly, they suggested interquartile range method (IQR) for the data set which follows an alternative hypothesis based on normality test result. They stated that, this method is performs well on climatic data. When the data set is normally distributed, Grubbs test would be an appropriate option, which is one of the most common outlier detection methods in the literature for the temperature data set.

## 2.3. Evapotranspiration

Evapotranspiration is a term which is directly related with climatic and surface parameters such as temperature, humidity, wind speed, soil texture, and vegetation type. There are some conventional theoretical methods and simulation models that can estimate potential evapotranspiration based on those parameters. Most commonly used method is known as Penman-Monteith equation due to high accuracy and comprising almost all effective parameters. Bakundukize et al. (2011) used this method while creating a water-balance in Burundi to reveal groundwater estimation. This equation estimates daily potential evapotranspiration by using net radiation at the vegetative surface, wind speed at 2 m height, saturated vapour pressure, actual vapour pressure, slope of the saturation vapour pressure curve, psychrometric constant, solar heat density, and mean air temperature.

Penman-Monteith method does not have any limitation for climate; therefore, this issue makes it advantageous. The only deficit of this method is the vegetation factor. Normally $R_n$ factor considers vegetation during measurement; however, it is possible for only the observation point. Despite the accuracy of Penman-Monteith method, it is not possible to use it for North Cyprus due to inadequacy of wind speed, and net radiation data.

The other commonly used method is known as Priestley-Taylor equation. Lu et al. (2005) defines this equation, and explained parameters which were used in the method. It calculates *PET* as daily potential evapotranspiration (mm/day), uses latent heat vaporization (MJ/kg), daily temperature ($^oC$), and calibration constant depending on the climatic conditions.

Other parameters were defined in Penman-Monteit equation. This equation is suggested to be used in humid climates and on wet surfaces. However, this method cannot be used either due to same data problems as it was defined in Penman-Monteith equation (Zhao et al. 2013).

The other conventional and widely used method was developed by Hargreaves-Samani in 1985. Zhao (2013) explained that this method is suggested for arid and semi-arid climates

with grassland. In theory, it fits well for North Cyprus from climatic aspect; however, method requires the difference of maximum daily temperature and minimum daily temperature which is not available for North Cyprus.

Apart from aforementioned conventional methods, there are recently spread simulation models in literature. The most common model is developed by NASA with the name of MODIS. Basically, this model uses satellite data to create spatial distribution of potential and actual evapotranspiration. Behind the model, it uses Penman-Monteith equation to estimate; however, it also uses standard vegetation references like leaf area index (LAI) and albedo in order to increase reliability of results. The other advantage is that the model calculates the soil evaporation and plant evapotranspiration separately. Figure 2.2 shows the diagram of the model (Mu et al. 2013).

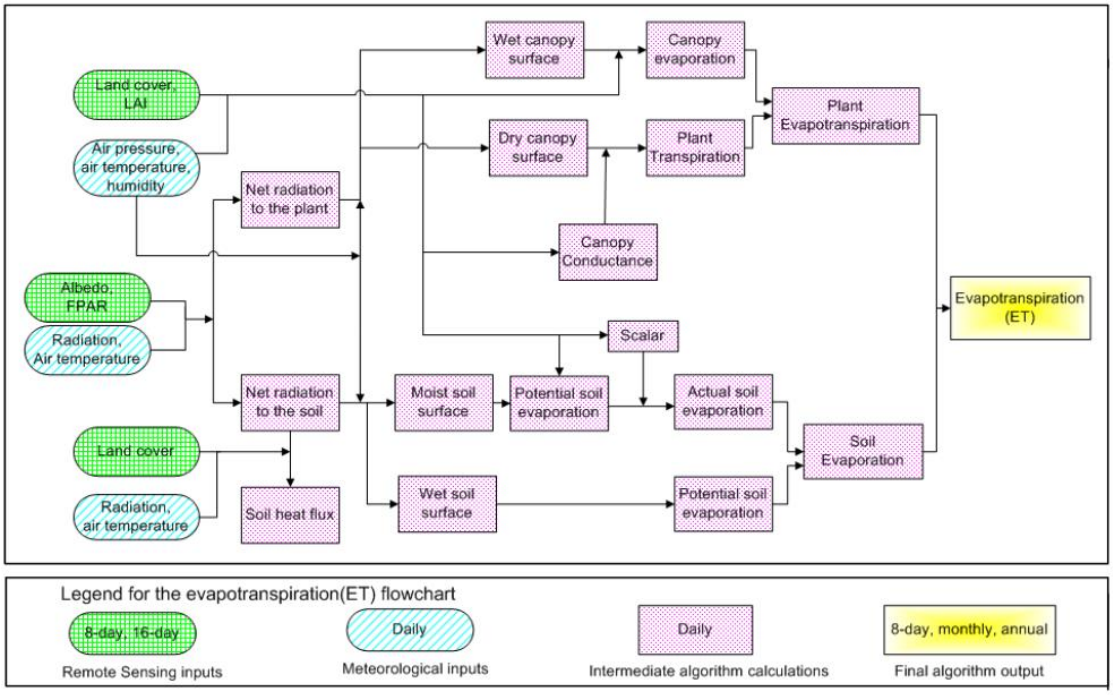



**Figure 2.2** Flow chart of the MODIS (Mu et al. 2013)

Kite and Droogers (2000), has completed an evapotranspiration study in Izmir and Manisa, Turkey. Western region of Turkey can be considered as semi-arid climate, and results are comparable with Northern Cyprus in this sense. Basically, purpose was the estimating evapotranspiration by using crop coefficients. They have used FAO-24 methods which includes Blaney-Criddle, Hargreaves, radiation based, and pan evaporation methods. The study has been completed in 1998 summer, and results from two measurements (June and August) obtained. Averagely, FAO-24 methods estimated 5.1 mm/day and 5.5 mm/day potential evapotranspiration in June and August respectively. Substantially, 150 mm evapotranspiration can be expected in these months including July.

In another study, Mutiga et al. (2010) completed actual ET measurement with satellite remote sensing in upper Ewaso Ng'iro North basin, Kenya. Depending on the area's characteristics, they have found daily actual ET in the range of 2.5 mm/day to 7.5 mm/day. Since Kenya is considered as an arid region, and study has completed in summer, obtained 5.5 mm/day average value is quite reasonable.

Goyal (2004) has used Penman-Monteith method which is the most common and comprehensive one in the literature. Distinctly from other studies, parameters were waived in this study. From -20% to +20%, they have waived their data in order to have a ET range instead of one certain value at the end. Eventually, they have found that, estimated ET value is directly proportional with wind speed, temperature, and vapor pressure parameters.

# CHAPTER 3

# METHODOLOGY

## 3.1. Introduction

The aforementioned objectives in Section 1.4 will be achieved under this chapter with the available methods, models, and data sets. In consequence of semi-arid climate conditions, North Cyprus has a quite sensitive case from water resources management aspect. This chapter explains the methods for data mining and evapotranspiration estimation. Those methods were selected exclusively based on some factors such as climatic conditions, data length, and available parameters.

## 3.2. Statistical Analysis of Temperature Data and the Quality Control Stage

Meteorological Office of North Cyprus provided daily average temperature and daily total precipitation data; however, raw data should be examined by using some statistical methods before any further analysis. As it was mentioned in Section 1.2.3, unexpected values controlled at the beginning, moreover, detailed data mining was done under this chapter. Quality control of the precipitation data sets were already completed in Zaifoglu et al. (2017); therefore, similar stages was followed in this study for temperature data set.

### 3.2.1. Distribution Fittings of Data Sets

Controlling the distribution fitting is a significant step while analyzing the data to understand if it is suitable for future studies such as trend analysis and evapotranspiration estimation. According to the literature, hypothesis test is required before implementing outlier tests. Depending on the results of normality tests, the method selection is changing to determine outliers in the data.

Six different methods were used at this step to see the distribution fitting with 5% significance level to be on the safe side; Shapiro-Wilk, Anderson-Darling, Lilliefors, Jarque-Bera, Kolmogorov-Smirnov Test, and Chi-square. Chi-square test was

implemented on MATLAB, and other five test completed by using XLSTAT which is an Excel extension. Result of the tests can be found in Chapter 4.

### 3.2.2. Outlier Tests

Normality test results have critical significance to determine outliers, and outliers should be specified for homogeneity analysis (Peterson et al, 1998). According to the literature, basic standard deviation methods are not accurate enough on climatic data. One of the most suggested methods in the literature is **interquartile range test (IQR)** which is basically finding maximum and minimum threshold values for every data sets. Values above the maximum threshold, and values below the minimum threshold defined as outlier according to the method. Method hinges on the difference between maximum ($3^{rd}$) quartile and minimum ($1^{st}$) quartile, called interquartile range, and after that, this difference will act like a standard deviation to find outliers such as;

$$IQR = Q_3 - Q_1 \quad (3.1)$$

$$P_{out} = Q_3 + 1.5\,IQR \quad (3.2)$$

$$P_{out} = Q_1 - 1.5\,IQR \quad (3.3)$$

where;

$Q_3$*:* third quartile (data point on $75^{th}$ percentile of the data set

$Q_1$*:* first quartile (data point on $25^{th}$ percentile of the data set

$P_{out}$*:* maximum and minimum thresholds (critical values)

IQR method is suggested when data is not-normally distributed, otherwise, results may not be accurate.

Applies **Grubbs' test** for outliers, which removes one outlier per iteration based on hypothesis testing. This method assumes that the data set is normally distributed. This test

was implemented in MATLAB for the ones which do not reject null hypothesis. The method uses mean and standard deviation.

$$T_{min} = \frac{x_{mean} - x_i}{s} \tag{3.4}$$

$$T_{max} = \frac{x_n - x_{mean}}{s} \tag{3.5}$$

where

$X_i$ = suspected minimum outlier

$X_n$ = suspected maximum outlier

$X_{mean}$ = average of the data set

$S$ = standard deviation

$T_{min}$ = minimum critical value

$T_{max}$ = maximum critical value

After checking both points, $T_{min}$ and $T_{max}$ should be compared with critical value list. If these points are not in the confidence level, then they are defined as outliers, moreover, second maximum and second minimum values should be checked.

### 3.2.3. Homogeneity Analysis

Homogeneity analysis aims to find change-points in data sets. After changing the outliers with thresholds, data sets were ready to homogeneity analysis. Basically, it specifies when there is a significant change at some point. This significance depends on the mean, confidence level, number of observations, and standard deviation (Lanzante and Klein, 2002). Standard Normal Homogeneity Test (SNHT) was employed to control change-points and reveal whether they are significant. Khaliq and Ouarda (2007) emphasized accuracy of this method on climatological data, and revealed critical values based on observation numbers. The equation is given as follows:

$$T = max\{az_1^2 + (n-a)z_2^2\} \quad 1 \le a \le n-1 \tag{3.6}$$

where $z_1$ and $z_2$ represent averages before and after change-point, $T$ is the maximum critical value, $n$ is number of observations, and $a$ represents a possible change-point in the data sets (first and last points cannot be a change-point). Logic behind this equation is that every data point is considered as a possible change-point. When the maximum $T$ comes out, it should be compared with the critical value. Critical values are given in Khaliq and Ouarda (2007), and represented in Figure 3.1.

**Table 3.1** Critical values of SHNT

| Sample Size | Critical Level (%) | | | | |
|---|---|---|---|---|---|
| | 90 | 92 | 94 | 95 | 97.5 |
| 10 | 4.96 | 5.20 | 5.47 | 5.64 | 6.19 |
| 12 | 5.29 | 5.55 | 5.88 | 6.07 | 6.73 |
| 14 | 5.54 | 5.83 | 6.19 | 6.40 | 7.15 |
| 16 | 5.75 | 6.06 | 6.44 | 6.67 | 7.49 |
| 18 | 5.92 | 6.25 | 6.65 | 6.90 | 7.77 |
| 20 | 6.07 | 6.41 | 6.83 | 7.09 | 8.01 |
| 22 | 6.20 | 6.55 | 6.99 | 7.26 | 8.22 |
| 24 | 6.31 | 6.67 | 7.12 | 7.40 | 8.40 |
| 26 | 6.42 | 6.78 | 7.25 | 7.53 | 8.56 |
| 28 | 6.51 | 6.88 | 7.35 | 7.64 | 8.70 |
| 30 | 6.59 | 6.97 | 7.45 | 7.75 | 8.82 |
| 32 | 6.67 | 7.06 | 7.54 | 7.84 | 8.94 |
| 34 | 6.74 | 7.13 | 7.63 | 7.93 | 9.05 |
| 36 | 6.80 | 7.20 | 7.70 | 8.00 | 9.14 |
| 38 | 6.86 | 7.26 | 7.77 | 8.08 | 9.23 |
| 40 | 6.92 | 7.32 | 7.83 | 8.15 | 9.31 |
| 42 | 6.97 | 7.38 | 7.89 | 8.21 | 9.39 |
| 44 | 7.02 | 7.43 | 7.95 | 8.27 | 9.46 |
| 46 | 7.07 | 7.48 | 8.00 | 8.33 | 9.53 |
| 48 | 7.11 | 7.53 | 8.05 | 8.38 | 9.59 |
| 50 | 7.15 | 7.57 | 8.10 | 8.43 | 9.65 |

When daily temperature data sets were converted to monthly data sets, there were 37 months to control homogeneity for every station (i.e. 37 september, 37 october, etc.). Therefore, interpolation (sample size = 37) was implemented to find the critical value in the 95% confidence level.

### 3.3. Evapotranspiration Estimation

Depending on the climatic conditions, evapotranspiration can cause significant amount of water loss throughout the year. Evapotranspiration is a factor which effects reservoirs, crop types, and efficiency. Besides the theoretical methods and simulation models, there are applied ways to measure evapotranspiration such as lysimeters. However, these are expensive methods, moreover, not practical for large scale measurements. They are mostly useful while measuring crop and specific vegetation related losses (Kashyap and Panda, 2001).

#### 3.3.1. Hamon Method

Hamon (1960) developed a temperature based equation by using limited parameters. Method is calibrated for monthly and daily calculations. Hamon does not have any climatic or vegetation limitation. Despite the disadvantages on reliability due to parameter limitation, it is advantageous on implementation ease. Following equation gives the monthly estimation as:

$$PET = (13.97d)D^2W_t \tag{3.7}$$

where

*PET:* potential evapotranspiration (mm/month)

*d:* the number of days in a month

*D:* the mean monthly hours of daylight in units of 12 hours (such as 15/12=1.25)

$W_t$*:* saturated vapor density (g/m$^3$)

Saturated vapor density, $W_t$, can be obtained as:

$$Wt = (4.95e^{0.62T})/100 \quad (3.8)$$

where $T$ is the mean monthly temperature ($^oC$).

In Equation 12, $D$ is an important parameter and it is based on the location's latitude. $D$ values for the location of North Cyprus are given in Table 3.1 according to the Smithsonian Meteorological Outcomes.

**Table 3.2** Duration of sunlight in units of 12 hours according to the Smithsonian Tables

| **Latitude = 35.095192** | |
|---|---|
| **Month** | **D** |
| January | 0.83 |
| February | 0.91 |
| March | 1.00 |
| April | 1.09 |
| May | 1.17 |
| June | 1.21 |
| July | 1.19 |
| August | 1.12 |
| September | 1.03 |
| October | 0.95 |
| November | 0.86 |
| December | 0.82 |

### 3.3.2. Thornthwaite Method

Thornthwaite is a temperature based method one of the oldest ways to estimate PET in the literature, which is developed in 1948. Due to being in the literature for a long time, it was used frequently for hydrologic models and water balance methods such as Palmer Drought Analysis. This method has climatic limitations contrary to Hamon equation which is given in the previous section. Even though it was developed for humid regions it is suitable to use due to implementation ease and field appropriateness. Moreover, it will be beneficial in order to see difference on results with other methods. The equation is given as follows:

$$PET_0 = 16\left(\frac{10T_i}{I}\right)^a\left(\frac{N}{12}\right)\left(\frac{1}{30}\right) \tag{3.9}$$

$$\mathrm{I} = \sum_{\mathrm{i}=1}^{12}\left(\frac{\mathrm{T_i}}{5}\right)^{1.514} \tag{3.10}$$

$$\alpha = (492390 + 17820I - 771I^2 + 0.675I^3)x10^{-6} \tag{3.11}$$

where

$T_i$: monthly temperature ($^o$C)

*N:* mean monthly sunshine hour

*I:* annual heat index (every year has one index)

### 3.3.3. Solar Radiation Based Method

Irmak et al. (2003) has used Food and Agriculture Organization Penman-Monteith (FAO56-PM) method as an index to derive radiation based equation. Basically, this equation estimates daily potential evapotranspiration as a grass reference method. The equation is given as follows:

$$PET = -0.611 + 0.149R_{sn} + 0.079T \tag{3.12}$$

where *PET* is potential evapotranspiration (mm/day), and $R_{sn}$ is net incoming solar radiation (MJ/m$^2$day).

At this point, $R_{sn}$ is the main factor that effects the PET estimation. This factor is totally depending on vegetation type of the region due to plant absorption.

$$R_{sn} = (1 - a)R_s \tag{3.13}$$

where $R_s$ is incoming radiation (MJ/m$^2$day), and *a* is the albedo grass reference.

### 3.3.4. Hargreaves Method

Hargreaves developed a method in 1975 based on short wave radiation. In 1980s, his method is derived couple of times. At first, daily mean temperature is used in the equation:

$$PET = 0.0135(T + 17.8)(\frac{R_s}{\lambda}) \tag{3.14}$$

where *PET* is potential evapotranspiration (mm/day), *T* is the daily mean temperature (°C), $R_s$ is the incoming short wave radiation (MJ/m$^2$day), and λ is the latent heat of vaporization (MJ/kg).

Harrison (1963) gives the latent heat vaporization as follows:

$$\lambda = 2.501 - (2.361 * 10^{-3})T \tag{3.15}$$

After derivations, Hargreaves and Samani (1985) gave a radiation based equation and this time they have used daily temperature difference ($T_{max}$ - $T_{min}$). Due to inadequacy of daily maximum and minimum temperature data, Hargreaves (1975) equation is used. Results of this method is given in Chapter 4, and Appendix A as monthly outcomes.

### 3.3.5. Blaney-Criddle Method

In 1959, Blaney-Criddle method was developed and suggested to employ on arid and semi-arid regions. The major advantage of this method is that it considers vegetation type and density in order to give reliable results. Equation is given as follows (Usul, 2015):

$$PET = 25.4kf \tag{3.16}$$

where *PET* is the potential evapotranspiration in mm/month, *k* is the monthly coefficient of crop (depending on vegetation type) varies from 0.5 for orange tree to 1.2 for dense vegetation, and *f* is the climatic factor which is given as

$$f = \frac{1.8T + 32}{100} p \tag{3.17}$$

where *T* is the mean monthly temperature, *p* is the monthly sunshine hours as a percentage of annual amount.

In Xu and Singth (2002), *k* value was taken as 0.45 and 0.85 for non-growing season (October to March), and growing season (April to September) respectively based on Blaney-Criddle recommendation in the case study of Switzerland. The same values for the same periods were taken in this study.

## 3.4. Evapotranspiration Mapping by Using Geographical Information Systems

The representation of PET with spatial analysis in GIS is mostly willing to provide better conclusions in order to understand the situation using results in tables. In this study, results are entered station by station into the GIS, and seasonal and annual maps are developed. Basically, border of North Cyprus is defined, stations located, and results were uploaded in GIS, moreover, inverse distance weighting (IDW) interpolation technique is implemented for spatial distribution.

Elevation factor is ignored in this study due to uncertainty of stations altitude. However, elevation should be considered while the interpolation implementation. Vicente-Serrano

(2007) emphasized and analyzed elevation factor for ET mapping in GIS based on Hargreaves method in Europe, the Ebro Valley.

### 3.5. Mann-Kendall Trend Test

As the last step of computations, Mann-Kendall trend test will be employed in order to see if there are any significant changes in the time-series. Zaifoğlu et al. (2017) has revealed that there is no significant change observed for daily precipitation data. If there is any increasing trend for PET, this will mean that North Cyprus will be getting more and more dry every year.

Basically, Mann-Kendall is the most commonly employed test for trend specification in the literature especially for the climatic data sets. The equation is given as follows:

$$S = \sum_{k=1}^{n-1} \sum_{j=k+1}^{n} sgn(x_j - x_i) \tag{3.18}$$

$$sgn(x_j - x_i) \begin{cases} 1, x_i < x_j \\ 0, x_i = x_j \\ -1, x_i > x_j \end{cases} \tag{3.19}$$

where, *S* is the Mann-Kendall test statistic value, $x_i$ and $x_j$ are the consecutive data points, and *sgn* represents the sign of the change. While observing the trend in a time-series, change between data points should be specified with the positive or negative sign (can be also zero in case of steadiness). Variance of S should be calculated as the next step:

$$Var(S) = [n(n-1)(2n+5) \sum_{i=1}^{m} t_i(t_i - 1)(2t_i + 5)]/18 \tag{3.20}$$

where *m* represents number of groups, and $t_i$ is the number of tied observations. As the last step, the significance should be specified because there are trends in most of the cases;

however, the important point is the revealing whether this trend is significant. Subsequently $Z$ scores should be calculated:

$$Z = \begin{cases} (S-1)/\sqrt{Var(S)} & S > 0 \\ 0 & S = 0 \\ (S+1)/\sqrt{Var(S)} & S < 0 \end{cases} \tag{3.21}$$

In the Chapter 4, computations will be shared which includes statistical test results, evapotranspiration estimations, and method comparisons. Basically, next chapter will give the most remarkable results, moreover, detailed numerical results, and extra tables and figures will be displayed in appendixes.

# CHAPTER 4

# RESULTS AND DISCUSSION

## 4.1. Introduction

In Chapter 3, implemented evapotranspiration methods were presented. Statistical test results are available in this chapter. With the monthly and daily data sets, evapotranspiration estimations are completed, and water balance of the island is revealed substantially.

## 4.2. Statistical Test Results

The very first step was the normality test before doing any further analysis. Next steps require to know whether the data set is normally distributed. In order to understand this, five different distribution tests were implemented: (1) Shapiro-Wilk, (2) Anderson-Darling, (3) Lilliefors, (4) Jarque-Bera, and (5) Chi-Square. In order to decide the distribution of a data set, majority of the results should be considered. If at least three methods accept null hypothesis, then the data set is considered as normally distributed. Otherwise, the data set considered as not-normally distributed. Figure 4.1. shows the failures month by month for each tests.

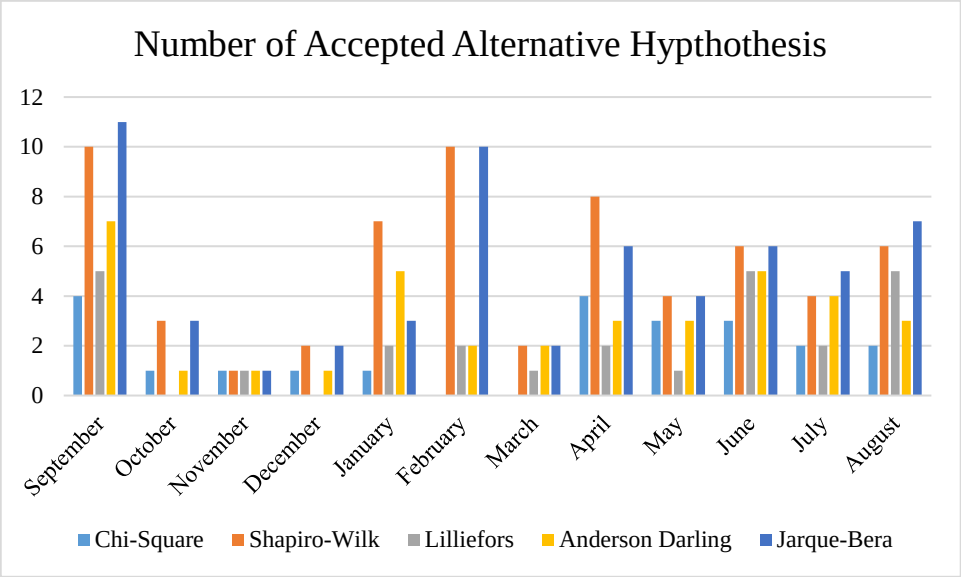



**Figure 4.1** Normality test failures method by method

**Table 4.1** Normality test results for all the stations

| Name | September | October | November | December | January | February | March | April | May | June | July | August |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lapta | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL |
| Girne | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Beylerbeyi | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Bogaz | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL |
| Esentepe | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Gecitkale | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Vadili | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Beyarmudu | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Gazimagusa | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Salamis | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Dortyol | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Iskele | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL |
| Cayirova | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Mehmetcik | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Ziyamet | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Karpaz | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Yenierenkoy | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Kantara | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL |
| Akdeniz | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Camlibel | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT |
| Guzelyurt | NOT | NOT | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NOT | NOT | NOT | NOT | NOT |
| Gaziveren | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NOT | NORMAL |
| Lefke | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Zumrutkoy | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NOT | NOT | NORMAL |
| Ercan | NOT | NORMAL | NOT | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Serdarli | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Degirmenlik | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Alevkaya | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Alaykoy | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Lefkosa | NOT | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NOT | NORMAL | NOT | NOT | NOT |
| Tatlisu | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |
| Yesilirmak | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NOT | NORMAL | NORMAL | NORMAL | NORMAL |
| Gonendere | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL | NORMAL |

In Table 4.1, results of all the data sets are shared based on aforementioned normality tests. At this point, Güzelyurt, Zümrütkoy, and Lefkoşa seem like most problematic ones with their at least four not-normal distributed months. Moreover, when Güzelyurt region's sensitivity considered due to the largest groundwater resource in the island, this issue makes it harder to create water management scenarios.

Outlier specification was the second step before homogeneity analysis. Two different methods were used; (1) Grubbs test for normally distributed months, and (2) IQR method for not-normally distributed months.

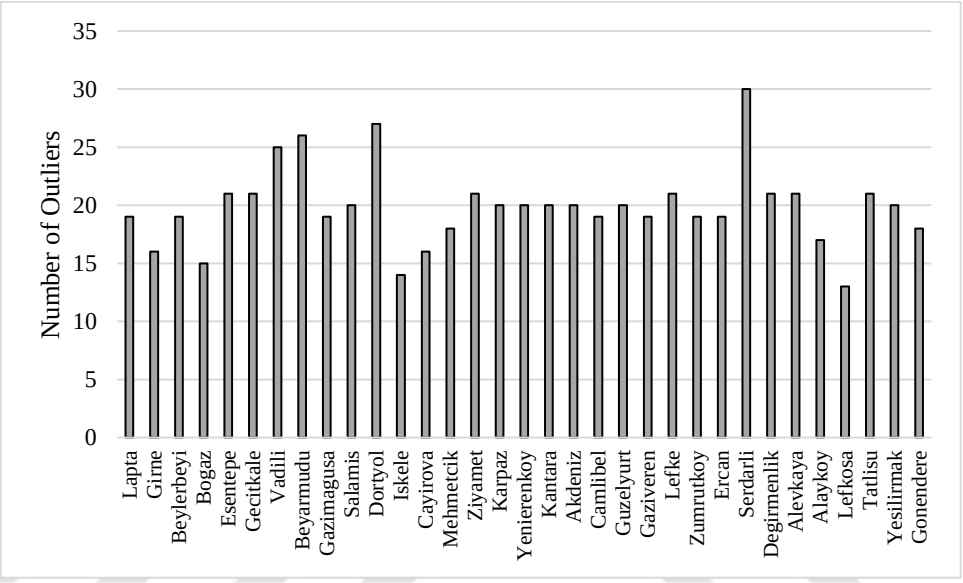



**Figure 4.2** Total outliers for all the stations

Every station has 12 months, thereby, 12 data sets to check. Sample size is 37 years (i.e. 37 Septembers, 37 Octobers, etc.); therefore, some data sets have more than one outlier, and some of them have none. The most interesting result in here is about Lefkosa station. As one of the most not-normally distributed sets, Lefkosa gives the least outliers in total (Figure 4.2.).

In order to see seasonal outliers, minimum and maximum outliers were separated and displayed in Figure 4.3 and Figure 4.4, respectively. Winter season shows quite consistent results in here. According to the minimum outliers, winter seasons experience low values more than normal. Also this season is quite weak to have high values compared to other seasons.

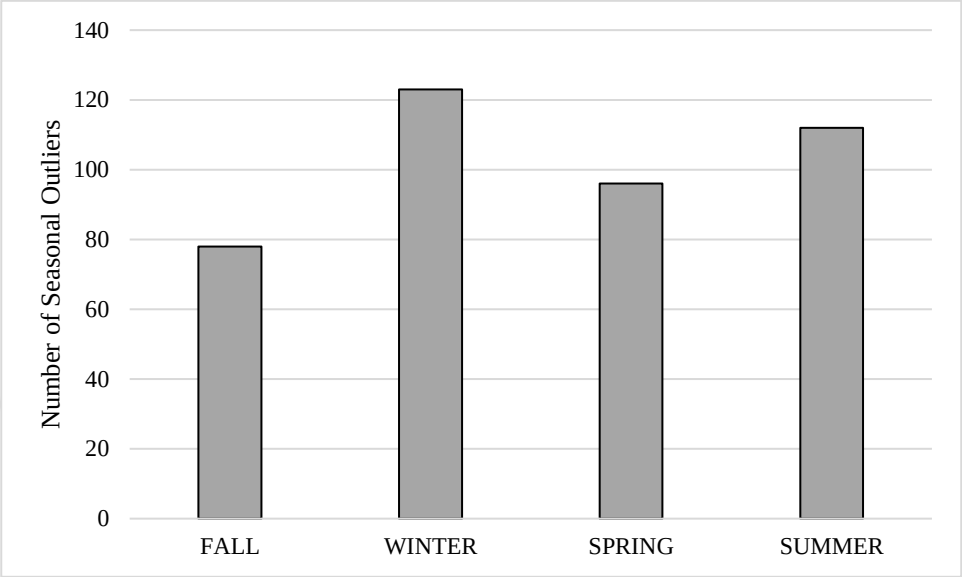



**Figure 4.3** Minimum outliers for each seasons

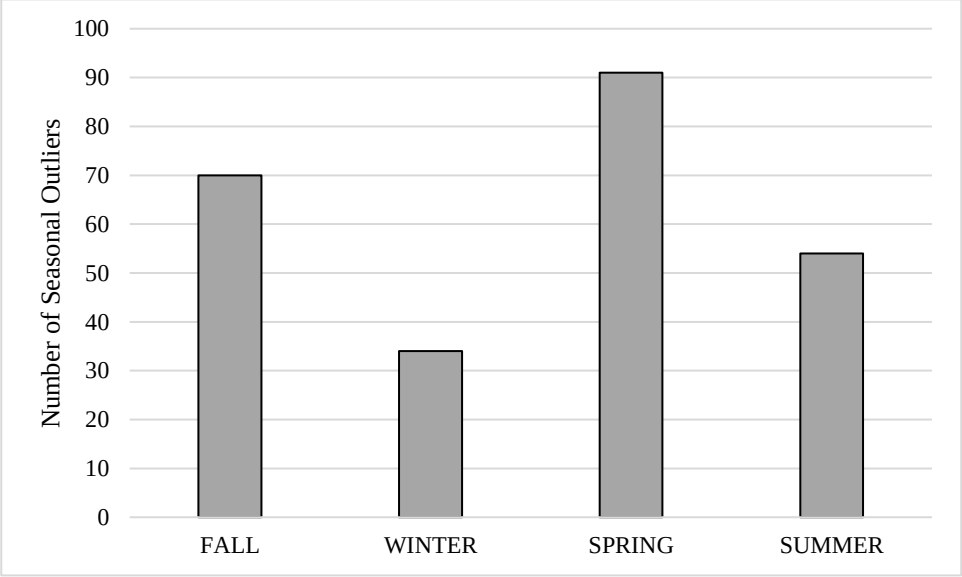



**Figure 4.4** Maximum outliers for each season

After outlier specification, all of them should be changed before the homogeneity analysis. According to the literature, there are three approaches; (1) outliers can be completely removed, (2) outliers can be changed with threshold values, (3) outliers can be change

with minimum and maximum values. In this study, third approach was chosen. All the outliers were changed, and then SNHT was performed on all stations. There is an important issue at this point. While outlier specification, all the months were examined separately; however, homogeneity test can analysis fluctuated data sets. Therefore, complete time-series used as input for each stations.

**Table 4.2** Inhomogeneity case for all stations

| Name | Inhomogeneity | p-value | Mean 1 | Mean 2 |
|---|---|---|---|---|
| Lapta | - | 0.276 | - | - |
| Girne | 1993 April | 0.037 | 19.17 | 21.01 |
| Beylerbeyi | - | 0.357 | - | - |
| Bogaz | - | 0.764 | - | - |
| Esentepe | - | 0.697 | - | - |
| Gecitkale | - | 0.611 | - | - |
| Vadili | - | 0.635 | - | - |
| Beyarmudu | - | 0.444 | - | - |
| Gazimagusa | - | 0.568 | - | - |
| Salamis | - | 0.584 | - | - |
| Dortyol | - | 0.504 | - | - |
| Iskele | - | 0.384 | - | - |
| Cayirova | - | 0.433 | - | - |
| Mehmetcik | - | 0.582 | - | - |
| Ziyamet | - | 0.335 | - | - |
| Karpaz | - | 0.734 | - | - |
| Yenierenkoy | - | 0.253 | - | - |
| Kantara | - | 0.714 | - | - |
| Akdeniz | - | 0.714 | - | - |

| | | | | |
|---|---|---|---|---|
| Camlibel | - | 0.526 | - | - |
| Guzelyurt | - | 0.473 | - | - |
| Gaziveren | - | 0.486 | - | - |
| Lefke | - | 0.668 | - | - |
| Zumrutkoy | - | 0.496 | - | - |
| Ercan | - | 0.521 | - | - |
| Serdarli | - | 0.18 | - | - |
| Degirmenlik | - | 0.57 | - | - |
| Alevkaya | - | 0.594 | - | - |
| Alaykoy | - | 0.529 | - | - |
| Lefkosa | - | 0.558 | - | - |
| Tatlisu | - | 0.77 | - | - |
| Yesilirmak | - | 0.777 | - | - |
| Gonendere | - | 0.565 | - | - |

As seen from Table 4.2, only Girne station has inhomogeneity at April, 1993. Figure 4.5 shows the change point, and the mean difference. In Figure 4.5, “mu1” is the mean before change-point, and “mu2” is the mean after change-point.

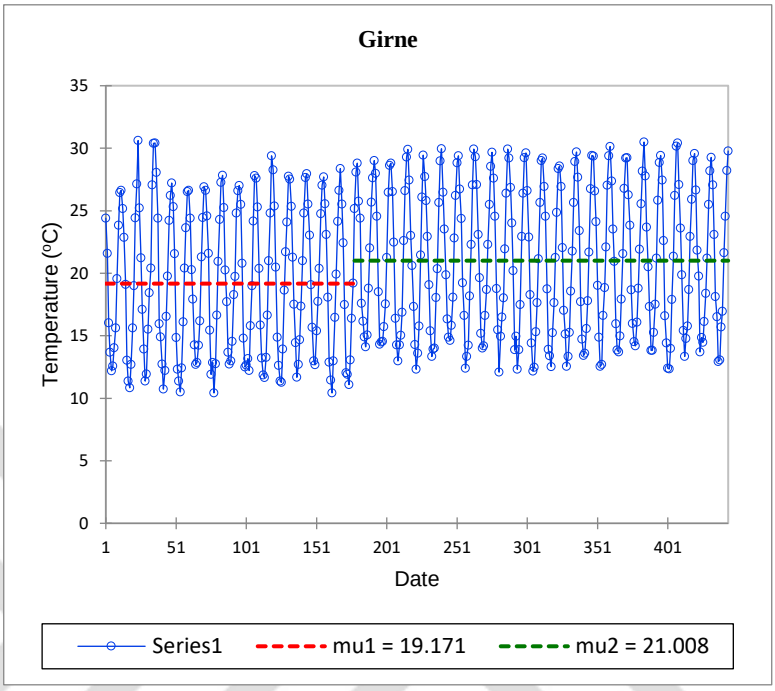



**Figure 4.5** Girne station homogeneity analysis

In the Figure 4.5, x-axes display the date. The very first point (1) is the September 1978, and the last point (444) is the August 2015. The homogeneity is observed at 177$^{th}$ point which is April 1993. After this month, Girne observation station started to measure higher air temperature. The reason behind it might be method change, climate change, calibration problem, or environmental change.

### 4.3. Evapotranspiration Estimations

Thirty-three stations across North Cyprus was examined, and evapotranspiration estimations have completed for all the stations. Five different methods were performed during the computations; (1) Radiation-based method (Rs), (2) Hamon equation (HM), (3) Thornthwaite equation (TH), (4) Blaney-Criddle method (BC), and (5) Hargreaves equation (HG).

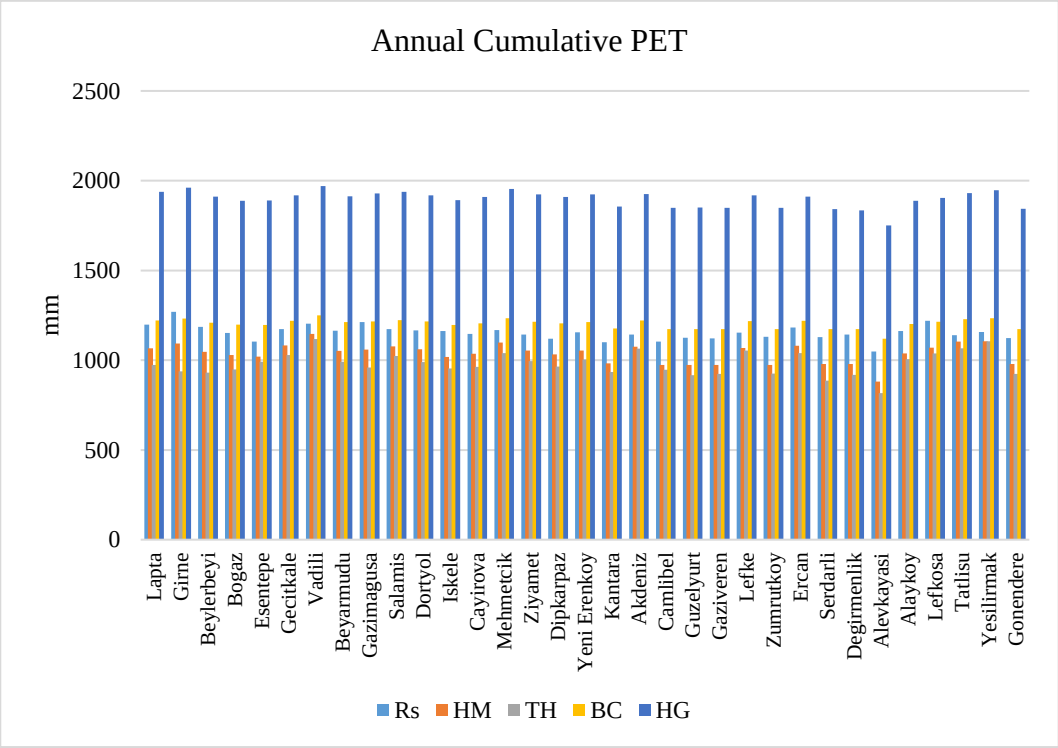



**Figure 4.6** Annual cumulative PET averages based on stations

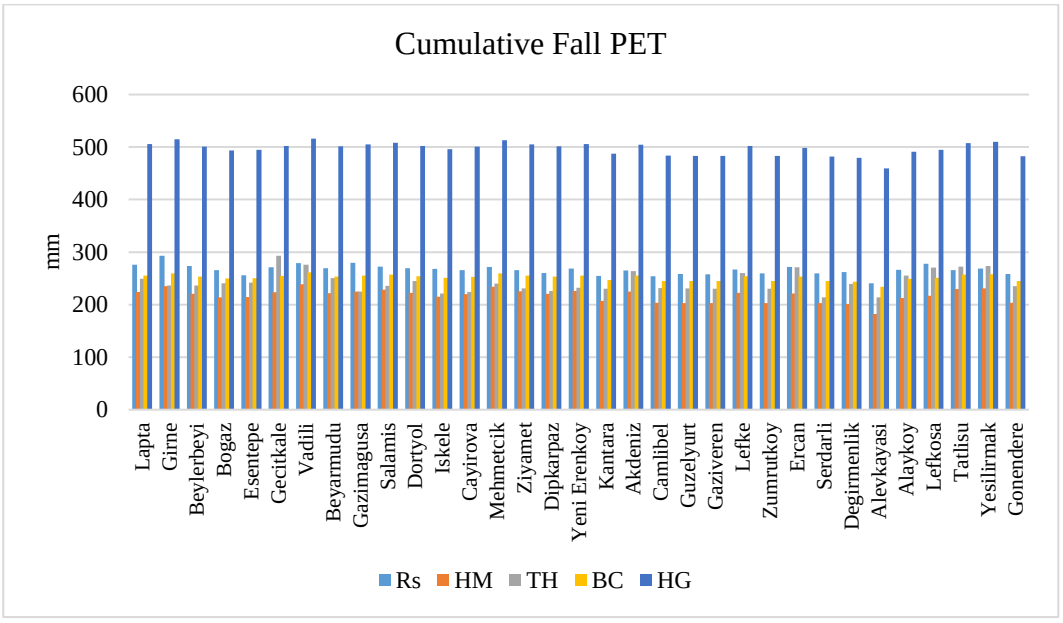



**Figure 4.7** Cumulative PET averages of Fall season

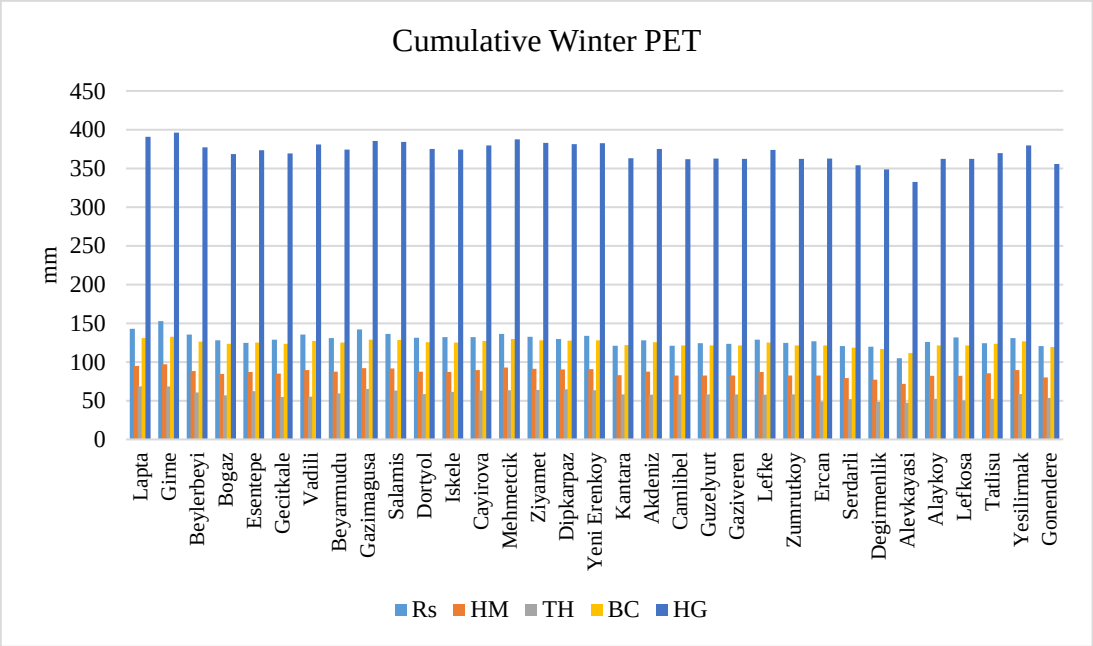



**Figure 4.8** Cumulative PET averages of Winter season

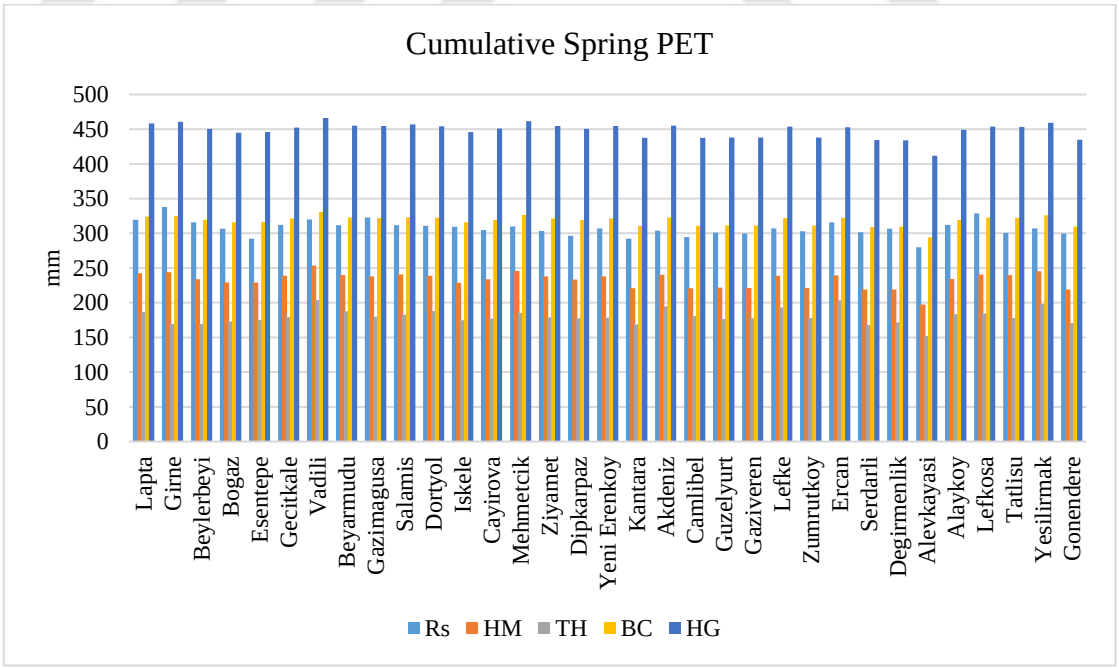



**Figure 4.9** Cumulative PET averages of Spring season

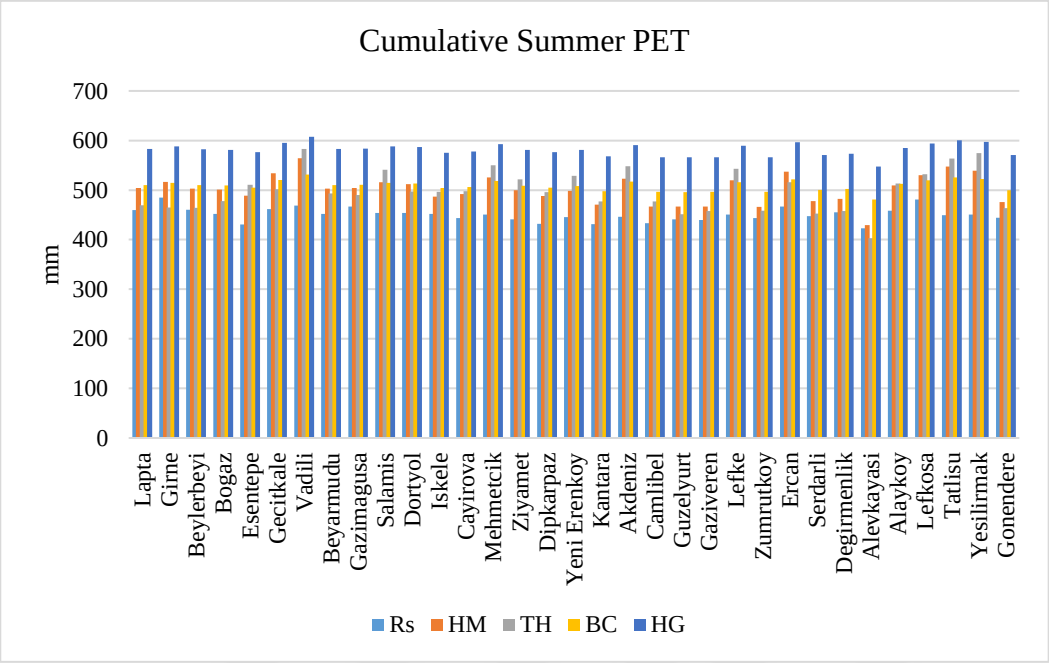



**Figure 4.10** Cumulative PET averages of Summer season

Figure 4.6 to 4.10 display the PET estimated amounts annually and seasonally. Results show differences based on varied parameters. The most remarkable outcome seems like the Hargreaves equation's overestimation compared to other methods. Since the temperature is high, Hargreaves estimations approach to the other method estimations. The reason behind it is the solar radiation. When the solar radiation is going to be included, vegetation factor must be considered too in the method. Vegetation is a factor that can change solar radiation's effect on ET calculations. For instance, Rs method uses albedo grass reference in the equation because the method is based on solar radiation. High vegetation decreases the effect of solar radiation, and prevents over estimated results. This is the basic reason of the overestimation of Hargreaves equation especially in low temperature.

Table 4.3 indicates the related parameters for the implemented methods in the scope of this thesis. Based on parameter utilization, radiation-based method seems as the most comprehensive one.

**Table 4.3** Utilized parameters in the implemented methods

| | Parameter | | |
|---|---|---|---|
| Method | Temperature | Radiation | Vegetation |
| Hamon (HM) | + | - | - |
| Thornthwaite (TH) | + | - | - |
| Hargreaves (HG) | + | + | - |
| Blaney-Criddle (BC) | + | - | + |
| Radiation-based (Rs) | + | + | + |

As the next step, Pearson correlation coefficients were calculated to understand if there is any relation between some of the implemented methods. Significance level is taken as 0.5% as previous processes. Annual (Table 4.3) and seasonal (Table 4.4, 4.5, 4.6, and 4.7) coefficients were calculated separately. The reason behind is that they are not based on only temperature. In order to see the effect of other factors, seasonal coefficients are quite important.

**Table 4.4** Annual PET Correlation coefficients between all methods

| **Variables** | **RS** | **HM** | **TH** | **BC** | **HG** |
|---|---|---|---|---|---|
| **RS** | 1 | 0.742 | 0.436 | 0.754 | 0.749 |
| **HM** | 0.742 | 1 | 0.881 | 0.993 | 0.966 |
| **TH** | 0.436 | 0.881 | 1 | 0.854 | 0.794 |
| **BC** | 0.754 | 0.993 | 0.854 | 1 | 0.988 |
| **HG** | 0.749 | 0.966 | 0.794 | 0.988 | 1 |

**Table 4.5** Winter PET Correlation coefficients between all methods

| **Variables** | **RS** | **HM** | **TH** | **BC** | **HG** |
|---|---|---|---|---|---|
| **RS** | 1 | 0.917 | 0.737 | 0.915 | 0.916 |
| **HM** | 0.917 | 1 | 0.870 | 0.999 | 0.999 |
| **TH** | 0.737 | 0.870 | 1 | 0.866 | 0.857 |
| **BC** | 0.915 | 0.999 | 0.866 | 1 | 1.000 |
| **HG** | 0.916 | 0.999 | 0.857 | 1.000 | 1 |

**Table 4.6** Summer PET Correlation coefficients between all methods

| Variables | RS | HM | TH | BC | HG |
|---|---|---|---|---|---|
| **RS** | 1 | 0.673 | 0.285 | 0.678 | 0.677 |
| **HM** | 0.673 | 1 | 0.842 | 0.999 | 0.999 |
| **TH** | 0.285 | 0.842 | 1 | 0.843 | 0.844 |
| **BC** | 0.678 | 0.999 | 0.843 | 1 | 1.000 |
| **HG** | 0.677 | 0.999 | 0.844 | 1.000 | 1 |

**Table 4.7** Spring PET Correlation coefficients between all methods

| Variables | RS | HM | TH | BC | HG |
|---|---|---|---|---|---|
| **RS** | 1 | 0.710 | 0.399 | 0.712 | 0.706 |
| **HM** | 0.710 | 1 | 0.748 | 0.999 | 0.993 |
| **TH** | 0.399 | 0.748 | 1 | 0.745 | 0.710 |
| **BC** | 0.712 | 0.999 | 0.745 | 1 | 0.997 |
| **HG** | 0.706 | 0.993 | 0.710 | 0.997 | 1 |

**Table 4.8** Fall PET Correlation coefficients between all methods

| Variables | RS | HM | TH | BC | HG |
|---|---|---|---|---|---|
| **RS** | 1 | 0.805 | 0.400 | 0.806 | 0.803 |
| **HM** | 0.805 | 1 | 0.513 | 0.999 | 0.996 |
| **TH** | 0.400 | 0.513 | 1 | 0.505 | 0.466 |
| **BC** | 0.806 | 0.999 | 0.505 | 1 | 0.998 |
| **HG** | 0.803 | 0.996 | 0.466 | 0.998 | 1 |

Depending on the season, methods display different correlation coefficients. The most interesting result came out from Rs and TH methods. Even though there is another temperature based method among them (HM) only TH represents lowest relation with radiation based method. In addition, weight of radiation factor can be understood from Summer season. In Summer, Rs method gives low coefficients with all other methods.

### 4.4. Mapping of PET by Using GIS

Maps were developed based on stations. During the study, spatial analysis required interpolation between measurement points for a better representation. As it was mentioned before, the important period is the wet season (October to April) when it comes to evapotranspiration estimation in this climatic conditions. Therefore; five maps were developed for the wet season for each method.

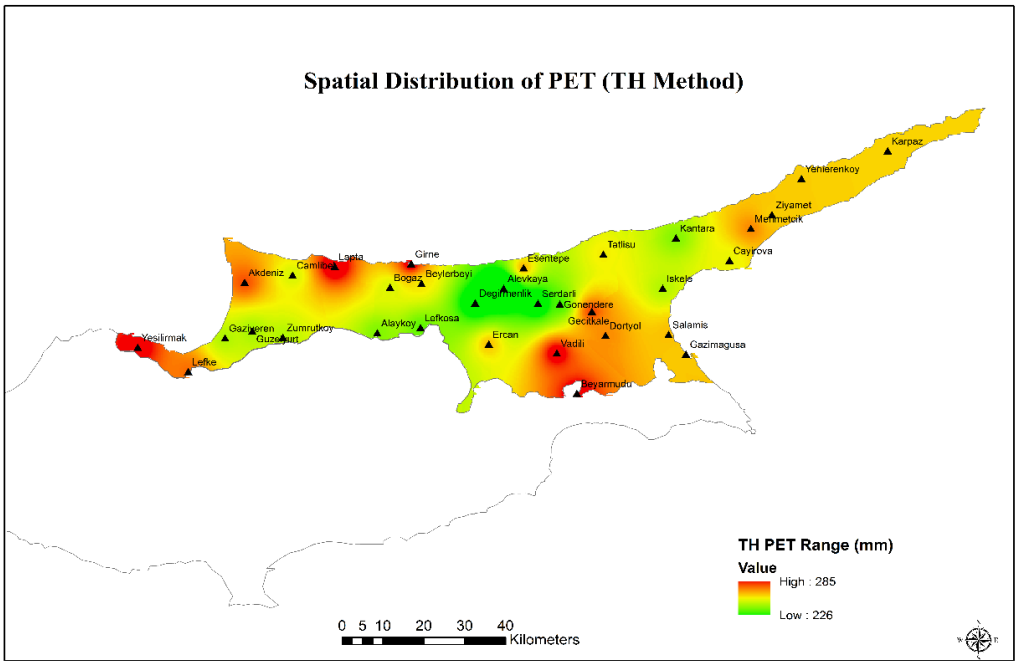



**Figure 4.11** Wet season's spatial distribution for Thornthwaite Method

Since it is a basic method, Thornthwaite's PET estimations are quite reasonable compared to other estimations. Nevertheless, method's limitations (works well in humid climates, and valleys) should not been forgotten when it comes to make a decision for the result.

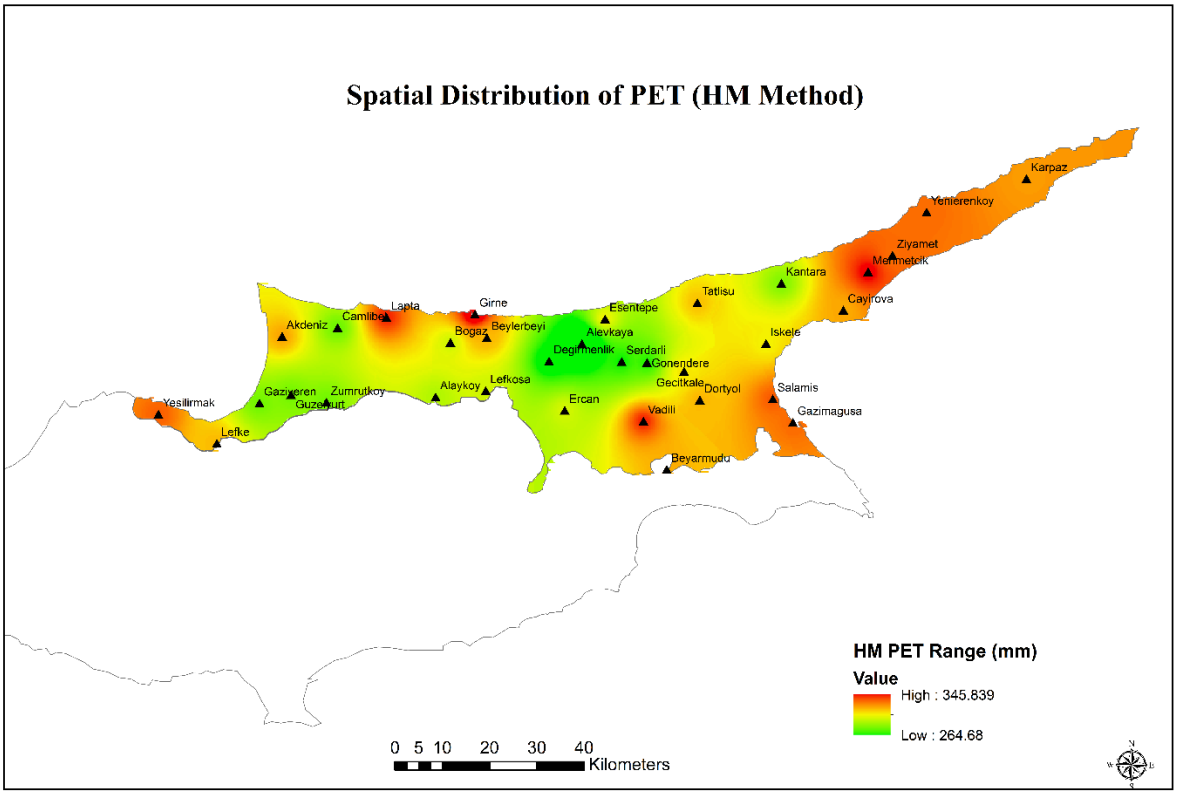



**Figure 4.12** Wet season's spatial distribution for Hamon Method

Thornthwaite (Figure 4.11), and Hamon (Figure 4.12) methods are the most basic ones due to parameter limitations among all implemented methods. As a result of that, their estimations are lower than other methods, nevertheless, they have mostly high correlation with other methods. Furthermore, Hamon equation does not have any climatic limitation and cannot be ignored in this study. Even if Thornthwaite works well in humid climates, its estimations are not very different than Hamon so that, it should be taken into consideration too.

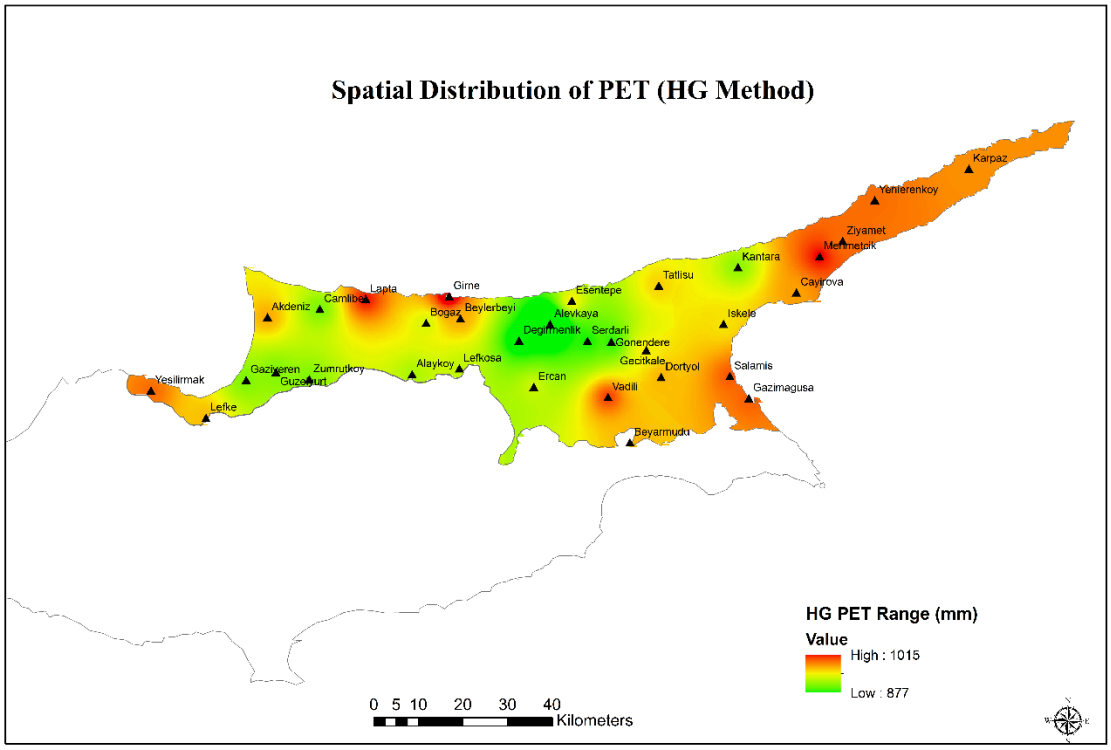



**Figure 4.13** Wet season's spatial distribution for Hargreaves Method

As it was mentioned before, Hargreaves (Figure 4.13) considers solar radiation but without vegetation cover. In this case, it gives quite high estimations, moreover, it even more overestimates PET on the north-east and west of the island which is densely covered by vegetation. With its averagely 950 mm estimated PET, precipitation cannot contribute island's water resources.

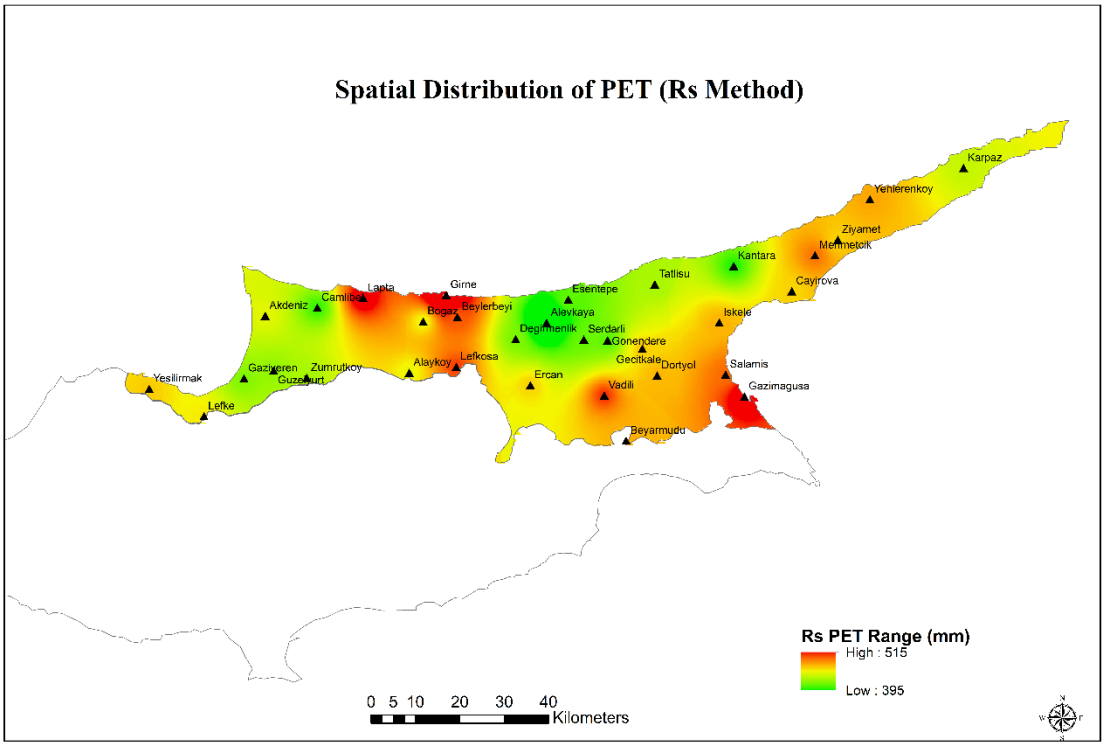



**Figure 4.14** Wet season's spatial distribution for radiation based method

Rs method considers vegetation like BC method; however, BC method's consideration is based on transpiration (Figure 4.15), Rs method's consideration is based on radiation (Figure 4.14). When vegetation is considered from radiation aspect, that can be said that high vegetation cover will prevent high evapotranspiration. In other words, evapotranspiration is less with vegetation cover compared to bare soil or asphalt due to coolant effect. In BC method, vegetation's absorption is considered and that cause more water loss.

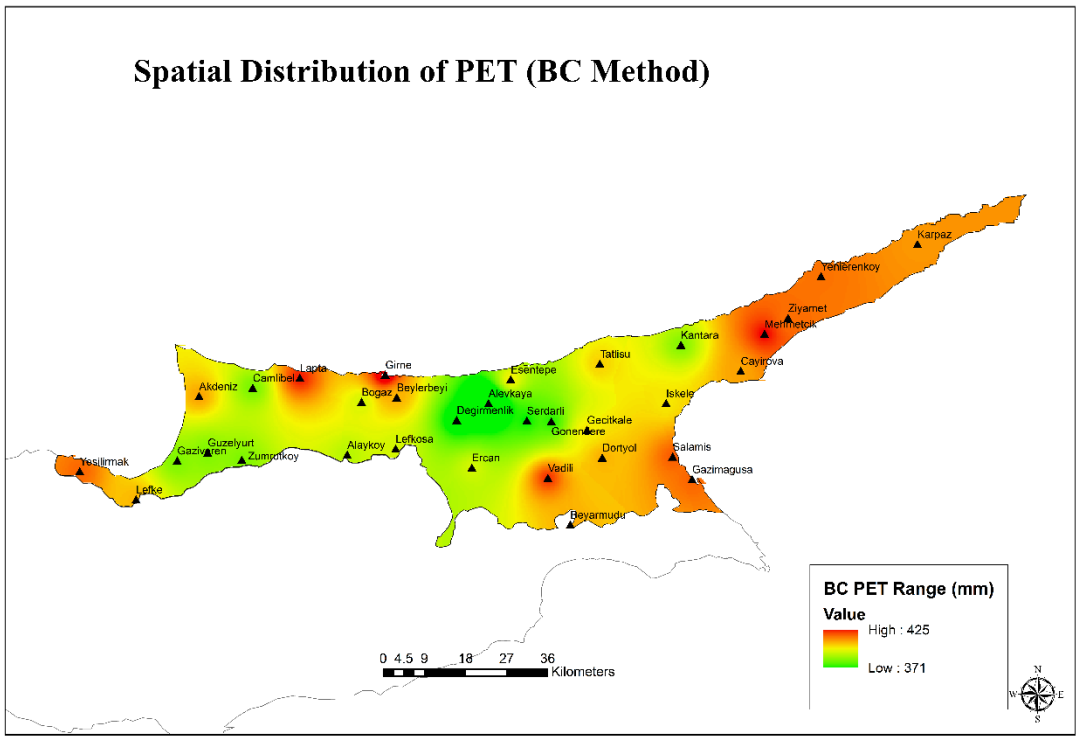



**Figure 4.15** Wet season's spatial distribution for Blaney-Criddle Method

BC is the other method which considers vegetation cover. Despite that, it estimates quite high in vegetative regions (around Karpaz and Yesilirmak stations). The reason of it is the climatic factor and the weight of air temperature in the equation. In the Appendix B, annual PET maps can also be found from all five methods.

### 4.5. Trend Analysis

Significant change specification in a data set is the first step while doing a water balance calculations and scenarios for a region. Firstly, it should be understood that whether there is a considerable increase or decrease in the time-series. Mann-Kendall trend test is commonly used for climatic data sets in the literature; therefore, rainy period is taken into consideration in this thesis. The reason behind this logic is that even if there is an

incremental trend in a dry season, it will only effect reservoirs but not storm events. Consequently, rainy period matters while comparing precipitation and PET relation.

Based on five implemented methods, wet season (October to April) is taken into consideration, and trends were revealed by using Mann-Kendall trend test. Table 4.8 includes all the results station by station. Plus (+) sign means there is an incremental trend, and minus (-) sign means there is no trend.

**Table 4.9** Mann-Kendall trend test results

| | HM | TH | BC | HG | Rs |
|---|---|---|---|---|---|
| Lapta | + | + | + | + | + |
| Girne | + | + | + | + | + |
| Beylerbeyi | + | - | + | + | + |
| Bogaz | - | - | - | - | - |
| Esentepe | - | - | - | - | - |
| Gecitkale | - | + | - | - | - |
| Vadili | - | - | - | - | - |
| Beyarmudu | - | - | - | - | - |
| Gazimagusa | + | - | + | + | + |
| Salamis | - | + | - | - | - |
| Dortyol | + | - | + | + | + |
| Iskele | - | + | - | - | - |
| Cayirova | + | + | + | + | + |
| Mehmetcik | + | - | + | + | + |
| Ziyamet | + | - | + | + | + |
| Dipkarpaz | + | - | + | + | + |
| Yeni Erenkoy | + | - | + | + | + |
| Kantara | - | - | - | - | - |
| Akdeniz | - | - | - | - | - |
| Camlibel | - | - | - | - | - |
| Guzelyurt | - | + | - | - | - |
| Gaziveren | - | - | - | - | - |
| Lefke | - | - | - | - | - |
| Zumrutkoy | - | - | - | - | - |
| Ercan | - | - | - | - | - |
| Serdarli | + | - | + | + | + |

| | | | | | |
|---|---|---|---|---|---|
| Degirmenlik | - | - | - | - | - |
| Alevkayasi | - | - | + | + | + |
| Alaykoy | - | - | - | - | - |
| Lefkosa | - | - | - | - | - |
| Tatlisu | - | - | + | + | + |
| Yesilirmak | - | - | - | - | - |
| Gonendere | - | - | - | - | - |

The decision on station trends whether they have a trend was completed based on the majority. If a station has significant change from at least three PET estimation methods, then this station follows an increasing trend. Spatial representation of the trend analysis results can be found in Figure 4.11 in order to understand regionalism.

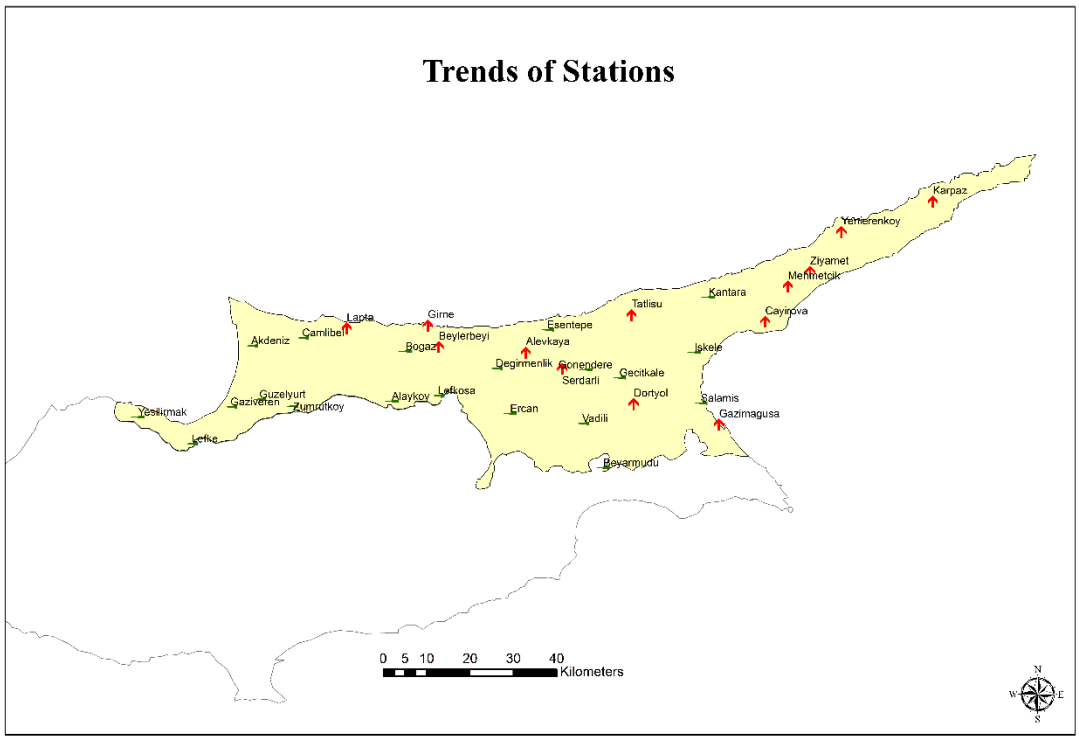



**Figure 4.16** Stations with positive trends on the North Cyprus map

Generally, it can be said that there is an increasing trend in PET estimations, especially in the north-east region of the island. Except these 13 stations with incremental trend, rest of the stations did not display any change in their time-series.

The Table 5.1 provides a chance to see differences of the situation in wet season. Precipitation row is given as range based on precipitation data which is provided by Meteorological Office of North Cyprus. Depending on year, precipitation can contribute to the water resources of Guzelyurt and North Cyprus. PET estimations are given as averages of all stations in Table 5.1 and 5.2. Except overestimation of Hargreaves, other methods display that precipitation is willing to recover Guzelyurt Aquifer in long term.

**Table 4.10** Guzelyurt station precipitation-PET comparison

| **Guzelyurt** | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
|---|---|---|---|---|---|---|---|
| Precipitation (mm) | 0-61 | 1-130 | 4-128 | 8-155 | 10-159 | 0-90 | 0-51 |
| TH PET (mm) | 73.5 | 38.3 | 22.1 | 16.5 | 19.6 | 30.1 | 56.4 |
| HM PET (mm) | 65.6 | 37.6 | 27.5 | 25.9 | 29.3 | 46.1 | 68.9 |
| Rs PET (mm) | 85.4 | 55.5 | 40 | 39.3 | 44.8 | 76 | 97.5 |
| BC PET (mm) | 61.5 | 47.4 | 41.6 | 40.2 | 39.8 | 51.6 | 115.8 |
| HG PET (mm) | 166.2 | 140.5 | 129.8 | 121.8 | 111 | 131.1 | 142.2 |

**Table 4.11** North Cyprus precipitation-PET comparison

| **North Cyprus** | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
|---|---|---|---|---|---|---|---|
| Precipitation (mm) | 0-95 | 1-159 | 5-238 | 9-225 | 7-166 | 1-115 | 0-70 |
| TH PET (mm) | 76.6 | 40.3 | 22 | 16.8 | 19.5 | 30.7 | 58.1 |
| HM PET (mm) | 70.1 | 39.5 | 28.6 | 27.1 | 30.5 | 48.5 | 71.8 |
| Rs PET (mm) | 91.1 | 54.4 | 41.5 | 41.2 | 46.4 | 78.1 | 99.3 |
| BC PET (mm) | 63.2 | 48.5 | 42.4 | 41.2 | 40.6 | 53 | 118.2 |
| HG PET (mm) | 171 | 144 | 132.5 | 125.2 | 113.6 | 134.7 | 145.2 |

It can be seen that from Table 5.1 and 5.2, most efficient months for this island are November, December, January, February, and March. October and April is also willing to contribute to the water balance of the island; however, their contribution is not consistent.

In order to have a better result, comparison between precipitation averages and PET averages is calculated. In this case, Hargreaves method is precluded due to manipulation of overestimated values. Table 5.3 displays the wet months and average values. Based on this case, it can be said that, precipitations in November to February definitely contributes the water balance of North Cyprus. Even though the "Average" row shows the negative balance, PET should be considered month by month. For the "Balance" column, negative values were not written. The logic behind this is that the balance in this study is created between precipitation and PET; therefore, the budget cannot lose more water than it precipitates.

**Table 4.12** Comparison between average precipitation and average PET in wet months

| Month | Average PET (mm/month) | Average P (mm/month) | Balance (mm/month) |
|---|---|---|---|
| October | 75.25 | 24.29 | 0 |
| November | 45.67 | 49.63 | 3.96 |
| December | 33.62 | 78.65 | 45.03 |
| January | 31.57 | 70.17 | 38.6 |
| February | 34.25 | 63.44 | 29.19 |
| March | 52.57 | 39.38 | 0 |
| April | 86.85 | 20.58 | 0 |
| Average | 51.4 | 49.44 | 0 |

Based on this situation, December, January, and February months are the most contributed periods for the islands water-budget.

# CHAPTER 5

# CONCLUSION AND FUTURE WORK

## 5.1. PET Conclusion

Among all the PET methods, Hargreaves is the most disadvantageous one due to its over estimation for winter and fall seasons. The reason behind this over estimation is the solar radiation parameter. In North Cyprus, solar radiation is a quite important factor, and should be considered; however, elevation of the station is also important at this stage, moreover, solar radiation parameter works well when vegetation type is also considered. With elevation and vegetation consideration, this over estimation will change. Because of the same reason, they have derived this method, and added daily temperature difference into the formulation.

Trend analysis stage revealed that almost all seasons display an incremental trend. However, summer and spring seasons are mostly quite dry and without precipitation. Accordingly, Fall and Winter seasons' trends (wet season trends) become more critical. It has shown that, North Cyprus is willing to lose more and more water every year due to incremental PET. Since precipitation does not have any trend, negative balance will increase, furthermore, recovery of local water resources will be impossible in this case.

## 5.2. Precipitation-PET Relation

In order to provide a tool for future studies, the water balance of the North Cyprus should be revealed, moreover, Guzelyurt station must be examine distinctively due to the aquifer lying under it. For this balance, PET loss must be converted into a national level. In order words, the amount of water contribution from precipitation must be obtained, moreover, only positive balance situations must be taken into consideration (November, December, January, and February). In total, annual precipitations contributes 116.78 mm/year (0.11678 m/year) amount of water into the general water-budget of the island. If we

consider the land area of North Cyprus (3,354 $km^2$), then 391 million $m^3$ water amount contributes the hydrologic cycle of the country.

### 5.3. Future Work Suggestions

Despite the total evapotranspiration and precipitation comparison is given in this thesis, this analysis is completed with monthly estimations. Therefore, some critical factors are excluded such as initial saturation and storm duration. For a better analysis, precipitation-PET relation should be revealed in smaller time intervals (daily or even hourly). Other suggestion can be the computer models such as MODIS for PET estimation. MODIS is a spatial analysis tool, and works by using satellite data to calculate PET and ET. The most significant advantage of this model is that it can estimate PET and ET with very small time intervals; therefore, it is able to consider initial saturation and other time related factors.

In order to improve PET analysis, methods with different parameters can be used and compared with the method results which were computed in this thesis. The most and commonly used method is the Penman-Monteith should be definitely used for more reliable results. At this point, data collection has a critical role. Meteorological Office of Northern Cyprus have better to collect wind speed at 2m height, net radiation, and surface temperature.

The very next step after PET stage must be the analysis of another hydrologic cycle parameter. Infiltration estimation is the key for such semi-arid climates in order to sustain local water resources. As it was mentioned in the Introduction Chapter, groundwater resources have critical significance while providing potable water; therefore, infiltration and recharge stages must be known for more reliable water management scenarios.

As an extra suggestion, forecasting on PET will be very helpful in order to exact calculation of recovery time of Guzelyurt Aquifer and other groundwater resources in the island. Since the precipitation is known, it can be compared with PET, and water balance can be calculated for next couple of decades.

## REFERENCES


Akan, A. O., Houghtalen R. J., (2003). Urban Hydrology, Hydraulics, and Stormwater Quality: Engineering Applications and Computer Modeling. Hoboken, NJ: John Wiley & Sons. Inc.

Al-Azawi, S., (1985). Experimental evaluation of infiltration models. *Journal of Hydrology (New Zeland)*, 24(2): 77-88.

Assoulin, S., (2012). Infiltration into soils: Conceptual approaches and solutions. *Water Resources Research*, 49: 1755-1772.

Bakundukize, C., Camp, M. F. V., & Walraevens, K. (2011). Estimation of groundwater recharge in Bugesera region (Burundi) using moisture budget approach. *Geologica Belgica*, 14(1-2): 85-102.

Cakal, S. (2016). Palmer Drought Analysis of North Cyprus. Master of Science Thesis, METU NCC.

Cech, V. T. (2010). Principles of Water Resources (3rd ed.). New Jersey: John Wiley & Sons, Inc.

Czyzyk, F., Swierkot, Z. (2017). Recharging Infiltration of Precipitation Water Through the Light Soil in the Absence of Surface Runoff. *Journal of Water and Land Development*. No. 32 p. 25-30. DOI: 10.1515/jwld-2017-0003.

Devlet Su İşleri, Official Web Page. Available in -> http://www.dsi.gov.tr/haberler/2015/10/20/asrinprojesidenizgecisikktc. Last Access: 04.08.2019.

Fanta, D. B., (2015). Conceptual Model for Güzelyurt Aquifer, North Cyprus. M.Sc Thesis, Environmental Engineering, Middle East Technical University.

Farvolden, R. N., (1960). *Methods of Study of the Ground-water Budget in North America*, U.S. Department of Interior, Office of Water Resources Research.

Gleick, P. H., (1993). Water in Crisis: A Guide to the World's Fresh Water Resources. New York: Oxford University Press.

Gokturk, O. M., Bozkurt, D., Sen O.L., Karaca, M., (2007). Quality Control and Homogeneity of Turkish Precipitation Data. *Hydrological Processes*, 22: 3120-3218.

Goyal, R. K., (2004). Sensitivity of Evapotranspiration to Global Warming: A Case Study of Arid Zone of Rajasthan (India). *Agricultural Water Management*, 69: 1-11.

Gunyakti, A., Akintug, B. (1999). K.K.T.C. Su Sorunları ve Şehir Şebekelerindeki Su Kaçakları, II. Kentsel Altyapı Sempozyumu, Adana, Turkey.

Hamon, W. R., (1960). Estimating Potential Evapotranspiration. *Massachusetts Institue of Technology*, Bachelor's Thesis.

Hargreaves, G. H., (1975). Moisture availability and crop production. *American Society of Agricultural and Biological Engineers.*

Hargreaves, G. H., and Samani Z. A., (1985). Reference Crop Evapotranspiration from Temperature. *Applied Engineering in Agriculture*, 1(2): 96-99.

Harrison, L. P., (1963). Fundamentals concepts and definitions relating to humidity. *Humidity and Moisture* (3), N.Y.: Reinhold Publishing Co.

Hayek, M. (2016). Analytical solution to transient Richards' equation with realistic water profiles for vertical infiltration and parameter estimation. *Water Resources Research*, 52: 4438-4457.

Healy, R. W., (2010). Estimating Groundwater Recharge. New York, NY: Cambridge University Press. Pg: 6-7

Irmak, S., Irmak, A., Allen, R.G., and Jones, J.W. (2003). Solar and Net Radiation-Based Equations to Estimate Reference Evapotranspiration in Humid Climates. *Journal of Irrigation and Drainage Engineering*, 129(5): 336-347.

Karamouz, M., Ahmadi, A., Akhbari, M., (2011). Groundwater Hydrology: Engineering, Planning, and Management. FL: CRC Press, FL, Pg: 33-35.

Kashyap, P. S., Panda, R. K., (2001). Evaluation of evapotranspiration estimation methods and development of crop-coefficients for potato crop in a sub-humid region. *Agricultural Water Management,* 50: 9-25.

Khaliq, M. N., Ouarda, T. B. M. J., (2007). Short Communication On the critical values of the standard normal homogeneity test (SNHT). *International Journal of Climatology*, 27: 681-687.

Kite, G., Droogers, P., (2000). Comparing Estimates of Actual Evapotranspiration from Satellites, Hydrologic Model, and Field Data: A Case Study from Western Turkey. International Water Management Institute.

Konikow, L. F., Kendy, E., (2005). Groundwater Depletion: A Global Problem. *Hydrogeology* 13:317-320.

Kresic, N. (2009). Groundwater Resources: Sustainability, Management, and Restoration. McGraw-Hill.

Lanzante, J. R., Klein, S. A., (2002). Temporal homogenization of monthly radiosonde temperature data. *Journal of Climate*, 16: 224-240.

Lu J., Sun, G., McNulty S. G., & Amatya, D. M. (2005). A Comparison of six potential evapotranspiration methods for regional use in the southeastern united states. *Journal of American Water Resources Association,* 41(3): 621-633.

Manning J. C. (1997). Applied Principles of Hydrology (3rd ed.) New Jersey: Prentice Hall.

Mao, L., Yuzhong, L., Hao, W., Zhou, X., Xu, C., & Lei, T. (2016). A New Method to Estimate Soil Water Infiltration Based on a Modified Green-Ampt Model. *Soil & Tillage Research,* 161(2016) 31-37.

Meteorology Department of Northern Cyprus, Official Web Page, Available in -> http://kktcmeteor.org/meteorolojikbilgi/kibris-iklimi. Last access: 04.08.2019.

Mishra S. K., Singh, V. P., (2002). Mathematical Models of Small Watershed Hydrology and Applications. Highlands Ranch, Colorado: water Resources Publications, LLC. (391-396)

Mishra, S. K., Singh, V. P., (2004). Validity and extension of the SCS-CN method for computing infiltration and rainfall-excess rates. *Hydrological Processes,* 18: 3323-3345.

Monteith, J. L., (1981). Evaporation and Surface Temperature. *Quarterly Journal of the Royal Meteorological Society,* 107:1-27.

Mu, Q., Zhao, M., Running, S. W., (2013). MODIS Global Terrestrial Evapotranspiration (ET) Product (NASA MOD16 A2/A3) Algorithm Theoretical Basis Document, Collection 5. The University of Montana.

Mutiga, J. K., Su, Z., Woldai, T., (2010). Using Satellite Remote Sensing to Assess Evapotranspiration: Case Study of the Upper Ewaso Ng'iro North Basin, Kenya. *International Journal of Applied Earth Observation and Geoinformatics,* 12S: S100-S108.

Pachepsky, Y., Timlin, D., Rawls, W. (2003). Generalized Richards' equation to simulate water transport in unsaturated soils. *Journal of Hydrology,* 272: 3-13.

Patra, K. C. (2008). Hydrology and Water Resources Engineering (2nd ed.). Oxford, UK: Alpha Science.

Payab, H. A., Türker, U., (2018) Analyzing Temporal-Spatial Characteristics of Drought Events in the Northern Part of Cyprus. *Development, and Sustainability*, 20(4): 1553-1574.

Peterson, T. C., Vose, R., Schmoyer, R., and Razuaev V., 1998. Global historical climatology network (GHCN) quality control of monthly temperature data. *International Journal of Climatology,* 18: 1169-1179.

Rawls, W. J., Brakensiek, D. L., Miller, N., (1983). Green-Ampt Infiltration Parameters from Soil Data. *Journal of Hydraulic Engineering,* 109(1): 62-70.

Rawls, W. J., David, G., Mullen, J., & Ward, T. (1996). Hydrology Handbook (2nd ed.). New York, NY: ASCE.

Schwartz, F. W., Zhang, H. (2003). Fundamentals of Groundwater. New York, NY: John Wiley & Sons, Inc.

Vicente-Serrano, S. M., Lanjeri, S., Lopez-Moreno, J. I. (2007). Comparison of different procedures to map reference evapotranspiration using geographical information systems and regression-based techniques. *International Journal of Climatology,* 27: 1103-1118.

Xu, C. Y., Singth, V. P., (2002). Cross comparison of empirical equations for calculating potential evapotranspiration with data from Switzerland. *Water Resources Management,* 16: 197-219.

Zaifoglu, H., Akıntuğ, B., Yanmaz, A. M., (2017). Quality Control, Homogeneity Analysis, and Trends of Extreme Precipitation Indices in Northern Cyprus. *Journal of Hydrologic Engineering,* 22(12): 05017024.

Zhao, L., Xia, J., Xu, C., Wang, Z., Sobkowiak, L., & Long, C. (2013). Evapotranspiration estimation methods in hydrological models. *Journal of Geographical Sciences,* 23(2): 359-369.

# APPENDIX A

## NUMERICAL RESULTS OF PET METHODS

In this appendix, results of PET methods are shared for all stations method by method. Monthly averages and annual total evapotranspiration amounts can be found starting from 1978-1979 water year till 2014-2015. Tables listed station by station alphabetically. All the tables have codes to understand which method is used. HM is giving Hamon results, TH gives Thornthwaite results, Rs is for radiation based method's results, BC is Blaney-Criddle, T means Turc, and H means Hargreaves.

**Table A.1** Akdeniz station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 102.4 | 73.7 | 39.2 | 31.8 | 29.9 | 35.7 | 52.5 | 75.8 | 112.2 | 168.6 | 188.9 | 157.7 | 1068.5 |
| 1979-1980 | 115.3 | 75.8 | 46.0 | 28.4 | 25.4 | 30.0 | 46.0 | 68.4 | 111.5 | 163.3 | 188.0 | 175.2 | 1073.5 |
| 1980-1981 | 106.2 | 74.0 | 43.6 | 30.2 | 27.2 | 30.6 | 52.3 | 74.3 | 101.8 | 168.6 | 192.1 | 168.6 | 1069.6 |
| 1981-1982 | 107.0 | 79.2 | 37.3 | 32.1 | 29.1 | 28.1 | 44.7 | 75.2 | 113.9 | 155.8 | 179.1 | 168.4 | 1049.9 |
| 1982-1983 | 118.5 | 75.9 | 36.9 | 27.8 | 24.1 | 28.1 | 45.7 | 72.0 | 119.4 | 149.8 | 186.0 | 160.8 | 1045.0 |
| 1983-1984 | 107.8 | 77.2 | 49.5 | 33.9 | 29.7 | 33.6 | 49.6 | 69.4 | 118.5 | 152.2 | 178.0 | 158.2 | 1057.7 |
| 1984-1985 | 106.8 | 71.1 | 37.6 | 26.4 | 28.8 | 27.4 | 47.4 | 74.1 | 128.8 | 162.8 | 200.2 | 178.3 | 1089.9 |
| 1985-1986 | 117.6 | 66.5 | 44.5 | 29.7 | 28.4 | 34.9 | 53.2 | 87.5 | 112.5 | 165.5 | 188.3 | 167.4 | 1096.0 |
| 1986-1987 | 123.1 | 71.7 | 35.7 | 28.2 | 29.6 | 34.5 | 41.5 | 69.4 | 110.0 | 162.9 | 203.4 | 175.5 | 1085.4 |
| 1987-1988 | 120.8 | 68.4 | 39.1 | 28.6 | 27.7 | 31.0 | 47.0 | 76.4 | 127.1 | 170.9 | 222.1 | 178.8 | 1137.9 |
| 1988-1989 | 122.6 | 70.7 | 35.0 | 27.9 | 23.1 | 29.0 | 50.6 | 88.3 | 127.5 | 155.4 | 200.6 | 169.9 | 1100.5 |
| 1989-1990 | 110.5 | 64.7 | 41.3 | 29.3 | 24.4 | 30.0 | 49.3 | 74.2 | 113.6 | 156.0 | 188.3 | 166.3 | 1048.0 |
| 1990-1991 | 107.8 | 72.9 | 42.9 | 29.8 | 26.6 | 30.0 | 52.4 | 76.0 | 107.1 | 157.3 | 176.1 | 159.9 | 1038.9 |
| 1991-1992 | 107.9 | 73.3 | 39.9 | 25.4 | 24.3 | 24.6 | 42.6 | 67.8 | 108.3 | 149.1 | 175.8 | 175.0 | 1014.0 |
| 1992-1993 | 104.3 | 71.4 | 39.7 | 23.3 | 25.5 | 28.1 | 45.5 | 68.7 | 101.8 | 162.8 | 185.0 | 157.1 | 1013.1 |
| 1993-1994 | 96.1 | 79.2 | 36.9 | 29.8 | 30.1 | 31.6 | 47.9 | 79.9 | 120.0 | 157.3 | 185.4 | 173.8 | 1068.2 |
| 1994-1995 | 120.6 | 78.3 | 37.5 | 26.1 | 28.2 | 31.9 | 50.8 | 70.5 | 116.6 | 177.0 | 196.8 | 170.4 | 1104.6 |
| 1995-1996 | 111.2 | 68.0 | 33.5 | 26.7 | 25.4 | 32.3 | 47.6 | 68.0 | 131.0 | 172.1 | 198.0 | 150.7 | 1064.6 |
| 1996-1997 | 111.0 | 64.9 | 42.5 | 31.2 | 29.0 | 28.9 | 45.1 | 65.9 | 122.3 | 170.0 | 208.6 | 159.8 | 1079.1 |
| 1997-1998 | 106.5 | 69.3 | 41.0 | 29.4 | 26.9 | 31.1 | 45.9 | 80.1 | 114.3 | 159.7 | 215.7 | 199.0 | 1118.9 |
| 1998-1999 | 120.2 | 80.6 | 46.7 | 31.5 | 29.5 | 32.7 | 50.8 | 76.1 | 134.8 | 182.0 | 208.5 | 180.1 | 1173.4 |
| 1999-2000 | 116.7 | 76.7 | 41.1 | 32.3 | 22.7 | 28.3 | 46.2 | 75.8 | 117.1 | 179.5 | 217.3 | 173.8 | 1127.6 |
| 2000-2001 | 115.4 | 68.8 | 41.4 | 28.6 | 28.6 | 31.9 | 58.5 | 78.3 | 126.0 | 163.9 | 197.0 | 175.2 | 1113.8 |
| 2001-2002 | 113.2 | 71.9 | 38.9 | 28.3 | 24.3 | 33.7 | 53.1 | 70.8 | 112.4 | 163.9 | 201.7 | 167.3 | 1079.6 |
| 2002-2003 | 107.1 | 73.0 | 43.6 | 26.4 | 30.1 | 28.4 | 43.7 | 71.9 | 140.7 | 177.4 | 216.0 | 189.5 | 1147.8 |
| 2003-2004 | 114.7 | 77.3 | 42.0 | 29.6 | 26.6 | 31.3 | 52.5 | 74.7 | 115.1 | 166.8 | 203.5 | 168.5 | 1102.5 |
| 2004-2005 | 114.0 | 80.3 | 40.9 | 27.4 | 28.6 | 29.6 | 51.9 | 78.5 | 120.8 | 161.8 | 200.9 | 174.8 | 1109.4 |
| 2005-2006 | 118.0 | 68.0 | 37.6 | 30.3 | 26.6 | 31.4 | 50.3 | 79.6 | 122.6 | 168.5 | 202.5 | 182.5 | 1117.8 |
| 2006-2007 | 126.0 | 76.0 | 38.3 | 27.4 | 22.3 | 26.8 | 40.6 | 55.3 | 102.9 | 135.7 | 159.1 | 142.1 | 952.6 |
| 2007-2008 | 89.5 | 63.3 | 35.3 | 24.0 | 25.7 | 29.0 | 59.2 | 77.9 | 110.9 | 158.1 | 187.4 | 166.9 | 1027.2 |
| 2008-2009 | 109.2 | 69.0 | 45.3 | 30.8 | 30.0 | 33.2 | 49.9 | 74.4 | 111.1 | 163.1 | 187.8 | 163.4 | 1067.2 |
| 2009-2010 | 105.5 | 77.2 | 41.0 | 31.3 | 28.8 | 33.0 | 54.4 | 77.4 | 115.9 | 150.1 | 173.3 | 176.8 | 1064.6 |
| 2010-2011 | 115.6 | 73.8 | 47.1 | 34.4 | 29.5 | 33.1 | 50.4 | 72.1 | 108.5 | 152.1 | 182.4 | 162.7 | 1061.7 |
| 2011-2012 | 112.8 | 67.7 | 35.7 | 29.2 | 27.5 | 29.6 | 47.0 | 73.7 | 110.4 | 156.8 | 196.4 | 171.0 | 1057.7 |
| 2012-2013 | 109.8 | 73.7 | 43.8 | 31.1 | 28.9 | 34.9 | 52.7 | 77.7 | 125.7 | 153.1 | 179.4 | 164.5 | 1075.4 |
| 2013-2014 | 108.1 | 65.5 | 45.2 | 27.4 | 31.7 | 34.9 | 54.9 | 77.0 | 111.1 | 151.8 | 174.7 | 164.4 | 1046.7 |
| 2014-2015 | 110.1 | 70.2 | 40.4 | 33.2 | 28.2 | 32.0 | 52.7 | 69.5 | 113.8 | 140.6 | 175.1 | 167.4 | 1033.2 |
| AVERAGE | 111.6 | 72.4 | 40.6 | 29.2 | 27.4 | 31.0 | 49.4 | 74.1 | 116.7 | 161.2 | 192.4 | 169.2 | |

**Table A.2** Akdeniz station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 118.0 | 83.1 | 38.0 | 26.8 | 20.5 | 28.0 | 35.2 | 62.4 | 93.0 | 180.5 | 190.2 | 154.6 | 1030.2 |
| 1979-1980 | 144.0 | 89.9 | 54.0 | 20.8 | 13.0 | 17.5 | 25.8 | 51.8 | 95.2 | 178.8 | 195.6 | 181.0 | 1067.3 |
| 1980-1981 | 127.3 | 85.7 | 48.3 | 24.2 | 16.0 | 18.4 | 35.7 | 61.5 | 80.5 | 185.0 | 199.0 | 171.5 | 1053.0 |
| 1981-1982 | 134.6 | 99.3 | 36.5 | 29.3 | 20.2 | 14.4 | 24.5 | 65.9 | 102.1 | 173.3 | 190.5 | 178.6 | 1069.1 |
| 1982-1983 | 162.5 | 97.8 | 37.2 | 21.3 | 11.7 | 15.1 | 27.5 | 63.2 | 115.8 | 172.4 | 210.0 | 177.3 | 1111.8 |
| 1983-1984 | 124.8 | 88.0 | 58.7 | 30.7 | 19.8 | 23.4 | 29.9 | 50.8 | 100.1 | 153.6 | 173.7 | 152.8 | 1006.2 |
| 1984-1985 | 130.5 | 81.8 | 36.1 | 17.0 | 19.2 | 12.8 | 28.2 | 62.1 | 120.6 | 179.1 | 212.6 | 185.7 | 1085.7 |
| 1985-1986 | 135.3 | 66.8 | 46.6 | 21.5 | 16.8 | 25.0 | 34.3 | 78.1 | 88.6 | 166.4 | 179.6 | 157.7 | 1016.7 |
| 1986-1987 | 156.4 | 82.1 | 31.7 | 20.3 | 20.5 | 26.4 | 18.8 | 53.4 | 92.9 | 177.7 | 214.7 | 180.8 | 1075.7 |
| 1987-1988 | 139.7 | 69.8 | 35.6 | 19.3 | 15.7 | 17.7 | 25.0 | 60.0 | 107.4 | 173.2 | 217.7 | 169.7 | 1050.9 |
| 1988-1989 | 153.2 | 79.0 | 29.7 | 19.4 | 9.0 | 15.3 | 32.5 | 85.3 | 115.9 | 163.4 | 207.8 | 171.5 | 1082.0 |
| 1989-1990 | 144.9 | 74.0 | 46.6 | 24.1 | 12.0 | 18.6 | 33.0 | 66.1 | 104.5 | 178.9 | 208.9 | 180.9 | 1092.5 |
| 1990-1991 | 136.9 | 88.0 | 49.3 | 24.5 | 15.7 | 18.2 | 37.6 | 67.9 | 92.5 | 176.9 | 187.7 | 168.9 | 1064.2 |
| 1991-1992 | 157.2 | 101.7 | 48.7 | 17.7 | 13.1 | 9.7 | 24.4 | 61.0 | 108.0 | 188.5 | 214.7 | 214.5 | 1159.2 |
| 1992-1993 | 149.3 | 97.2 | 47.9 | 13.2 | 15.5 | 16.5 | 29.6 | 62.4 | 96.5 | 213.0 | 228.0 | 187.9 | 1156.9 |
| 1993-1994 | 110.6 | 95.5 | 34.2 | 23.5 | 21.4 | 20.4 | 28.6 | 71.6 | 106.8 | 168.7 | 191.3 | 178.4 | 1051.1 |
| 1994-1995 | 145.6 | 90.1 | 33.9 | 15.5 | 17.2 | 20.2 | 31.9 | 52.7 | 97.9 | 190.0 | 197.4 | 167.4 | 1059.7 |
| 1995-1996 | 146.7 | 80.9 | 29.0 | 18.5 | 13.8 | 23.6 | 30.2 | 54.8 | 131.4 | 206.0 | 223.0 | 161.1 | 1119.0 |
| 1996-1997 | 137.5 | 70.3 | 46.7 | 26.6 | 19.6 | 15.5 | 24.4 | 47.8 | 111.3 | 190.2 | 223.1 | 163.2 | 1076.0 |
| 1997-1998 | 121.8 | 73.7 | 40.7 | 21.5 | 14.7 | 18.4 | 24.2 | 68.2 | 93.8 | 163.2 | 217.6 | 197.2 | 1054.8 |
| 1998-1999 | 122.0 | 79.4 | 44.7 | 21.9 | 16.5 | 18.2 | 26.9 | 52.0 | 103.2 | 165.0 | 178.0 | 151.2 | 979.0 |
| 1999-2000 | 136.2 | 85.2 | 40.4 | 26.8 | 8.0 | 13.2 | 24.3 | 60.1 | 96.2 | 188.8 | 216.5 | 167.4 | 1063.1 |
| 2000-2001 | 130.8 | 70.0 | 40.0 | 19.3 | 17.1 | 19.2 | 42.1 | 62.6 | 105.2 | 162.6 | 188.1 | 164.9 | 1021.9 |
| 2001-2002 | 140.1 | 82.6 | 38.4 | 20.6 | 11.1 | 24.9 | 37.2 | 55.9 | 96.4 | 179.4 | 212.8 | 171.1 | 1070.4 |
| 2002-2003 | 117.6 | 76.8 | 44.2 | 15.3 | 19.5 | 13.0 | 20.1 | 52.0 | 123.5 | 180.4 | 208.8 | 179.4 | 1050.6 |
| 2003-2004 | 133.6 | 86.6 | 42.4 | 21.7 | 14.1 | 18.5 | 33.9 | 58.5 | 93.8 | 171.6 | 201.3 | 162.0 | 1038.0 |
| 2004-2005 | 131.3 | 90.9 | 39.7 | 17.4 | 17.3 | 15.5 | 32.7 | 64.1 | 100.5 | 163.0 | 196.4 | 167.6 | 1036.3 |
| 2005-2006 | 138.3 | 70.4 | 33.3 | 23.0 | 14.1 | 18.7 | 30.5 | 66.4 | 103.7 | 173.7 | 199.6 | 177.1 | 1048.8 |
| 2006-2007 | 217.6 | 120.9 | 50.1 | 25.0 | 10.6 | 15.8 | 23.5 | 40.5 | 111.0 | 184.6 | 211.5 | 186.1 | 1197.2 |
| 2007-2008 | 114.9 | 76.9 | 35.5 | 14.2 | 15.5 | 18.0 | 54.8 | 79.3 | 108.6 | 197.8 | 224.5 | 195.9 | 1136.0 |
| 2008-2009 | 129.8 | 75.1 | 50.9 | 24.9 | 20.6 | 23.1 | 31.0 | 60.4 | 91.8 | 173.0 | 189.7 | 162.0 | 1032.3 |
| 2009-2010 | 123.0 | 89.3 | 41.6 | 25.8 | 18.4 | 22.5 | 38.1 | 65.2 | 98.2 | 152.9 | 170.5 | 176.9 | 1022.4 |
| 2010-2011 | 137.5 | 82.2 | 53.7 | 31.6 | 19.5 | 22.4 | 31.2 | 55.3 | 86.6 | 153.5 | 179.5 | 158.2 | 1011.1 |
| 2011-2012 | 148.1 | 79.4 | 33.7 | 23.7 | 17.6 | 17.6 | 28.9 | 64.7 | 99.2 | 179.1 | 218.7 | 185.9 | 1096.7 |
| 2012-2013 | 126.2 | 80.7 | 46.2 | 24.6 | 18.1 | 25.6 | 34.4 | 63.8 | 108.4 | 152.6 | 173.0 | 158.0 | 1011.7 |
| 2013-2014 | 131.3 | 70.7 | 52.0 | 18.7 | 24.5 | 27.3 | 40.2 | 66.6 | 94.2 | 160.4 | 177.7 | 167.4 | 1031.1 |
| 2014-2015 | 140.3 | 82.6 | 43.5 | 31.8 | 18.6 | 22.2 | 37.9 | 55.7 | 102.3 | 149.3 | 185.6 | 177.8 | 1047.4 |
| AVERAGE | 137.7 | 83.6 | 42.2 | 22.2 | 16.4 | 19.2 | 31.1 | 61.3 | 102.1 | 174.8 | 200.4 | 173.2 | |

**Table A.3** Akdeniz station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 178.7 | 174.9 | 144 | 140.5 | 132.7 | 124 | 140.9 | 149.4 | 168.6 | 187.6 | 201.9 | 198.6 | 1941.7 |
| 1979-1980 | 186.9 | 177 | 154.9 | 132.6 | 121.3 | 112.9 | 131.5 | 142.3 | 168.2 | 185.4 | 201.5 | 206.1 | 1920.6 |
| 1980-1981 | 181.2 | 175.2 | 151.2 | 136.9 | 125.9 | 114.2 | 140.6 | 148 | 161.8 | 187.7 | 203 | 203.4 | 1929.1 |
| 1981-1982 | 181.7 | 179.9 | 140.7 | 141.2 | 130.6 | 108.8 | 129.5 | 148.8 | 169.7 | 182.2 | 198.1 | 203.2 | 1914.5 |
| 1982-1983 | 188.7 | 177.1 | 139.8 | 131.1 | 117.5 | 108.7 | 131.1 | 145.8 | 173 | 179.5 | 200.7 | 199.9 | 1892.9 |
| 1983-1984 | 182.2 | 178.1 | 160 | 145.1 | 132.1 | 120.1 | 136.8 | 143.4 | 172.5 | 180.7 | 197.7 | 198.9 | 1947.4 |
| 1984-1985 | 181.6 | 172.5 | 141.2 | 127.4 | 130.1 | 107.2 | 133.7 | 147.8 | 178.3 | 185.3 | 205.9 | 207.3 | 1918.3 |
| 1985-1986 | 188.1 | 167.7 | 152.7 | 135.8 | 128.9 | 122.5 | 141.7 | 159 | 168.9 | 186.4 | 201.7 | 202.8 | 1956.2 |
| 1986-1987 | 191.2 | 173 | 137.7 | 132.1 | 131.8 | 121.7 | 124.3 | 143.3 | 167.3 | 185.3 | 207 | 206.1 | 1920.8 |
| 1987-1988 | 190 | 169.7 | 143.8 | 133 | 127.3 | 115 | 133.1 | 149.9 | 177.4 | 188.6 | 213.2 | 207.4 | 1948.5 |
| 1988-1989 | 191 | 172 | 136.2 | 131.2 | 114.4 | 110.8 | 138.2 | 159.7 | 177.7 | 182.1 | 206.1 | 203.8 | 1923.3 |
| 1989-1990 | 184 | 165.8 | 147.6 | 134.8 | 118.4 | 112.9 | 136.4 | 147.9 | 169.5 | 182.4 | 201.6 | 202.3 | 1903.6 |
| 1990-1991 | 182.2 | 174.2 | 150.2 | 135.9 | 124.4 | 112.9 | 140.7 | 149.5 | 165.3 | 182.9 | 196.9 | 199.6 | 1914.8 |
| 1991-1992 | 182.3 | 174.6 | 145.2 | 124.6 | 117.8 | 100.4 | 126.1 | 141.7 | 166.2 | 179.2 | 196.8 | 205.9 | 1860.9 |
| 1992-1993 | 180 | 172.7 | 144.8 | 118.7 | 121.4 | 108.6 | 130.7 | 142.6 | 161.8 | 185.3 | 200.4 | 198.3 | 1865.2 |
| 1993-1994 | 174.5 | 180 | 139.9 | 135.9 | 133.1 | 116.1 | 134.3 | 152.9 | 173.4 | 182.9 | 200.6 | 205.5 | 1929.3 |
| 1994-1995 | 189.8 | 179.3 | 140.9 | 126.5 | 128.5 | 116.7 | 138.4 | 144.4 | 171.3 | 191 | 204.7 | 204.1 | 1935.7 |
| 1995-1996 | 184.3 | 169.3 | 133.2 | 128.1 | 121.1 | 117.6 | 133.9 | 142 | 179.5 | 189 | 205.2 | 195.4 | 1898.7 |
| 1996-1997 | 184.2 | 166 | 149.5 | 139.1 | 130.5 | 110.5 | 130.1 | 139.8 | 174.7 | 188.2 | 208.8 | 199.5 | 1921.0 |
| 1997-1998 | 181.4 | 170.6 | 147 | 134.9 | 125.1 | 115.2 | 131.3 | 153.1 | 170 | 183.9 | 211.2 | 215 | 1938.9 |
| 1998-1999 | 189.6 | 181.3 | 156 | 139.9 | 131.6 | 118.3 | 138.5 | 149.6 | 181.5 | 192.8 | 208.8 | 208 | 1996.0 |
| 1999-2000 | 187.6 | 177.7 | 147.3 | 141.6 | 113.2 | 109.1 | 131.9 | 149.3 | 171.7 | 191.9 | 211.7 | 205.5 | 1938.4 |
| 2000-2001 | 186.9 | 170.1 | 147.7 | 133.1 | 129.5 | 116.8 | 148.4 | 151.6 | 176.8 | 185.7 | 204.8 | 206.1 | 1957.5 |
| 2001-2002 | 185.5 | 173.2 | 143.4 | 132.3 | 118 | 120.4 | 141.6 | 144.7 | 168.8 | 185.7 | 206.5 | 202.8 | 1922.9 |
| 2002-2003 | 181.8 | 174.3 | 151.3 | 127.5 | 133.1 | 109.3 | 128 | 145.7 | 184.5 | 191.1 | 211.3 | 211.5 | 1949.3 |
| 2003-2004 | 186.5 | 178.3 | 148.7 | 135.4 | 124.4 | 115.5 | 140.8 | 148.4 | 170.4 | 186.9 | 207.1 | 203.3 | 1945.7 |
| 2004-2005 | 186 | 181 | 146.8 | 130 | 129.4 | 112.1 | 139.9 | 151.7 | 173.8 | 184.8 | 206.2 | 205.8 | 1947.6 |
| 2005-2006 | 188.4 | 169.3 | 141.1 | 137 | 124.4 | 115.7 | 137.8 | 152.6 | 174.9 | 187.6 | 206.7 | 208.9 | 1944.5 |
| 2006-2007 | 192.8 | 177.1 | 142.5 | 130 | 112.1 | 105.8 | 122.8 | 127.8 | 162.5 | 172.9 | 189.7 | 191.3 | 1827.3 |
| 2007-2008 | 169.6 | 164.2 | 136.8 | 120.6 | 122 | 110.7 | 149.3 | 151.2 | 167.8 | 183.3 | 201.3 | 202.6 | 1879.4 |
| 2008-2009 | 183.1 | 170.3 | 153.8 | 138.3 | 132.8 | 119.4 | 137.2 | 148.1 | 167.9 | 185.4 | 201.5 | 201.1 | 1938.8 |
| 2009-2010 | 180.7 | 178.2 | 147 | 139.4 | 130 | 118.9 | 143.3 | 150.7 | 170.9 | 179.7 | 195.8 | 206.7 | 1941.4 |
| 2010-2011 | 187 | 175.1 | 156.5 | 146 | 131.7 | 119.1 | 137.9 | 145.9 | 166.3 | 180.6 | 199.4 | 200.8 | 1946.3 |
| 2011-2012 | 185.3 | 169 | 137.7 | 134.5 | 126.7 | 112 | 133 | 147.4 | 167.5 | 182.6 | 204.6 | 204.3 | 1904.6 |
| 2012-2013 | 183.5 | 175 | 151.6 | 138.9 | 130.2 | 122.5 | 141.1 | 151 | 176.7 | 181 | 198.2 | 201.6 | 1951.3 |
| 2013-2014 | 182.4 | 166.7 | 153.7 | 130 | 136.8 | 122.6 | 144 | 150.4 | 167.9 | 180.4 | 196.4 | 201.5 | 1932.8 |
| 2014-2015 | 183.6 | 171.5 | 146.1 | 143.6 | 128.5 | 117 | 141.1 | 143.4 | 169.7 | 175.3 | 196.5 | 202.8 | 1919.1 |
| AVERAGE | 184.4 | 173.6 | 146.2 | 134.2 | 126.1 | 114.7 | 136.2 | 147.6 | 171.2 | 184.4 | 203.0 | 203.5 | |

**Table A.4** Akdeniz station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 137.3 | 64.65 | 48.49 | 44.91 | 43.67 | 44.31 | 55.38 | 121.4 | 147.1 | 169.5 | 179.4 | 166.1 | 1222.2 |
| 1979-1980 | 143.5 | 65.41 | 52.16 | 42.4 | 39.89 | 40.38 | 51.72 | 115.8 | 146.7 | 167.5 | 179 | 172.3 | 1216.8 |
| 1980-1981 | 139.2 | 64.76 | 50.92 | 43.75 | 41.43 | 40.83 | 55.28 | 120.4 | 141.2 | 169.5 | 180.4 | 170 | 1217.6 |
| 1981-1982 | 139.6 | 66.52 | 47.36 | 45.13 | 42.98 | 38.89 | 50.88 | 121 | 148.1 | 164.6 | 176 | 169.9 | 1211.0 |
| 1982-1983 | 145 | 65.42 | 47.07 | 41.91 | 38.64 | 38.87 | 51.53 | 118.6 | 151 | 162.2 | 178.4 | 167.2 | 1205.7 |
| 1983-1984 | 140 | 65.87 | 53.86 | 46.39 | 43.49 | 42.93 | 53.77 | 116.6 | 150.5 | 163.2 | 175.6 | 166.2 | 1218.4 |
| 1984-1985 | 139.5 | 63.73 | 47.53 | 40.73 | 42.8 | 38.33 | 52.55 | 120.2 | 155.6 | 167.4 | 183 | 173.3 | 1224.7 |
| 1985-1986 | 144.6 | 62 | 51.41 | 43.4 | 42.42 | 43.79 | 55.71 | 129.4 | 147.3 | 168.4 | 179.2 | 169.6 | 1237.1 |
| 1986-1987 | 146.9 | 63.94 | 46.32 | 42.21 | 43.38 | 43.52 | 48.84 | 116.6 | 145.9 | 167.4 | 184 | 172.3 | 1221.4 |
| 1987-1988 | 146 | 62.73 | 48.42 | 42.51 | 41.89 | 41.14 | 52.31 | 121.9 | 154.8 | 170.3 | 189.5 | 173.4 | 1244.9 |
| 1988-1989 | 146.7 | 63.57 | 45.87 | 41.95 | 37.65 | 39.61 | 54.33 | 129.9 | 155 | 164.5 | 183.1 | 170.4 | 1232.7 |
| 1989-1990 | 141.3 | 61.29 | 49.68 | 43.11 | 38.96 | 40.36 | 53.61 | 120.3 | 147.9 | 164.7 | 179.2 | 169.2 | 1209.5 |
| 1990-1991 | 140 | 64.37 | 50.57 | 43.44 | 40.94 | 40.39 | 55.31 | 121.6 | 144.3 | 165.3 | 175 | 166.9 | 1208.0 |
| 1991-1992 | 140.1 | 64.52 | 48.9 | 39.84 | 38.78 | 35.87 | 49.56 | 115.3 | 144.9 | 161.9 | 174.9 | 172.2 | 1186.7 |
| 1992-1993 | 138.3 | 63.84 | 48.76 | 37.92 | 39.93 | 38.84 | 51.38 | 116 | 141.2 | 167.4 | 178 | 165.8 | 1187.3 |
| 1993-1994 | 134 | 66.54 | 47.12 | 43.46 | 43.82 | 41.52 | 52.81 | 124.4 | 151.3 | 165.3 | 178.2 | 171.8 | 1220.1 |
| 1994-1995 | 145.9 | 66.25 | 47.44 | 40.44 | 42.29 | 41.76 | 54.44 | 117.4 | 149.5 | 172.5 | 181.9 | 170.6 | 1230.4 |
| 1995-1996 | 141.6 | 62.58 | 44.84 | 40.94 | 39.86 | 42.07 | 52.63 | 115.4 | 156.6 | 170.8 | 182.3 | 163.4 | 1213.2 |
| 1996-1997 | 141.5 | 61.35 | 50.34 | 44.46 | 42.95 | 39.53 | 51.14 | 113.7 | 152.4 | 170 | 185.6 | 166.8 | 1219.8 |
| 1997-1998 | 139.4 | 63.06 | 49.5 | 43.14 | 41.17 | 41.17 | 51.64 | 124.5 | 148.3 | 166.2 | 187.7 | 179.8 | 1235.5 |
| 1998-1999 | 145.7 | 67.01 | 52.52 | 44.73 | 43.31 | 42.31 | 54.44 | 121.6 | 158.4 | 174.2 | 185.5 | 173.9 | 1263.7 |
| 1999-2000 | 144.2 | 65.7 | 49.59 | 45.26 | 37.24 | 39.01 | 51.83 | 121.4 | 149.8 | 173.4 | 188.1 | 171.8 | 1237.3 |
| 2000-2001 | 143.6 | 62.87 | 49.74 | 42.56 | 42.62 | 41.77 | 58.34 | 123.3 | 154.2 | 167.8 | 182 | 172.3 | 1241.0 |
| 2001-2002 | 142.6 | 64.02 | 48.28 | 42.3 | 38.84 | 43.04 | 55.66 | 117.7 | 147.3 | 167.8 | 183.5 | 169.5 | 1220.4 |
| 2002-2003 | 139.7 | 64.42 | 50.94 | 40.75 | 43.8 | 39.08 | 50.3 | 118.5 | 161 | 172.7 | 187.7 | 176.9 | 1245.7 |
| 2003-2004 | 143.3 | 65.91 | 50.07 | 43.29 | 40.93 | 41.29 | 55.35 | 120.6 | 148.7 | 168.8 | 184 | 170 | 1232.2 |
| 2004-2005 | 142.9 | 66.91 | 49.43 | 41.56 | 42.59 | 40.09 | 55.02 | 123.4 | 151.6 | 167 | 183.2 | 172.1 | 1235.8 |
| 2005-2006 | 144.7 | 62.55 | 47.51 | 43.82 | 40.91 | 41.38 | 54.18 | 124.2 | 152.6 | 169.5 | 183.7 | 174.6 | 1239.7 |
| 2006-2007 | 148.2 | 65.45 | 47.95 | 41.56 | 36.87 | 37.84 | 48.25 | 103.9 | 141.8 | 156.2 | 168.6 | 159.9 | 1156.5 |
| 2007-2008 | 130.3 | 60.69 | 46.05 | 38.57 | 40.15 | 39.6 | 58.7 | 123 | 146.4 | 165.6 | 178.8 | 169.4 | 1197.2 |
| 2008-2009 | 140.7 | 62.94 | 51.79 | 44.21 | 43.69 | 42.69 | 53.94 | 120.4 | 146.5 | 167.5 | 179 | 168.1 | 1221.5 |
| 2009-2010 | 138.8 | 65.86 | 49.5 | 44.57 | 42.77 | 42.51 | 56.34 | 122.6 | 149.1 | 162.3 | 174 | 172.8 | 1221.2 |
| 2010-2011 | 143.7 | 64.71 | 52.69 | 46.67 | 43.34 | 42.58 | 54.21 | 118.7 | 145.1 | 163.1 | 177.2 | 167.9 | 1219.8 |
| 2011-2012 | 142.4 | 62.45 | 46.35 | 43 | 41.69 | 40.04 | 52.27 | 119.9 | 146.2 | 165 | 181.8 | 170.8 | 1211.8 |
| 2012-2013 | 141 | 64.66 | 51.04 | 44.41 | 42.84 | 43.81 | 55.47 | 122.8 | 154.1 | 163.6 | 176.1 | 168.5 | 1228.4 |
| 2013-2014 | 140.1 | 61.59 | 51.73 | 41.57 | 45.02 | 43.83 | 56.6 | 122.3 | 146.5 | 163 | 174.5 | 168.5 | 1215.3 |
| 2014-2015 | 141.1 | 63.39 | 49.19 | 45.89 | 42.29 | 41.83 | 55.45 | 116.6 | 148 | 158.3 | 174.6 | 169.6 | 1206.3 |
| AVERAGE | 141.7 | 64.1 | 49.2 | 42.9 | 41.5 | 41.0 | 53.5 | 120.0 | 149.4 | 166.6 | 180.3 | 170.1 | |

**Table A.5** Akdeniz station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 113.7 | 91.53 | 56.27 | 45.03 | 44.38 | 50.96 | 79.58 | 99.27 | 127.1 | 147.8 | 155 | 142.1 | 1152.7 |
| 1979-1980 | 118.3 | 92.71 | 62.39 | 40.61 | 37.96 | 44.77 | 74.35 | 95.32 | 126.8 | 146.6 | 154.8 | 146.2 | 1140.8 |
| 1980-1981 | 115.1 | 91.71 | 60.33 | 43.02 | 40.55 | 45.49 | 79.43 | 98.53 | 123.3 | 147.9 | 155.6 | 144.7 | 1145.6 |
| 1981-1982 | 115.4 | 94.35 | 54.42 | 45.43 | 43.21 | 42.46 | 73.18 | 98.94 | 127.7 | 144.8 | 152.9 | 144.6 | 1137.4 |
| 1982-1983 | 119.3 | 92.74 | 53.89 | 39.76 | 35.82 | 42.4 | 74.12 | 97.27 | 129.6 | 143.3 | 154.4 | 142.8 | 1125.3 |
| 1983-1984 | 115.6 | 93.34 | 65.22 | 47.61 | 44.03 | 48.78 | 77.28 | 95.91 | 129.2 | 143.9 | 152.6 | 142.2 | 1155.8 |
| 1984-1985 | 115.3 | 90.16 | 54.71 | 37.72 | 42.88 | 41.57 | 75.54 | 98.39 | 132.5 | 146.5 | 157.3 | 146.9 | 1139.5 |
| 1985-1986 | 119 | 87.5 | 61.13 | 42.4 | 42.24 | 50.12 | 80.04 | 104.7 | 127.2 | 147.2 | 154.9 | 144.4 | 1160.8 |
| 1986-1987 | 120.7 | 90.49 | 52.71 | 40.31 | 43.87 | 49.69 | 70.27 | 95.9 | 126.3 | 146.5 | 157.9 | 146.3 | 1140.9 |
| 1987-1988 | 120 | 88.62 | 56.15 | 40.81 | 41.33 | 45.96 | 75.22 | 99.59 | 132 | 148.3 | 161.4 | 147 | 1156.4 |
| 1988-1989 | 120.6 | 89.91 | 51.91 | 39.83 | 34.11 | 43.58 | 78.11 | 105.1 | 132.2 | 144.7 | 157.3 | 145 | 1142.3 |
| 1989-1990 | 116.6 | 86.44 | 58.29 | 41.87 | 36.35 | 44.75 | 77.05 | 98.44 | 127.6 | 144.9 | 154.8 | 144.2 | 1131.3 |
| 1990-1991 | 115.7 | 91.13 | 59.73 | 42.46 | 39.71 | 44.78 | 79.5 | 99.37 | 125.2 | 145.2 | 152.2 | 142.6 | 1137.6 |
| 1991-1992 | 115.7 | 91.37 | 56.97 | 36.14 | 36.02 | 37.73 | 71.28 | 94.99 | 125.7 | 143.1 | 152.1 | 146.2 | 1107.3 |
| 1992-1993 | 114.4 | 90.29 | 56.74 | 32.8 | 38.02 | 42.36 | 73.89 | 95.47 | 123.3 | 146.5 | 154.1 | 141.9 | 1109.8 |
| 1993-1994 | 111.3 | 94.41 | 53.99 | 42.49 | 44.61 | 46.57 | 75.89 | 101.3 | 129.8 | 145.2 | 154.3 | 145.9 | 1145.7 |
| 1994-1995 | 119.9 | 93.99 | 54.53 | 37.18 | 42.04 | 46.91 | 78.22 | 96.5 | 128.6 | 149.7 | 156.6 | 145.1 | 1149.3 |
| 1995-1996 | 116.8 | 88.39 | 50.21 | 38.07 | 37.88 | 47.42 | 75.65 | 95.13 | 133.2 | 148.6 | 156.8 | 140.3 | 1128.5 |
| 1996-1997 | 116.8 | 86.55 | 59.36 | 44.26 | 43.15 | 43.42 | 73.53 | 93.91 | 130.5 | 148.2 | 158.9 | 142.6 | 1141.1 |
| 1997-1998 | 115.2 | 89.13 | 57.98 | 41.93 | 40.1 | 46.02 | 74.23 | 101.4 | 127.9 | 145.7 | 160.2 | 151.3 | 1151.1 |
| 1998-1999 | 119.8 | 95.13 | 63 | 44.71 | 43.75 | 47.8 | 78.24 | 99.38 | 134.3 | 150.7 | 158.9 | 147.3 | 1183.1 |
| 1999-2000 | 118.7 | 93.12 | 58.1 | 45.63 | 33.42 | 42.65 | 74.53 | 99.25 | 128.8 | 150.2 | 160.5 | 145.9 | 1150.8 |
| 2000-2001 | 118.3 | 88.83 | 58.35 | 40.91 | 42.59 | 46.97 | 83.78 | 100.5 | 131.7 | 146.7 | 156.6 | 146.2 | 1161.5 |
| 2001-2002 | 117.5 | 90.56 | 55.93 | 40.46 | 36.14 | 48.95 | 79.99 | 96.65 | 127.2 | 146.7 | 157.6 | 144.4 | 1142.1 |
| 2002-2003 | 115.4 | 91.19 | 60.36 | 37.72 | 44.6 | 42.72 | 72.34 | 97.2 | 136 | 149.8 | 160.3 | 149.3 | 1156.9 |
| 2003-2004 | 118.1 | 93.44 | 58.92 | 42.18 | 39.71 | 46.22 | 79.54 | 98.73 | 128.1 | 147.4 | 157.9 | 144.7 | 1154.9 |
| 2004-2005 | 117.8 | 94.97 | 57.82 | 39.15 | 42.52 | 44.32 | 79.06 | 100.6 | 130 | 146.3 | 157.4 | 146.1 | 1156.0 |
| 2005-2006 | 119.1 | 88.39 | 54.66 | 43.1 | 39.69 | 46.33 | 77.86 | 101.1 | 130.6 | 147.8 | 157.7 | 147.8 | 1154.2 |
| 2006-2007 | 121.6 | 92.74 | 55.42 | 39.17 | 32.79 | 40.79 | 69.44 | 87.18 | 123.7 | 139.5 | 148.2 | 138 | 1088.5 |
| 2007-2008 | 108.6 | 85.54 | 52.22 | 33.91 | 38.37 | 43.55 | 84.31 | 100.3 | 126.6 | 145.4 | 154.6 | 144.3 | 1117.7 |
| 2008-2009 | 116.2 | 88.93 | 61.78 | 43.81 | 44.4 | 48.4 | 77.54 | 98.55 | 126.7 | 146.6 | 154.8 | 143.5 | 1151.0 |
| 2009-2010 | 114.8 | 93.37 | 57.98 | 44.44 | 42.84 | 48.1 | 80.97 | 100 | 128.4 | 143.4 | 151.6 | 146.6 | 1152.5 |
| 2010-2011 | 118.3 | 91.63 | 63.28 | 48.12 | 43.81 | 48.22 | 77.93 | 97.34 | 125.8 | 143.9 | 153.6 | 143.3 | 1155.2 |
| 2011-2012 | 117.4 | 88.2 | 52.74 | 41.68 | 40.99 | 44.25 | 75.15 | 98.18 | 126.5 | 145 | 156.5 | 145.2 | 1131.8 |
| 2012-2013 | 116.4 | 91.56 | 60.53 | 44.15 | 42.95 | 50.16 | 79.7 | 100.2 | 131.6 | 144.1 | 152.9 | 143.7 | 1158.0 |
| 2013-2014 | 115.8 | 86.91 | 61.68 | 39.18 | 46.67 | 50.18 | 81.34 | 99.86 | 126.7 | 143.8 | 151.9 | 143.7 | 1147.7 |
| 2014-2015 | 116.5 | 89.64 | 57.46 | 46.76 | 42.03 | 47.05 | 79.69 | 95.94 | 127.7 | 140.9 | 152 | 144.4 | 1140.0 |
| AVERAGE | 116.9 | 90.8 | 57.5 | 41.5 | 40.7 | 45.7 | 77.0 | 98.3 | 128.5 | 146.0 | 155.6 | 144.8 | |

**Table A.6** Alaykoy station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 99.7 | 73.2 | 36.9 | 29.7 | 27.3 | 33.8 | 52.2 | 74.3 | 117.7 | 172.2 | 197.9 | 162.0 | 1076.9 |
| 1979-1980 | 116.3 | 70.4 | 41.3 | 26.6 | 24.3 | 28.0 | 43.5 | 65.5 | 108.7 | 159.0 | 185.8 | 163.0 | 1032.4 |
| 1980-1981 | 102.5 | 69.3 | 40.7 | 27.9 | 25.7 | 29.6 | 51.3 | 72.7 | 101.3 | 167.0 | 191.4 | 164.8 | 1044.1 |
| 1981-1982 | 113.1 | 76.0 | 33.9 | 29.8 | 27.1 | 26.9 | 42.9 | 72.4 | 112.1 | 153.8 | 175.0 | 162.7 | 1025.8 |
| 1982-1983 | 114.0 | 71.2 | 33.9 | 25.4 | 22.9 | 26.6 | 44.3 | 70.7 | 115.5 | 146.6 | 181.0 | 155.7 | 1007.8 |
| 1983-1984 | 103.8 | 62.9 | 41.3 | 29.2 | 28.2 | 31.8 | 47.6 | 66.5 | 124.5 | 145.3 | 167.8 | 144.4 | 993.3 |
| 1984-1985 | 95.9 | 62.8 | 33.5 | 24.1 | 27.5 | 26.3 | 44.8 | 71.3 | 119.9 | 148.7 | 176.6 | 161.7 | 993.0 |
| 1985-1986 | 104.2 | 59.3 | 39.4 | 25.9 | 26.7 | 32.2 | 50.8 | 81.8 | 105.1 | 159.4 | 184.6 | 158.3 | 1027.7 |
| 1986-1987 | 113.7 | 66.5 | 33.8 | 26.6 | 27.8 | 31.8 | 38.9 | 65.3 | 104.6 | 152.6 | 188.3 | 162.2 | 1012.2 |
| 1987-1988 | 111.4 | 63.3 | 35.3 | 27.1 | 25.9 | 29.3 | 44.3 | 72.2 | 121.1 | 160.8 | 205.8 | 168.5 | 1065.0 |
| 1988-1989 | 111.6 | 62.7 | 32.8 | 26.4 | 22.8 | 28.4 | 49.4 | 88.3 | 124.3 | 147.1 | 190.0 | 157.9 | 1041.7 |
| 1989-1990 | 105.5 | 59.9 | 37.3 | 27.6 | 23.5 | 29.2 | 48.7 | 73.0 | 113.7 | 152.3 | 180.4 | 159.2 | 1010.4 |
| 1990-1991 | 103.2 | 70.3 | 40.6 | 28.0 | 26.0 | 29.0 | 51.7 | 74.2 | 107.6 | 155.8 | 172.2 | 155.4 | 1014.0 |
| 1991-1992 | 105.5 | 68.1 | 37.7 | 23.7 | 23.2 | 23.7 | 41.9 | 68.0 | 106.2 | 147.8 | 170.4 | 164.9 | 981.1 |
| 1992-1993 | 102.0 | 70.9 | 36.9 | 22.7 | 24.4 | 26.9 | 44.2 | 68.4 | 100.0 | 157.4 | 180.8 | 157.6 | 992.2 |
| 1993-1994 | 98.5 | 78.2 | 35.2 | 28.9 | 28.6 | 30.3 | 47.2 | 78.3 | 119.3 | 154.1 | 181.2 | 165.2 | 1044.9 |
| 1994-1995 | 115.0 | 75.0 | 35.2 | 24.4 | 26.9 | 30.9 | 48.3 | 68.5 | 114.3 | 165.6 | 183.8 | 161.5 | 1049.5 |
| 1995-1996 | 105.7 | 64.8 | 32.0 | 25.7 | 24.9 | 31.5 | 46.1 | 65.6 | 124.9 | 164.3 | 187.6 | 153.5 | 1026.6 |
| 1996-1997 | 104.0 | 61.6 | 39.7 | 29.3 | 27.4 | 27.8 | 43.4 | 62.3 | 122.6 | 162.6 | 194.4 | 146.9 | 1021.9 |
| 1997-1998 | 99.7 | 66.0 | 38.8 | 27.9 | 26.1 | 30.7 | 45.0 | 79.6 | 112.7 | 158.9 | 201.2 | 185.6 | 1072.3 |
| 1998-1999 | 111.0 | 75.0 | 43.5 | 29.7 | 22.9 | 24.9 | 38.8 | 57.0 | 97.0 | 126.9 | 150.5 | 131.4 | 908.6 |
| 1999-2000 | 82.3 | 56.8 | 31.4 | 23.6 | 22.7 | 28.2 | 44.2 | 72.2 | 113.0 | 171.7 | 199.6 | 158.2 | 1003.9 |
| 2000-2001 | 105.3 | 62.8 | 38.0 | 26.0 | 26.2 | 29.7 | 55.2 | 72.2 | 118.6 | 159.9 | 186.0 | 164.2 | 1044.1 |
| 2001-2002 | 105.9 | 67.5 | 36.8 | 26.7 | 23.8 | 32.9 | 51.5 | 69.5 | 111.1 | 159.5 | 192.6 | 159.9 | 1037.6 |
| 2002-2003 | 102.2 | 69.1 | 41.0 | 25.4 | 28.8 | 27.1 | 42.9 | 68.0 | 134.5 | 165.5 | 199.4 | 172.9 | 1076.9 |
| 2003-2004 | 105.0 | 71.2 | 39.2 | 27.4 | 25.4 | 29.2 | 51.3 | 72.7 | 111.4 | 158.9 | 197.0 | 159.7 | 1048.4 |
| 2004-2005 | 107.4 | 74.0 | 38.0 | 26.4 | 27.4 | 28.9 | 52.7 | 78.7 | 122.6 | 158.2 | 197.0 | 168.1 | 1079.5 |
| 2005-2006 | 115.4 | 68.4 | 37.4 | 30.1 | 25.7 | 31.4 | 50.4 | 80.7 | 122.6 | 167.2 | 193.3 | 172.3 | 1094.9 |
| 2006-2007 | 116.5 | 69.4 | 36.2 | 26.8 | 26.7 | 32.0 | 50.8 | 72.4 | 124.4 | 179.7 | 211.7 | 178.5 | 1125.2 |
| 2007-2008 | 115.7 | 75.9 | 40.5 | 27.3 | 23.0 | 28.9 | 55.6 | 78.4 | 114.3 | 168.6 | 193.9 | 173.1 | 1095.4 |
| 2008-2009 | 105.5 | 66.0 | 41.0 | 27.0 | 26.9 | 29.8 | 45.6 | 71.9 | 112.9 | 171.4 | 196.8 | 165.8 | 1060.7 |
| 2009-2010 | 103.1 | 74.3 | 37.4 | 29.2 | 27.8 | 31.5 | 51.1 | 75.7 | 116.4 | 152.7 | 181.3 | 182.0 | 1062.5 |
| 2010-2011 | 114.2 | 70.1 | 42.3 | 30.6 | 26.8 | 30.1 | 47.3 | 68.0 | 108.4 | 157.5 | 190.4 | 168.4 | 1054.3 |
| 2011-2012 | 113.0 | 64.5 | 32.9 | 25.7 | 24.3 | 26.5 | 43.5 | 72.0 | 109.4 | 165.5 | 205.5 | 175.7 | 1058.6 |
| 2012-2013 | 110.8 | 70.5 | 41.0 | 27.8 | 25.5 | 31.5 | 49.0 | 75.3 | 125.3 | 157.5 | 182.3 | 169.8 | 1066.4 |
| 2013-2014 | 106.0 | 63.4 | 41.6 | 24.9 | 28.6 | 31.7 | 52.2 | 75.2 | 109.8 | 158.1 | 182.0 | 166.7 | 1040.1 |
| 2014-2015 | 107.9 | 65.7 | 36.0 | 29.5 | 24.7 | 28.4 | 48.8 | 66.3 | 115.6 | 144.7 | 185.1 | 172.6 | 1025.3 |
| AVERAGE | 106.8 | 68.0 | 37.6 | 27.1 | 25.8 | 29.4 | 47.5 | 72.0 | 114.7 | 158.2 | 187.6 | 163.5 | |

**Table A.7** Alaykoy station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 113.6 | 76.9 | 32.8 | 22.8 | 16.0 | 23.7 | 32.9 | 55.2 | 90.8 | 160.2 | 179.2 | 147.8 | 951.8 |
| 1979-1980 | 160.0 | 81.9 | 46.9 | 19.2 | 12.6 | 15.3 | 23.6 | 48.1 | 90.5 | 163.7 | 188.2 | 167.6 | 1017.5 |
| 1980-1981 | 128.6 | 76.5 | 43.7 | 20.9 | 14.4 | 17.6 | 34.0 | 57.3 | 77.3 | 166.9 | 186.6 | 162.8 | 986.6 |
| 1981-1982 | 153.6 | 91.5 | 30.5 | 25.8 | 17.6 | 13.4 | 22.7 | 59.2 | 94.5 | 156.1 | 174.7 | 166.7 | 1006.2 |
| 1982-1983 | 168.2 | 89.5 | 33.0 | 17.9 | 10.8 | 13.8 | 26.6 | 60.9 | 106.5 | 157.9 | 196.1 | 170.6 | 1051.8 |
| 1983-1984 | 140.5 | 70.0 | 48.2 | 25.1 | 20.3 | 23.2 | 30.6 | 51.0 | 113.5 | 148.7 | 170.5 | 148.8 | 990.4 |
| 1984-1985 | 137.2 | 76.1 | 33.2 | 15.7 | 20.5 | 13.7 | 28.4 | 64.2 | 116.9 | 167.3 | 197.7 | 184.9 | 1055.7 |
| 1985-1986 | 135.7 | 61.0 | 42.1 | 17.4 | 16.7 | 23.2 | 34.3 | 73.6 | 84.5 | 162.0 | 184.3 | 160.0 | 994.8 |
| 1986-1987 | 163.8 | 78.7 | 32.0 | 20.1 | 19.9 | 23.9 | 17.8 | 50.3 | 89.3 | 163.2 | 201.1 | 175.1 | 1035.2 |
| 1987-1988 | 145.0 | 66.4 | 32.4 | 19.3 | 14.8 | 17.1 | 24.0 | 56.8 | 102.6 | 159.6 | 203.4 | 167.6 | 1009.0 |
| 1988-1989 | 150.9 | 67.6 | 28.1 | 18.7 | 9.9 | 16.2 | 32.4 | 84.5 | 110.2 | 146.8 | 192.3 | 161.0 | 1018.6 |
| 1989-1990 | 147.1 | 65.8 | 40.0 | 22.2 | 11.6 | 18.5 | 32.9 | 63.1 | 101.4 | 162.1 | 190.4 | 170.7 | 1025.9 |
| 1990-1991 | 135.0 | 81.2 | 45.2 | 21.8 | 15.5 | 17.2 | 35.8 | 61.8 | 88.4 | 158.3 | 170.8 | 157.7 | 988.9 |
| 1991-1992 | 163.1 | 89.8 | 45.0 | 15.4 | 12.2 | 9.2 | 24.3 | 60.3 | 100.2 | 171.7 | 195.8 | 195.4 | 1082.5 |
| 1992-1993 | 150.4 | 92.4 | 41.5 | 12.7 | 14.2 | 15.0 | 27.4 | 59.1 | 87.9 | 180.9 | 203.6 | 179.8 | 1064.9 |
| 1993-1994 | 118.9 | 89.8 | 31.3 | 22.5 | 19.2 | 18.6 | 27.6 | 64.7 | 98.0 | 147.3 | 171.7 | 160.2 | 969.8 |
| 1994-1995 | 151.1 | 86.5 | 32.0 | 14.1 | 16.6 | 20.2 | 29.7 | 51.0 | 94.0 | 165.7 | 178.6 | 159.5 | 998.9 |
| 1995-1996 | 146.2 | 74.6 | 27.5 | 18.0 | 14.0 | 23.0 | 28.5 | 50.2 | 115.5 | 177.4 | 197.6 | 162.1 | 1034.6 |
| 1996-1997 | 140.8 | 67.6 | 44.3 | 25.3 | 18.7 | 15.4 | 24.0 | 44.2 | 111.0 | 172.6 | 203.0 | 151.7 | 1018.5 |
| 1997-1998 | 119.4 | 68.7 | 38.3 | 20.2 | 14.7 | 19.1 | 24.1 | 65.8 | 88.9 | 151.5 | 191.3 | 179.8 | 981.9 |
| 1998-1999 | 192.6 | 113.8 | 65.8 | 32.5 | 12.7 | 12.6 | 21.0 | 43.9 | 94.0 | 151.1 | 182.8 | 162.1 | 1084.8 |
| 1999-2000 | 112.9 | 66.6 | 29.4 | 15.2 | 11.2 | 18.3 | 28.6 | 68.7 | 111.5 | 211.0 | 238.2 | 188.1 | 1099.9 |
| 2000-2001 | 134.9 | 65.9 | 38.2 | 17.3 | 15.4 | 18.1 | 40.1 | 57.0 | 99.9 | 159.2 | 182.1 | 163.5 | 991.6 |
| 2001-2002 | 138.2 | 75.3 | 36.2 | 19.0 | 11.4 | 24.4 | 35.1 | 53.6 | 91.9 | 161.3 | 192.7 | 161.1 | 1000.2 |
| 2002-2003 | 124.0 | 73.9 | 42.9 | 15.6 | 19.4 | 12.9 | 21.2 | 48.5 | 114.9 | 160.0 | 189.6 | 166.7 | 989.6 |
| 2003-2004 | 132.3 | 79.4 | 40.2 | 19.8 | 13.9 | 16.8 | 33.8 | 57.1 | 89.6 | 155.7 | 191.9 | 156.2 | 986.6 |
| 2004-2005 | 127.4 | 78.8 | 35.4 | 16.6 | 16.4 | 15.3 | 33.8 | 62.0 | 97.1 | 144.9 | 179.8 | 155.4 | 962.8 |
| 2005-2006 | 135.7 | 67.7 | 33.0 | 22.8 | 13.1 | 19.0 | 29.7 | 62.8 | 94.0 | 150.5 | 170.2 | 154.7 | 953.3 |
| 2006-2007 | 134.1 | 67.7 | 30.1 | 16.5 | 14.3 | 19.6 | 29.7 | 50.2 | 94.0 | 160.9 | 184.4 | 157.5 | 959.1 |
| 2007-2008 | 136.9 | 79.5 | 39.1 | 17.9 | 9.0 | 14.9 | 36.9 | 59.9 | 85.2 | 153.0 | 171.7 | 156.3 | 960.3 |
| 2008-2009 | 131.7 | 69.7 | 43.5 | 18.8 | 16.2 | 17.7 | 25.4 | 55.2 | 90.6 | 169.6 | 189.5 | 161.3 | 989.2 |
| 2009-2010 | 121.9 | 80.2 | 34.6 | 22.3 | 17.2 | 20.0 | 32.0 | 58.5 | 91.1 | 140.1 | 165.4 | 171.7 | 955.1 |
| 2010-2011 | 143.3 | 74.9 | 45.3 | 25.4 | 15.8 | 17.9 | 27.1 | 48.2 | 83.1 | 148.8 | 178.5 | 160.6 | 969.0 |
| 2011-2012 | 155.2 | 71.9 | 28.6 | 17.5 | 12.5 | 12.8 | 23.8 | 59.1 | 92.0 | 173.7 | 212.7 | 183.6 | 1043.2 |
| 2012-2013 | 134.8 | 74.2 | 41.7 | 19.5 | 13.3 | 20.1 | 29.0 | 57.9 | 101.4 | 146.0 | 166.5 | 159.1 | 963.5 |
| 2013-2014 | 133.9 | 66.0 | 45.3 | 14.9 | 19.5 | 21.5 | 35.1 | 60.7 | 87.6 | 154.6 | 174.9 | 163.9 | 977.9 |
| 2014-2015 | 146.5 | 74.3 | 35.6 | 25.5 | 13.3 | 16.3 | 32.1 | 50.1 | 100.7 | 145.9 | 189.7 | 180.9 | 1010.9 |
| AVERAGE | 140.7 | 76.6 | 38.2 | 19.8 | 15.0 | 17.7 | 29.1 | 57.7 | 96.8 | 160.2 | 187.5 | 165.7 | |

**Table A.8** Alaykoy station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 176.8 | 174.4 | 139.8 | 135.7 | 126.1 | 120.4 | 140.4 | 147.8 | 171.9 | 189 | 205.1 | 200.4 | 1927.8 |
| 1979-1980 | 187.3 | 171.6 | 147.5 | 128 | 118.1 | 108.4 | 127.4 | 139.3 | 166.3 | 183.5 | 200.5 | 200.8 | 1878.8 |
| 1980-1981 | 178.7 | 170.5 | 146.5 | 131.3 | 121.8 | 111.9 | 139.1 | 146.4 | 161.4 | 186.9 | 202.6 | 201.6 | 1898.8 |
| 1981-1982 | 185.4 | 177 | 134 | 135.9 | 125.7 | 106 | 126.5 | 146.2 | 168.5 | 181.3 | 196.4 | 200.7 | 1883.7 |
| 1982-1983 | 186 | 172.4 | 134.1 | 124.6 | 113.8 | 105.2 | 128.8 | 144.6 | 170.6 | 178 | 198.7 | 197.6 | 1854.4 |
| 1983-1984 | 179.5 | 163.7 | 147.6 | 134.4 | 128.5 | 116.4 | 134 | 140.4 | 175.9 | 177.5 | 193.4 | 192.3 | 1883.5 |
| 1984-1985 | 174.2 | 163.6 | 133.2 | 120.9 | 126.7 | 104.4 | 129.7 | 145.1 | 173.3 | 179 | 196.9 | 200.3 | 1847.2 |
| 1985-1986 | 179.8 | 159.5 | 144.2 | 125.9 | 124.6 | 117.4 | 138.5 | 154.5 | 164 | 183.7 | 200.2 | 198.7 | 1891.1 |
| 1986-1987 | 185.8 | 167.6 | 133.8 | 127.9 | 127.4 | 116.6 | 119.7 | 139 | 163.6 | 180.8 | 201.6 | 200.5 | 1864.4 |
| 1987-1988 | 184.3 | 164.2 | 136.8 | 129.1 | 122.4 | 111.2 | 128.9 | 146 | 173.9 | 184.3 | 207.8 | 203.2 | 1892.1 |
| 1988-1989 | 184.5 | 163.5 | 131.8 | 127.5 | 113.5 | 109.4 | 136.4 | 159.7 | 175.8 | 178.2 | 202.1 | 198.6 | 1881.1 |
| 1989-1990 | 180.6 | 160.3 | 140.6 | 130.5 | 115.7 | 111.2 | 135.5 | 146.6 | 169.5 | 180.6 | 198.6 | 199.2 | 1868.8 |
| 1990-1991 | 179.2 | 171.5 | 146.4 | 131.4 | 122.8 | 110.7 | 139.6 | 147.8 | 165.6 | 182.2 | 195.3 | 197.5 | 1890.0 |
| 1991-1992 | 180.7 | 169.3 | 141.2 | 119.8 | 114.8 | 97.86 | 124.8 | 141.8 | 164.7 | 178.6 | 194.5 | 201.7 | 1829.9 |
| 1992-1993 | 178.4 | 172.1 | 139.7 | 116.7 | 118.4 | 105.9 | 128.6 | 142.3 | 160.5 | 182.9 | 198.7 | 198.5 | 1842.5 |
| 1993-1994 | 176 | 179 | 136.5 | 133.8 | 129.4 | 113.5 | 133.3 | 151.5 | 172.9 | 181.4 | 198.9 | 201.8 | 1907.8 |
| 1994-1995 | 186.6 | 176.1 | 136.6 | 121.7 | 125.1 | 114.8 | 134.8 | 142.4 | 169.9 | 186.3 | 199.8 | 200.2 | 1894.4 |
| 1995-1996 | 180.8 | 165.8 | 130 | 125.5 | 119.7 | 116 | 131.5 | 139.4 | 176.1 | 185.8 | 201.3 | 196.6 | 1868.5 |
| 1996-1997 | 179.7 | 162.3 | 144.7 | 134.6 | 126.4 | 108.1 | 127.3 | 135.9 | 174.8 | 185 | 203.8 | 193.5 | 1876.1 |
| 1997-1998 | 176.8 | 167.1 | 143.3 | 131.2 | 123.1 | 114.3 | 129.9 | 152.6 | 168.9 | 183.5 | 206.2 | 210 | 1907.1 |
| 1998-1999 | 184.1 | 176.1 | 151 | 135.8 | 113.9 | 101.1 | 119.5 | 129.8 | 158.3 | 168.2 | 185.7 | 185.7 | 1809.1 |
| 1999-2000 | 163.8 | 156.5 | 128.8 | 119.4 | 113.1 | 108.9 | 128.7 | 145.9 | 169 | 188.8 | 205.7 | 198.7 | 1827.2 |
| 2000-2001 | 180.5 | 163.6 | 141.8 | 126.3 | 123.2 | 112.3 | 144.2 | 145.9 | 172.5 | 183.9 | 200.7 | 201.4 | 1896.3 |
| 2001-2002 | 180.9 | 168.7 | 139.5 | 128.1 | 116.4 | 118.7 | 139.4 | 143.3 | 167.9 | 183.8 | 203.1 | 199.5 | 1889.3 |
| 2002-2003 | 178.5 | 170.3 | 147 | 124.7 | 129.9 | 106.5 | 126.6 | 141.9 | 181.3 | 186.3 | 205.6 | 205 | 1903.5 |
| 2003-2004 | 180.4 | 172.4 | 143.9 | 130 | 121.1 | 111 | 139.1 | 146.5 | 168.1 | 183.5 | 204.7 | 199.4 | 1899.9 |
| 2004-2005 | 181.9 | 175.1 | 141.9 | 127.2 | 126.5 | 110.4 | 141.1 | 151.8 | 174.8 | 183.2 | 204.7 | 203 | 1921.7 |
| 2005-2006 | 186.8 | 169.7 | 140.8 | 136.5 | 122 | 115.9 | 137.9 | 153.5 | 174.8 | 187 | 203.4 | 204.8 | 1932.9 |
| 2006-2007 | 187.4 | 170.7 | 138.6 | 128.5 | 124.6 | 117 | 138.6 | 146.1 | 175.9 | 191.9 | 209.8 | 207.2 | 1936.2 |
| 2007-2008 | 187 | 176.9 | 146.1 | 129.7 | 114.2 | 110.5 | 144.9 | 151.5 | 169.9 | 187.6 | 203.6 | 205.1 | 1927.0 |
| 2008-2009 | 180.7 | 167.1 | 146.9 | 128.9 | 125 | 112.4 | 130.9 | 145.7 | 169 | 188.6 | 204.7 | 202 | 1902.0 |
| 2009-2010 | 179 | 175.4 | 140.8 | 134.5 | 127.4 | 115.9 | 138.9 | 149.2 | 171.2 | 180.8 | 198.9 | 208.6 | 1920.4 |
| 2010-2011 | 186.1 | 171.3 | 149.1 | 137.8 | 124.9 | 113.2 | 133.4 | 141.9 | 166.1 | 182.9 | 202.3 | 203.2 | 1912.2 |
| 2011-2012 | 185.4 | 165.5 | 131.9 | 125.6 | 117.9 | 105 | 127.5 | 145.7 | 166.8 | 186.3 | 207.7 | 206.1 | 1871.4 |
| 2012-2013 | 184 | 171.8 | 147 | 130.9 | 121.4 | 116.1 | 135.8 | 148.8 | 176.3 | 182.9 | 199.3 | 203.7 | 1918.0 |
| 2013-2014 | 181 | 164.3 | 148 | 123.2 | 129.4 | 116.3 | 140.3 | 148.7 | 167 | 183.1 | 199.2 | 202.4 | 1902.9 |
| 2014-2015 | 182.2 | 166.8 | 138.1 | 135.2 | 119.1 | 109.3 | 135.6 | 140.1 | 170.7 | 177.1 | 200.3 | 204.9 | 1879.4 |
| AVERAGE | 181.4 | 169.0 | 140.8 | 128.9 | 122.0 | 111.4 | 133.4 | 145.6 | 169.9 | 183.1 | 201.1 | 200.9 | |

**Table A.9** Alaykoy station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.9 | 64.49 | 47.07 | 43.4 | 41.53 | 43.07 | 55.21 | 120.3 | 150.1 | 170.8 | 182.3 | 167.6 | 1221.8 |
| 1979-1980 | 144 | 63.47 | 49.67 | 40.93 | 38.87 | 38.77 | 50.13 | 113.3 | 145.2 | 165.9 | 178.3 | 168 | 1196.5 |
| 1980-1981 | 137.4 | 63.05 | 49.36 | 41.99 | 40.12 | 40.04 | 54.7 | 119.1 | 140.9 | 168.9 | 180.2 | 168.7 | 1204.3 |
| 1981-1982 | 142.5 | 65.47 | 45.14 | 43.46 | 41.39 | 37.91 | 49.76 | 118.9 | 147.1 | 163.8 | 174.6 | 167.9 | 1197.9 |
| 1982-1983 | 142.9 | 63.76 | 45.16 | 39.85 | 37.45 | 37.62 | 50.66 | 117.6 | 148.9 | 160.9 | 176.7 | 165.3 | 1186.8 |
| 1983-1984 | 138 | 60.53 | 49.7 | 42.98 | 42.31 | 41.66 | 52.67 | 114.2 | 153.5 | 160.4 | 171.9 | 160.9 | 1188.7 |
| 1984-1985 | 133.9 | 60.5 | 44.86 | 38.67 | 41.7 | 37.33 | 50.97 | 118 | 151.2 | 161.8 | 175.1 | 167.5 | 1181.6 |
| 1985-1986 | 138.2 | 58.99 | 48.59 | 40.27 | 41.03 | 41.99 | 54.47 | 125.7 | 143.1 | 166.1 | 177.9 | 166.3 | 1202.6 |
| 1986-1987 | 142.8 | 61.98 | 45.09 | 40.9 | 41.93 | 41.72 | 47.08 | 113.1 | 142.8 | 163.4 | 179.2 | 167.7 | 1187.7 |
| 1987-1988 | 141.7 | 60.69 | 46.08 | 41.28 | 40.29 | 39.8 | 50.68 | 118.8 | 151.8 | 166.6 | 184.7 | 170 | 1212.4 |
| 1988-1989 | 141.8 | 60.43 | 44.4 | 40.76 | 37.39 | 39.15 | 53.65 | 129.9 | 153.4 | 161.1 | 179.7 | 166.1 | 1207.9 |
| 1989-1990 | 138.8 | 59.25 | 47.36 | 41.72 | 38.06 | 39.76 | 53.29 | 119.3 | 147.9 | 163.3 | 176.5 | 166.6 | 1191.9 |
| 1990-1991 | 137.7 | 63.44 | 49.31 | 42.03 | 40.42 | 39.6 | 54.92 | 120.2 | 144.6 | 164.6 | 173.6 | 165.2 | 1195.6 |
| 1991-1992 | 138.8 | 62.61 | 47.58 | 38.32 | 37.79 | 35 | 49.09 | 115.4 | 143.8 | 161.4 | 172.9 | 168.7 | 1171.4 |
| 1992-1993 | 137.1 | 63.65 | 47.07 | 37.31 | 38.96 | 37.88 | 50.57 | 115.8 | 140.1 | 165.3 | 176.6 | 166 | 1176.3 |
| 1993-1994 | 135.3 | 66.2 | 45.98 | 42.79 | 42.58 | 40.59 | 52.43 | 123.3 | 150.9 | 164 | 176.8 | 168.8 | 1209.5 |
| 1994-1995 | 143.4 | 65.13 | 45.98 | 38.93 | 41.17 | 41.05 | 53.03 | 115.9 | 148.3 | 168.4 | 177.6 | 167.4 | 1206.4 |
| 1995-1996 | 139 | 61.32 | 43.8 | 40.15 | 39.39 | 41.49 | 51.74 | 113.4 | 153.7 | 167.9 | 178.9 | 164.5 | 1195.3 |
| 1996-1997 | 138.1 | 60 | 48.75 | 43.04 | 41.63 | 38.65 | 50.07 | 110.6 | 152.6 | 167.3 | 181.1 | 161.9 | 1193.7 |
| 1997-1998 | 135.9 | 61.8 | 48.25 | 41.96 | 40.52 | 40.88 | 51.09 | 124.2 | 147.4 | 165.9 | 183.3 | 175.7 | 1216.8 |
| 1998-1999 | 141.5 | 65.13 | 50.85 | 43.41 | 37.49 | 36.14 | 47 | 105.6 | 138.2 | 152 | 165.1 | 155.3 | 1137.7 |
| 1999-2000 | 125.9 | 57.86 | 43.38 | 38.18 | 37.23 | 38.95 | 50.61 | 118.7 | 147.6 | 170.6 | 182.8 | 166.2 | 1178.1 |
| 2000-2001 | 138.8 | 60.5 | 47.75 | 40.38 | 40.57 | 40.16 | 56.74 | 118.7 | 150.5 | 166.2 | 178.4 | 168.4 | 1207.2 |
| 2001-2002 | 139.1 | 62.37 | 47.01 | 40.98 | 38.34 | 42.44 | 54.82 | 116.6 | 146.5 | 166.1 | 180.6 | 166.9 | 1201.7 |
| 2002-2003 | 137.2 | 62.98 | 49.5 | 39.89 | 42.75 | 38.08 | 49.78 | 115.4 | 158.3 | 168.4 | 182.7 | 171.5 | 1216.5 |
| 2003-2004 | 138.6 | 63.78 | 48.46 | 41.57 | 39.88 | 39.73 | 54.7 | 119.2 | 146.7 | 165.9 | 182 | 166.8 | 1207.2 |
| 2004-2005 | 139.8 | 64.76 | 47.79 | 40.69 | 41.64 | 39.52 | 55.47 | 123.5 | 152.6 | 165.6 | 182 | 169.8 | 1223.2 |
| 2005-2006 | 143.6 | 62.73 | 47.41 | 43.65 | 40.15 | 41.43 | 54.21 | 124.9 | 152.6 | 169 | 180.8 | 171.3 | 1231.7 |
| 2006-2007 | 144 | 63.1 | 46.67 | 41.08 | 41.01 | 41.86 | 54.47 | 118.9 | 153.5 | 173.4 | 186.5 | 173.4 | 1237.9 |
| 2007-2008 | 143.7 | 65.42 | 49.21 | 41.49 | 37.59 | 39.54 | 56.96 | 123.3 | 148.3 | 169.5 | 181 | 171.5 | 1227.6 |
| 2008-2009 | 138.9 | 61.79 | 49.49 | 41.24 | 41.14 | 40.22 | 51.48 | 118.5 | 147.5 | 170.5 | 181.9 | 169 | 1211.8 |
| 2009-2010 | 137.6 | 64.86 | 47.42 | 43.02 | 41.96 | 41.46 | 54.61 | 121.4 | 149.4 | 163.4 | 176.8 | 174.5 | 1216.5 |
| 2010-2011 | 143 | 63.36 | 50.23 | 44.06 | 41.13 | 40.46 | 52.46 | 115.4 | 145 | 165.3 | 179.9 | 169.9 | 1210.3 |
| 2011-2012 | 142.5 | 61.21 | 44.45 | 40.16 | 38.78 | 37.55 | 50.16 | 118.6 | 145.6 | 168.4 | 184.6 | 172.4 | 1204.4 |
| 2012-2013 | 141.4 | 63.52 | 49.5 | 41.86 | 39.95 | 41.51 | 53.44 | 121.1 | 153.9 | 165.3 | 177.1 | 170.4 | 1219.1 |
| 2013-2014 | 139.1 | 60.74 | 49.86 | 39.39 | 42.61 | 41.63 | 55.18 | 121 | 145.8 | 165.6 | 177 | 169.3 | 1207.2 |
| 2014-2015 | 140.1 | 61.66 | 46.52 | 43.23 | 39.2 | 39.09 | 53.36 | 114 | 149 | 160.1 | 178.1 | 171.4 | 1195.7 |
| AVERAGE | 139.4 | 62.5 | 47.4 | 41.2 | 40.2 | 39.8 | 52.5 | 118.4 | 148.3 | 165.5 | 178.8 | 168.1 | |

**Table A.10** Alaykoy station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116.3 | 94.05 | 55.71 | 43.82 | 42.31 | 50.88 | 82.46 | 102.2 | 133.7 | 153.8 | 162 | 147.7 | 1184.9 |
| 1979-1980 | 122.2 | 92.52 | 60.04 | 39.48 | 37.81 | 44.12 | 75.2 | 97.41 | 130.5 | 150.7 | 159.4 | 148 | 1157.4 |
| 1980-1981 | 117.4 | 91.89 | 59.5 | 41.37 | 39.91 | 46.12 | 81.74 | 101.4 | 127.8 | 152.6 | 160.6 | 148.4 | 1168.7 |
| 1981-1982 | 121.1 | 95.55 | 52.49 | 43.94 | 42.09 | 42.78 | 74.69 | 101.3 | 131.8 | 149.4 | 157.1 | 147.9 | 1160.2 |
| 1982-1983 | 121.5 | 92.95 | 52.52 | 37.59 | 35.39 | 42.33 | 75.95 | 100.4 | 133 | 147.6 | 158.4 | 146.2 | 1143.8 |
| 1983-1984 | 117.9 | 88.09 | 60.09 | 43.06 | 43.63 | 48.64 | 78.86 | 98.02 | 135.9 | 147.3 | 155.5 | 143.2 | 1160.0 |
| 1984-1985 | 114.9 | 88 | 52.02 | 35.52 | 42.61 | 41.88 | 76.45 | 100.7 | 134.5 | 148.1 | 157.4 | 147.7 | 1139.7 |
| 1985-1986 | 118 | 85.73 | 58.21 | 38.33 | 41.47 | 49.18 | 81.41 | 105.9 | 129.2 | 150.8 | 159.2 | 146.8 | 1164.3 |
| 1986-1987 | 121.4 | 90.28 | 52.39 | 39.44 | 43.04 | 48.74 | 70.86 | 97.28 | 129 | 149.1 | 160 | 147.8 | 1149.3 |
| 1987-1988 | 120.6 | 88.32 | 54.06 | 40.13 | 40.21 | 45.73 | 76.02 | 101.2 | 134.8 | 151.1 | 163.5 | 149.3 | 1164.9 |
| 1988-1989 | 120.7 | 87.94 | 51.27 | 39.19 | 35.25 | 44.72 | 80.23 | 108.8 | 135.9 | 147.7 | 160.3 | 146.7 | 1158.7 |
| 1989-1990 | 118.5 | 86.15 | 56.19 | 40.89 | 36.45 | 45.68 | 79.72 | 101.5 | 132.3 | 149 | 158.3 | 147.1 | 1151.8 |
| 1990-1991 | 117.6 | 92.46 | 59.43 | 41.42 | 40.44 | 45.44 | 82.04 | 102.2 | 130.2 | 149.9 | 156.5 | 146.1 | 1163.7 |
| 1991-1992 | 118.5 | 91.22 | 56.54 | 34.9 | 35.98 | 38.22 | 73.74 | 98.85 | 129.6 | 147.9 | 156.1 | 148.5 | 1130.0 |
| 1992-1993 | 117.2 | 92.79 | 55.68 | 33.15 | 37.99 | 42.73 | 75.84 | 99.11 | 127.3 | 150.3 | 158.4 | 146.7 | 1137.1 |
| 1993-1994 | 115.9 | 96.64 | 53.9 | 42.73 | 44.15 | 46.98 | 78.48 | 104.3 | 134.2 | 149.5 | 158.5 | 148.5 | 1173.7 |
| 1994-1995 | 121.8 | 95.05 | 53.91 | 35.98 | 41.72 | 47.73 | 79.34 | 99.16 | 132.6 | 152.2 | 159.1 | 147.6 | 1166.2 |
| 1995-1996 | 118.5 | 89.23 | 50.26 | 38.1 | 38.69 | 48.39 | 77.5 | 97.49 | 136 | 151.9 | 159.9 | 145.6 | 1151.6 |
| 1996-1997 | 117.9 | 87.28 | 58.51 | 43.17 | 42.48 | 43.94 | 75.14 | 95.53 | 135.3 | 151.5 | 161.3 | 143.9 | 1155.9 |
| 1997-1998 | 116.3 | 89.97 | 57.69 | 41.29 | 40.65 | 47.46 | 76.57 | 104.9 | 132 | 150.7 | 162.6 | 153.1 | 1173.3 |
| 1998-1999 | 120.4 | 95.02 | 62.01 | 43.84 | 35.47 | 40.05 | 70.75 | 92.09 | 126 | 142 | 151.1 | 139.5 | 1118.4 |
| 1999-2000 | 109 | 84 | 49.56 | 34.64 | 35 | 44.41 | 75.9 | 101.1 | 132.1 | 153.6 | 162.3 | 146.8 | 1128.5 |
| 2000-2001 | 118.4 | 88 | 56.87 | 38.55 | 40.69 | 46.3 | 84.62 | 101.1 | 134 | 150.9 | 159.5 | 148.3 | 1167.3 |
| 2001-2002 | 118.6 | 90.85 | 55.59 | 39.57 | 36.87 | 49.89 | 81.91 | 99.67 | 131.4 | 150.8 | 160.9 | 147.2 | 1163.3 |
| 2002-2003 | 117.3 | 91.79 | 59.77 | 37.66 | 44.42 | 43.05 | 74.72 | 98.86 | 139 | 152.2 | 162.3 | 150.3 | 1171.3 |
| 2003-2004 | 118.3 | 92.96 | 58.01 | 40.59 | 39.49 | 45.59 | 81.72 | 101.5 | 131.5 | 150.6 | 161.8 | 147.2 | 1169.3 |
| 2004-2005 | 119.2 | 94.46 | 56.89 | 39.05 | 42.51 | 45.28 | 82.85 | 104.4 | 135.3 | 150.5 | 161.8 | 149.2 | 1181.5 |
| 2005-2006 | 121.9 | 91.41 | 56.28 | 44.25 | 39.98 | 48.32 | 81.06 | 105.4 | 135.3 | 152.6 | 161.1 | 150.2 | 1187.8 |
| 2006-2007 | 122.3 | 91.97 | 55.04 | 39.76 | 41.45 | 48.98 | 81.44 | 101.3 | 135.9 | 155.4 | 164.6 | 151.6 | 1189.6 |
| 2007-2008 | 122 | 95.46 | 59.29 | 40.46 | 35.62 | 45.34 | 84.98 | 104.3 | 132.5 | 153 | 161.2 | 150.3 | 1184.5 |
| 2008-2009 | 118.5 | 89.98 | 59.74 | 40 | 41.69 | 46.4 | 77.13 | 101 | 132.1 | 153.5 | 161.8 | 148.6 | 1170.4 |
| 2009-2010 | 117.6 | 94.61 | 56.29 | 43.14 | 43.05 | 48.33 | 81.62 | 103 | 133.3 | 149.1 | 158.5 | 152.3 | 1180.8 |
| 2010-2011 | 121.5 | 92.35 | 60.97 | 44.98 | 41.64 | 46.8 | 78.56 | 98.91 | 130.4 | 150.3 | 160.4 | 149.3 | 1176.2 |
| 2011-2012 | 121.1 | 89.09 | 51.32 | 38.13 | 37.69 | 42.23 | 75.24 | 101 | 130.8 | 152.2 | 163.5 | 150.9 | 1153.3 |
| 2012-2013 | 120.4 | 92.61 | 59.77 | 41.12 | 39.64 | 48.44 | 79.9 | 102.8 | 136.2 | 150.3 | 158.8 | 149.6 | 1179.4 |
| 2013-2014 | 118.7 | 88.39 | 60.35 | 36.78 | 44.18 | 48.6 | 82.43 | 102.7 | 130.9 | 150.4 | 158.7 | 148.8 | 1171.0 |
| 2014-2015 | 119.3 | 89.78 | 54.81 | 43.53 | 38.37 | 44.62 | 79.8 | 97.89 | 133 | 147.1 | 159.3 | 150.2 | 1157.8 |
| AVERAGE | 118.9 | 91.0 | 56.3 | 40.0 | 40.0 | 45.8 | 78.6 | 100.9 | 132.6 | 150.4 | 159.8 | 148.0 | |

**Table A.11** Alevkaya station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 89.1 | 63.4 | 31.4 | 25.7 | 23.3 | 28.9 | 41.9 | 61.0 | 95.0 | 129.7 | 151.8 | 133.1 | 874.3 |
| 1979-1980 | 94.0 | 61.7 | 39.4 | 24.2 | 21.9 | 23.6 | 38.2 | 56.3 | 94.1 | 141.6 | 165.3 | 147.1 | 907.4 |
| 1980-1981 | 84.7 | 61.0 | 36.5 | 24.7 | 23.1 | 26.7 | 39.7 | 60.9 | 82.5 | 134.9 | 147.7 | 126.2 | 848.6 |
| 1981-1982 | 89.5 | 67.0 | 29.9 | 28.2 | 22.9 | 22.0 | 33.9 | 53.4 | 84.2 | 131.0 | 141.8 | 136.3 | 839.9 |
| 1982-1983 | 93.6 | 58.1 | 29.2 | 22.5 | 19.9 | 23.5 | 38.5 | 58.4 | 96.3 | 118.5 | 155.3 | 134.9 | 848.6 |
| 1983-1984 | 90.8 | 55.3 | 35.8 | 24.9 | 23.9 | 27.2 | 41.5 | 54.7 | 103.7 | 132.6 | 161.5 | 118.1 | 869.9 |
| 1984-1985 | 77.0 | 66.3 | 28.8 | 22.4 | 24.5 | 23.0 | 38.0 | 61.3 | 105.9 | 130.8 | 154.5 | 137.6 | 870.0 |
| 1985-1986 | 86.6 | 51.1 | 34.6 | 23.1 | 22.2 | 26.2 | 41.1 | 66.7 | 83.2 | 125.9 | 149.5 | 127.9 | 838.2 |
| 1986-1987 | 94.9 | 55.6 | 27.8 | 22.4 | 22.3 | 27.1 | 32.5 | 55.2 | 93.6 | 121.8 | 157.1 | 129.7 | 840.2 |
| 1987-1988 | 86.8 | 50.7 | 31.9 | 23.1 | 22.2 | 24.3 | 36.6 | 61.1 | 98.4 | 129.1 | 170.2 | 137.1 | 871.4 |
| 1988-1989 | 90.6 | 52.1 | 26.0 | 21.7 | 18.9 | 23.4 | 40.5 | 77.6 | 101.2 | 124.0 | 157.7 | 130.8 | 864.5 |
| 1989-1990 | 83.2 | 52.0 | 33.7 | 26.5 | 20.7 | 24.6 | 41.8 | 61.5 | 94.3 | 123.3 | 142.2 | 133.7 | 837.5 |
| 1990-1991 | 83.5 | 58.3 | 34.4 | 25.4 | 22.6 | 24.6 | 44.2 | 62.6 | 87.2 | 133.0 | 139.1 | 122.1 | 836.9 |
| 1991-1992 | 85.5 | 60.7 | 32.1 | 20.6 | 19.3 | 17.2 | 26.0 | 47.4 | 85.1 | 108.2 | 126.2 | 146.2 | 774.5 |
| 1992-1993 | 87.9 | 59.5 | 30.6 | 18.6 | 20.2 | 20.6 | 36.4 | 57.1 | 75.2 | 129.3 | 144.1 | 148.4 | 828.0 |
| 1993-1994 | 94.0 | 73.6 | 29.4 | 23.8 | 23.6 | 25.0 | 38.5 | 64.8 | 95.3 | 123.3 | 146.0 | 138.5 | 876.0 |
| 1994-1995 | 95.3 | 63.6 | 28.3 | 19.6 | 21.5 | 25.3 | 38.8 | 53.0 | 99.7 | 132.0 | 147.9 | 126.6 | 851.4 |
| 1995-1996 | 82.1 | 53.0 | 25.5 | 20.3 | 19.6 | 25.2 | 37.8 | 53.6 | 106.5 | 136.3 | 159.9 | 134.9 | 854.6 |
| 1996-1997 | 85.1 | 51.1 | 34.4 | 24.9 | 23.3 | 22.8 | 31.8 | 45.7 | 100.8 | 137.9 | 159.8 | 115.1 | 832.7 |
| 1997-1998 | 82.4 | 55.0 | 34.7 | 22.9 | 20.2 | 24.6 | 37.6 | 66.6 | 96.9 | 142.7 | 174.6 | 154.5 | 912.7 |
| 1998-1999 | 91.2 | 60.7 | 35.5 | 24.0 | 25.3 | 25.0 | 43.8 | 61.4 | 110.0 | 136.3 | 176.6 | 141.4 | 931.0 |
| 1999-2000 | 94.3 | 61.8 | 34.8 | 26.6 | 20.8 | 24.8 | 37.2 | 60.6 | 94.3 | 129.9 | 166.0 | 142.6 | 893.8 |
| 2000-2001 | 98.5 | 59.2 | 37.8 | 25.1 | 24.3 | 27.5 | 51.6 | 65.5 | 104.8 | 139.1 | 167.2 | 143.2 | 943.6 |
| 2001-2002 | 93.7 | 59.8 | 33.0 | 23.4 | 20.8 | 29.2 | 45.5 | 57.5 | 91.2 | 134.4 | 165.1 | 135.9 | 889.6 |
| 2002-2003 | 88.4 | 59.3 | 36.1 | 22.6 | 26.0 | 23.5 | 36.5 | 62.4 | 125.5 | 146.6 | 182.4 | 159.3 | 968.6 |
| 2003-2004 | 95.7 | 67.4 | 36.7 | 24.5 | 23.2 | 26.6 | 48.7 | 66.9 | 100.2 | 146.1 | 182.9 | 141.1 | 959.9 |
| 2004-2005 | 102.3 | 69.2 | 35.2 | 22.5 | 23.0 | 24.7 | 43.1 | 63.1 | 94.6 | 125.2 | 164.3 | 137.4 | 904.5 |
| 2005-2006 | 93.6 | 54.0 | 29.8 | 23.5 | 21.4 | 25.2 | 40.5 | 62.1 | 98.3 | 139.0 | 157.2 | 145.9 | 890.4 |
| 2006-2007 | 92.9 | 55.6 | 29.6 | 21.9 | 21.6 | 25.6 | 40.8 | 57.1 | 99.8 | 139.9 | 172.4 | 136.2 | 893.5 |
| 2007-2008 | 91.0 | 62.3 | 33.8 | 23.2 | 20.6 | 23.4 | 53.7 | 70.6 | 97.2 | 138.3 | 165.9 | 148.0 | 928.0 |
| 2008-2009 | 88.4 | 57.0 | 35.9 | 24.3 | 24.1 | 26.6 | 40.0 | 62.3 | 96.2 | 149.4 | 163.9 | 138.5 | 906.5 |
| 2009-2010 | 86.3 | 65.5 | 32.8 | 32.0 | 30.9 | 31.9 | 46.1 | 65.2 | 101.0 | 124.0 | 152.0 | 157.4 | 924.9 |
| 2010-2011 | 96.8 | 60.4 | 40.4 | 28.1 | 23.4 | 26.4 | 41.3 | 57.3 | 89.0 | 129.2 | 163.6 | 143.0 | 898.7 |
| 2011-2012 | 96.3 | 54.6 | 29.0 | 23.0 | 21.3 | 23.9 | 37.9 | 64.9 | 90.1 | 141.7 | 175.6 | 147.8 | 906.2 |
| 2012-2013 | 95.0 | 60.8 | 35.4 | 24.8 | 23.0 | 28.6 | 44.0 | 66.1 | 109.0 | 133.1 | 154.5 | 149.0 | 923.2 |
| 2013-2014 | 89.0 | 55.1 | 37.2 | 22.3 | 26.0 | 28.0 | 44.8 | 63.6 | 92.8 | 132.8 | 151.2 | 138.9 | 881.8 |
| 2014-2015 | 86.2 | 54.9 | 32.1 | 26.7 | 22.2 | 25.4 | 43.5 | 56.6 | 98.9 | 116.5 | 156.5 | 143.4 | 862.9 |
| AVERAGE | 90.2 | 59.1 | 33.0 | 23.9 | 22.5 | 25.2 | 40.4 | 60.6 | 96.5 | 132.1 | 158.6 | 138.6 | |

**Table A. 12** Alevkaya station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 103.3 | 77.9 | 30.4 | 22.0 | 15.0 | 22.9 | 28.0 | 47.1 | 76.0 | 117.3 | 135.1 | 126.0 | 800.9 |
| 1979-1980 | 106.2 | 72.0 | 44.9 | 18.1 | 11.7 | 11.4 | 20.9 | 38.8 | 72.4 | 125.3 | 142.4 | 134.8 | 798.9 |
| 1980-1981 | 102.9 | 78.4 | 43.4 | 21.1 | 15.5 | 19.3 | 25.7 | 49.8 | 64.7 | 130.5 | 139.1 | 126.1 | 816.5 |
| 1981-1982 | 116.2 | 94.3 | 30.4 | 30.2 | 15.7 | 9.7 | 16.4 | 39.8 | 70.2 | 132.3 | 139.5 | 143.9 | 838.6 |
| 1982-1983 | 124.5 | 77.9 | 29.2 | 17.2 | 9.4 | 13.0 | 25.1 | 48.8 | 87.2 | 118.4 | 156.1 | 144.2 | 851.1 |
| 1983-1984 | 108.1 | 64.8 | 40.2 | 20.8 | 16.5 | 19.6 | 27.9 | 38.6 | 87.7 | 123.1 | 147.3 | 112.8 | 807.4 |
| 1984-1985 | 90.4 | 88.4 | 26.6 | 16.1 | 18.3 | 11.2 | 22.7 | 50.4 | 93.6 | 125.8 | 146.1 | 138.5 | 828.2 |
| 1985-1986 | 111.2 | 62.0 | 41.3 | 18.5 | 14.2 | 19.0 | 29.6 | 61.5 | 68.7 | 125.8 | 147.6 | 134.0 | 833.3 |
| 1986-1987 | 129.2 | 74.0 | 26.5 | 17.4 | 15.0 | 21.9 | 14.5 | 44.4 | 85.4 | 125.1 | 161.2 | 141.0 | 855.8 |
| 1987-1988 | 108.1 | 59.2 | 33.9 | 18.0 | 13.8 | 14.2 | 20.6 | 51.0 | 86.0 | 125.9 | 164.0 | 140.2 | 834.8 |
| 1988-1989 | 117.0 | 63.8 | 21.2 | 15.0 | 7.2 | 12.7 | 28.4 | 77.8 | 91.6 | 122.8 | 155.4 | 136.6 | 849.4 |
| 1989-1990 | 105.6 | 63.8 | 39.2 | 26.2 | 10.9 | 15.5 | 31.0 | 53.2 | 83.4 | 122.6 | 139.8 | 140.7 | 831.8 |
| 1990-1991 | 103.8 | 75.4 | 40.0 | 23.1 | 14.9 | 15.1 | 34.7 | 53.8 | 72.7 | 131.8 | 133.6 | 124.9 | 823.9 |
| 1991-1992 | 140.0 | 105.2 | 45.0 | 16.0 | 10.2 | 1.8 | 4.8 | 37.6 | 89.9 | 130.9 | 153.8 | 195.1 | 930.2 |
| 1992-1993 | 125.2 | 87.8 | 35.2 | 9.3 | 11.0 | 7.6 | 23.1 | 50.4 | 63.4 | 143.1 | 155.8 | 172.1 | 883.9 |
| 1993-1994 | 111.2 | 96.2 | 26.6 | 18.2 | 15.7 | 14.7 | 22.5 | 53.1 | 77.0 | 111.2 | 130.6 | 132.6 | 809.5 |
| 1994-1995 | 126.0 | 88.3 | 26.8 | 10.5 | 12.7 | 17.1 | 25.6 | 39.3 | 90.9 | 134.2 | 146.9 | 133.5 | 851.6 |
| 1995-1996 | 109.2 | 69.5 | 21.3 | 12.8 | 9.0 | 17.8 | 24.6 | 42.1 | 103.5 | 145.6 | 166.6 | 149.2 | 871.3 |
| 1996-1997 | 115.3 | 65.9 | 43.3 | 23.9 | 17.5 | 12.1 | 13.4 | 28.5 | 96.9 | 148.5 | 167.7 | 125.9 | 858.9 |
| 1997-1998 | 92.5 | 62.1 | 36.8 | 16.0 | 8.9 | 13.6 | 20.6 | 54.7 | 77.5 | 130.0 | 154.6 | 145.4 | 812.7 |
| 1998-1999 | 96.1 | 65.9 | 35.2 | 16.7 | 17.3 | 13.1 | 28.3 | 43.3 | 84.3 | 112.8 | 143.2 | 122.0 | 778.3 |
| 1999-2000 | 109.3 | 74.2 | 36.9 | 23.4 | 9.9 | 14.0 | 19.8 | 46.0 | 74.4 | 116.1 | 146.5 | 133.8 | 804.2 |
| 2000-2001 | 99.3 | 59.8 | 37.2 | 17.7 | 14.6 | 16.9 | 37.7 | 46.1 | 74.9 | 109.1 | 128.2 | 116.8 | 758.2 |
| 2001-2002 | 108.8 | 70.8 | 33.5 | 17.1 | 10.0 | 23.3 | 33.7 | 41.6 | 71.0 | 121.3 | 146.2 | 127.7 | 805.0 |
| 2002-2003 | 89.0 | 61.4 | 35.0 | 13.6 | 17.8 | 10.1 | 16.6 | 43.1 | 95.6 | 118.3 | 142.7 | 132.5 | 775.6 |
| 2003-2004 | 94.6 | 71.1 | 34.7 | 16.5 | 12.5 | 15.0 | 33.2 | 47.1 | 69.6 | 113.7 | 138.1 | 113.5 | 759.6 |
| 2004-2005 | 115.1 | 83.1 | 36.2 | 14.5 | 13.6 | 13.2 | 28.4 | 47.5 | 71.6 | 106.3 | 139.0 | 123.5 | 792.1 |
| 2005-2006 | 112.5 | 62.5 | 27.7 | 17.9 | 11.4 | 15.3 | 26.2 | 49.9 | 81.7 | 130.4 | 143.6 | 141.9 | 820.9 |
| 2006-2007 | 112.1 | 65.9 | 27.5 | 14.6 | 11.9 | 16.4 | 26.9 | 42.6 | 84.0 | 132.1 | 158.7 | 133.1 | 825.9 |
| 2007-2008 | 96.9 | 69.3 | 32.5 | 15.3 | 8.8 | 10.4 | 43.5 | 55.9 | 72.2 | 116.0 | 136.0 | 129.0 | 785.7 |
| 2008-2009 | 97.7 | 63.4 | 37.9 | 18.3 | 15.8 | 17.1 | 23.7 | 47.0 | 74.2 | 132.1 | 140.3 | 126.0 | 793.7 |
| 2009-2010 | 83.3 | 68.4 | 28.1 | 29.6 | 25.5 | 24.6 | 29.5 | 45.1 | 70.5 | 94.0 | 114.7 | 126.8 | 740.2 |
| 2010-2011 | 107.0 | 67.8 | 45.6 | 25.3 | 14.2 | 16.3 | 25.2 | 39.2 | 64.9 | 109.6 | 137.3 | 127.6 | 779.9 |
| 2011-2012 | 115.1 | 62.9 | 25.8 | 16.6 | 11.3 | 12.5 | 21.6 | 53.6 | 71.2 | 131.8 | 158.9 | 142.3 | 823.7 |
| 2012-2013 | 100.3 | 65.7 | 34.7 | 18.2 | 12.9 | 19.9 | 28.4 | 49.2 | 82.9 | 109.1 | 124.3 | 127.8 | 773.5 |
| 2013-2014 | 101.1 | 61.7 | 41.4 | 14.6 | 19.9 | 20.5 | 32.2 | 50.0 | 72.1 | 118.4 | 132.0 | 129.4 | 793.3 |
| 2014-2015 | 104.3 | 66.1 | 33.5 | 25.2 | 13.4 | 16.2 | 32.2 | 42.7 | 84.6 | 107.9 | 146.8 | 143.3 | 816.2 |
| AVERAGE | 107.8 | 72.1 | 34.2 | 18.5 | 13.6 | 15.3 | 25.6 | 47.3 | 79.4 | 122.9 | 144.9 | 135.0 | |

**Table A. 13** Alevkaya station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 168.7 | 163.8 | 128.4 | 125.1 | 114.7 | 110.2 | 124.6 | 134.1 | 156.4 | 169.2 | 185.8 | 186 | 1766.9 |
| 1979-1980 | 172.3 | 161.9 | 143.8 | 120.7 | 110.2 | 97.37 | 118 | 128.6 | 155.7 | 175.2 | 191.8 | 193.1 | 1768.7 |
| 1980-1981 | 165.3 | 161.1 | 138.7 | 122.4 | 114.1 | 105.1 | 120.7 | 134 | 146.5 | 171.9 | 183.9 | 182.3 | 1745.9 |
| 1981-1982 | 169 | 167.6 | 125.1 | 131.6 | 113.4 | 92.81 | 109.6 | 125 | 147.9 | 169.8 | 181 | 187.7 | 1720.7 |
| 1982-1983 | 172 | 157.7 | 123.5 | 115.7 | 103.5 | 96.9 | 118.5 | 131.1 | 157.4 | 163 | 187.4 | 187 | 1713.7 |
| 1983-1984 | 170 | 154.2 | 137.3 | 122.9 | 116.5 | 106.3 | 123.9 | 126.6 | 162.6 | 170.7 | 190.2 | 177.6 | 1758.7 |
| 1984-1985 | 158.7 | 166.9 | 122.6 | 115.5 | 118 | 95.58 | 117.6 | 134.4 | 164 | 169.8 | 187.1 | 188.4 | 1738.7 |
| 1985-1986 | 166.8 | 148.7 | 135.1 | 117.7 | 111.3 | 103.9 | 123.1 | 140.1 | 147.1 | 167.2 | 184.8 | 183.2 | 1728.9 |
| 1986-1987 | 173 | 154.5 | 120.3 | 115.5 | 111.7 | 106 | 106.8 | 127.3 | 155.4 | 164.9 | 188.2 | 184.3 | 1707.8 |
| 1987-1988 | 166.9 | 148 | 129.5 | 117.7 | 111.2 | 99.1 | 114.9 | 134.2 | 158.8 | 168.9 | 193.9 | 188.1 | 1731.3 |
| 1988-1989 | 169.8 | 150 | 115.7 | 113.1 | 99.96 | 96.88 | 122.2 | 150.4 | 160.9 | 166.1 | 188.5 | 184.8 | 1718.3 |
| 1989-1990 | 164 | 149.8 | 133.3 | 127.2 | 106.2 | 100 | 124.4 | 134.6 | 155.9 | 165.8 | 181.2 | 186.4 | 1728.8 |
| 1990-1991 | 164.2 | 157.9 | 134.7 | 124.1 | 112.7 | 100 | 128.3 | 135.8 | 150.4 | 170.9 | 179.7 | 180 | 1738.7 |
| 1991-1992 | 165.9 | 160.8 | 129.9 | 109.5 | 101.4 | 77.34 | 91 | 116.9 | 148.7 | 156.9 | 172.8 | 192.6 | 1623.7 |
| 1992-1993 | 167.8 | 159.3 | 126.7 | 102.5 | 104.7 | 88.72 | 114.7 | 129.5 | 140 | 169 | 182.2 | 193.7 | 1678.9 |
| 1993-1994 | 172.3 | 174.2 | 124.1 | 119.8 | 115.6 | 100.9 | 118.6 | 138.2 | 156.6 | 165.8 | 183.1 | 188.9 | 1758.1 |
| 1994-1995 | 173.2 | 164 | 121.3 | 105.9 | 108.9 | 101.7 | 119.2 | 124.5 | 159.8 | 170.4 | 184 | 182.5 | 1715.4 |
| 1995-1996 | 163.1 | 151.1 | 114.4 | 108.7 | 102.4 | 101.6 | 117.2 | 125.2 | 164.4 | 172.6 | 189.5 | 187 | 1697.1 |
| 1996-1997 | 165.5 | 148.6 | 134.8 | 122.9 | 114.5 | 95.17 | 105.1 | 114.4 | 160.6 | 173.3 | 189.4 | 175.8 | 1700.3 |
| 1997-1998 | 163.4 | 153.8 | 135.2 | 116.9 | 104.6 | 99.9 | 117 | 140 | 157.8 | 175.7 | 195.7 | 196.5 | 1756.6 |
| 1998-1999 | 170.3 | 160.7 | 136.8 | 120.3 | 120.6 | 100.9 | 127.7 | 134.5 | 166.7 | 172.5 | 196.4 | 190.3 | 1797.6 |
| 1999-2000 | 172.5 | 162 | 135.4 | 127.4 | 106.6 | 100.4 | 116.1 | 133.6 | 155.9 | 169.3 | 192.1 | 190.9 | 1762.4 |
| 2000-2001 | 175.5 | 159 | 141.1 | 123.3 | 117.6 | 106.9 | 139.1 | 138.9 | 163.3 | 173.9 | 192.6 | 191.2 | 1822.3 |
| 2001-2002 | 172.1 | 159.7 | 131.9 | 118.5 | 106.6 | 110.9 | 130.3 | 130 | 153.6 | 171.6 | 191.8 | 187.5 | 1764.6 |
| 2002-2003 | 168.1 | 159.1 | 137.9 | 115.9 | 122.3 | 96.99 | 114.8 | 135.6 | 175.9 | 177.5 | 198.8 | 198.6 | 1801.7 |
| 2003-2004 | 173.6 | 168.1 | 138.9 | 121.7 | 114.3 | 104.8 | 135.2 | 140.3 | 160.1 | 177.2 | 198.9 | 190.1 | 1823.3 |
| 2004-2005 | 178.1 | 170 | 136.2 | 115.7 | 113.7 | 100.1 | 126.6 | 136.4 | 156.1 | 166.7 | 191.4 | 188.2 | 1779.2 |
| 2005-2006 | 172 | 152.6 | 124.8 | 118.9 | 108.5 | 101.3 | 122.1 | 135.3 | 158.8 | 173.9 | 188.3 | 192.5 | 1749.1 |
| 2006-2007 | 171.5 | 154.6 | 124.4 | 113.9 | 109.3 | 102.6 | 122.7 | 129.6 | 159.9 | 174.3 | 194.8 | 187.7 | 1745.2 |
| 2007-2008 | 170.1 | 162.6 | 133.5 | 117.8 | 105.8 | 96.83 | 141.9 | 144 | 158 | 173.5 | 192.1 | 193.5 | 1789.8 |
| 2008-2009 | 168.1 | 156.3 | 137.5 | 121.2 | 117 | 104.8 | 121.3 | 135.5 | 157.3 | 178.8 | 191.2 | 188.9 | 1777.8 |
| 2009-2010 | 166.5 | 166.1 | 131.4 | 140.5 | 134.4 | 116.4 | 131.2 | 138.6 | 160.7 | 166.1 | 185.9 | 197.8 | 1835.5 |
| 2010-2011 | 174.3 | 160.4 | 145.6 | 131.4 | 114.8 | 104.3 | 123.4 | 129.9 | 151.8 | 168.9 | 191.1 | 191.1 | 1787.0 |
| 2011-2012 | 173.9 | 153.3 | 123.1 | 117.4 | 108.5 | 98.01 | 117.5 | 138.3 | 152.7 | 175.2 | 196 | 193.4 | 1747.5 |
| 2012-2013 | 173 | 160.9 | 136.5 | 122.6 | 113.6 | 109.4 | 128 | 139.5 | 166 | 170.9 | 187.1 | 193.9 | 1801.6 |
| 2013-2014 | 168.6 | 154 | 140 | 115.1 | 122.2 | 108.1 | 129.2 | 136.9 | 154.7 | 170.8 | 185.5 | 189 | 1774.3 |
| 2014-2015 | 166.4 | 153.7 | 129.8 | 127.7 | 111.2 | 102 | 127.1 | 129 | 159.2 | 161.9 | 188 | 191.3 | 1747.4 |
| AVERAGE | 169.4 | 158.6 | 131.3 | 119.6 | 112.0 | 101.1 | 121.3 | 133.3 | 157.2 | 170.3 | 188.7 | 188.7 | |

**Table A. 14** Alevkaya station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 130 | 60.74 | 43.36 | 40.12 | 37.86 | 39.53 | 49.13 | 109.4 | 136.9 | 153.3 | 165.6 | 156 | 1122.1 |
| 1979-1980 | 132.8 | 60.03 | 48.57 | 38.72 | 36.37 | 34.93 | 46.53 | 105 | 136.3 | 158.8 | 171 | 162 | 1131.0 |
| 1980-1981 | 127.4 | 59.74 | 46.84 | 39.25 | 37.66 | 37.72 | 47.6 | 109.3 | 128.2 | 155.8 | 163.9 | 152.9 | 1106.3 |
| 1981-1982 | 130.3 | 62.16 | 42.25 | 42.21 | 37.42 | 33.29 | 43.24 | 102 | 129.5 | 153.9 | 161.4 | 157.5 | 1095.1 |
| 1982-1983 | 132.6 | 58.48 | 41.73 | 37.09 | 34.15 | 34.76 | 46.76 | 107 | 137.7 | 147.8 | 167.1 | 156.9 | 1102.0 |
| 1983-1984 | 131 | 57.19 | 46.37 | 39.42 | 38.44 | 38.13 | 48.84 | 103.3 | 142.3 | 154.7 | 169.5 | 149 | 1118.3 |
| 1984-1985 | 122.3 | 61.9 | 41.43 | 37.04 | 38.97 | 34.28 | 46.38 | 109.6 | 143.6 | 153.9 | 166.8 | 158 | 1114.2 |
| 1985-1986 | 128.6 | 55.13 | 45.64 | 37.74 | 36.73 | 37.26 | 48.56 | 114.3 | 128.7 | 151.5 | 164.7 | 153.7 | 1102.7 |
| 1986-1987 | 133.3 | 57.3 | 40.62 | 37.03 | 36.88 | 38.02 | 42.1 | 103.9 | 136 | 149.5 | 167.8 | 154.6 | 1097.0 |
| 1987-1988 | 128.6 | 54.89 | 43.72 | 37.76 | 36.73 | 35.55 | 45.33 | 109.5 | 139 | 153.1 | 172.8 | 157.8 | 1114.9 |
| 1988-1989 | 130.9 | 55.64 | 39.06 | 36.26 | 32.99 | 34.74 | 48.18 | 122.7 | 140.8 | 150.6 | 168.1 | 155 | 1115.0 |
| 1989-1990 | 126.4 | 55.55 | 45.03 | 40.8 | 35.06 | 35.87 | 49.06 | 109.8 | 136.4 | 150.2 | 161.6 | 156.3 | 1102.2 |
| 1990-1991 | 126.6 | 58.56 | 45.48 | 39.81 | 37.19 | 35.87 | 50.59 | 110.8 | 131.6 | 154.9 | 160.2 | 151 | 1102.6 |
| 1991-1992 | 127.9 | 59.61 | 43.86 | 35.1 | 33.48 | 27.73 | 35.88 | 95.4 | 130.1 | 142.2 | 154.1 | 161.6 | 1046.9 |
| 1992-1993 | 129.3 | 59.08 | 42.78 | 32.87 | 34.57 | 31.82 | 45.25 | 105.7 | 122.6 | 153.2 | 162.4 | 162.5 | 1082.0 |
| 1993-1994 | 132.8 | 64.61 | 41.91 | 38.43 | 38.15 | 36.2 | 46.78 | 112.7 | 137.1 | 150.2 | 163.2 | 158.4 | 1120.6 |
| 1994-1995 | 133.5 | 60.84 | 40.97 | 33.96 | 35.95 | 36.47 | 47 | 101.6 | 139.9 | 154.4 | 164 | 153.1 | 1101.7 |
| 1995-1996 | 125.7 | 56.06 | 38.62 | 34.85 | 33.79 | 36.44 | 46.23 | 102.2 | 143.9 | 156.4 | 168.9 | 156.9 | 1100.0 |
| 1996-1997 | 127.6 | 55.12 | 45.51 | 39.42 | 37.82 | 34.14 | 41.45 | 93.37 | 140.6 | 157.1 | 168.9 | 147.5 | 1088.5 |
| 1997-1998 | 126 | 57.02 | 45.67 | 37.51 | 34.54 | 35.83 | 46.14 | 114.2 | 138.1 | 159.3 | 174.4 | 164.9 | 1133.6 |
| 1998-1999 | 131.2 | 59.59 | 46.2 | 38.57 | 39.79 | 36.17 | 50.37 | 109.7 | 145.9 | 156.4 | 175.1 | 159.6 | 1148.7 |
| 1999-2000 | 133 | 60.09 | 45.73 | 40.86 | 35.17 | 36.03 | 45.8 | 109.1 | 136.5 | 153.4 | 171.3 | 160.1 | 1127.1 |
| 2000-2001 | 135.3 | 58.96 | 47.65 | 39.55 | 38.81 | 38.36 | 54.87 | 113.4 | 142.9 | 157.6 | 171.7 | 160.4 | 1159.5 |
| 2001-2002 | 132.6 | 59.22 | 44.56 | 38.02 | 35.2 | 39.78 | 51.4 | 106.1 | 134.4 | 155.5 | 170.9 | 157.3 | 1125.1 |
| 2002-2003 | 129.6 | 59.01 | 46.58 | 37.18 | 40.38 | 34.79 | 45.28 | 110.6 | 154 | 160.9 | 177.2 | 166.6 | 1162.2 |
| 2003-2004 | 133.8 | 62.34 | 46.94 | 39.03 | 37.75 | 37.6 | 53.3 | 114.5 | 140.2 | 160.7 | 177.3 | 159.5 | 1162.9 |
| 2004-2005 | 137.3 | 63.03 | 46.01 | 37.09 | 37.55 | 35.92 | 49.92 | 111.3 | 136.6 | 151.2 | 170.6 | 157.9 | 1134.3 |
| 2005-2006 | 132.6 | 56.57 | 42.15 | 38.13 | 35.83 | 36.35 | 48.15 | 110.4 | 139 | 157.6 | 167.9 | 161.5 | 1126.1 |
| 2006-2007 | 132.2 | 57.33 | 42.03 | 36.53 | 36.08 | 36.79 | 48.37 | 105.7 | 139.9 | 158 | 173.6 | 157.4 | 1124.1 |
| 2007-2008 | 131.1 | 60.29 | 45.1 | 37.79 | 34.94 | 34.73 | 55.97 | 117.5 | 138.3 | 157.3 | 171.2 | 162.3 | 1146.6 |
| 2008-2009 | 129.6 | 57.96 | 46.44 | 38.87 | 38.61 | 37.61 | 47.82 | 110.6 | 137.7 | 162 | 170.5 | 158.4 | 1136.1 |
| 2009-2010 | 128.3 | 61.58 | 44.37 | 45.06 | 44.36 | 41.76 | 51.74 | 113.1 | 140.7 | 150.6 | 165.7 | 165.9 | 1153.2 |
| 2010-2011 | 134.4 | 59.46 | 49.17 | 42.13 | 37.91 | 37.41 | 48.68 | 106 | 132.9 | 153.1 | 170.3 | 160.3 | 1131.7 |
| 2011-2012 | 134.1 | 56.86 | 41.58 | 37.65 | 35.82 | 35.15 | 46.35 | 112.9 | 133.7 | 158.8 | 174.8 | 162.2 | 1129.8 |
| 2012-2013 | 133.4 | 59.66 | 46.11 | 39.34 | 37.52 | 39.26 | 50.49 | 113.8 | 145.4 | 154.9 | 166.8 | 162.7 | 1149.3 |
| 2013-2014 | 130 | 57.1 | 47.28 | 36.92 | 40.35 | 38.8 | 50.97 | 111.7 | 135.4 | 154.8 | 165.4 | 158.6 | 1127.4 |
| 2014-2015 | 128.3 | 57.01 | 43.86 | 40.96 | 36.71 | 36.57 | 50.14 | 105.2 | 139.4 | 146.7 | 167.6 | 160.5 | 1112.9 |
| AVERAGE | 130.6 | 58.8 | 44.4 | 38.4 | 37.0 | 36.3 | 47.9 | 108.7 | 137.6 | 154.3 | 168.2 | 158.3 | |

**Table A. 15** Alevkaya station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 108.3 | 85.53 | 47.7 | 36.6 | 34.42 | 43.4 | 70.59 | 90.85 | 120.4 | 137.7 | 146.2 | 135.2 | 1056.8 |
| 1979-1980 | 110.3 | 84.46 | 56.37 | 34.14 | 31.89 | 36.18 | 66.89 | 87.78 | 120 | 141 | 149.6 | 139.2 | 1057.8 |
| 1980-1981 | 106.4 | 84 | 53.49 | 35.08 | 34.09 | 40.55 | 68.42 | 90.78 | 114.8 | 139.2 | 145.1 | 133.1 | 1045.0 |
| 1981-1982 | 108.5 | 87.69 | 45.87 | 40.28 | 33.68 | 33.61 | 62.18 | 85.72 | 115.6 | 138 | 143.5 | 136.2 | 1030.8 |
| 1982-1983 | 110.2 | 82.09 | 44.98 | 31.28 | 28.13 | 35.91 | 67.2 | 89.17 | 120.9 | 134.2 | 147.1 | 135.8 | 1026.9 |
| 1983-1984 | 109 | 80.15 | 52.71 | 35.36 | 35.43 | 41.2 | 70.18 | 86.67 | 123.9 | 138.5 | 148.6 | 130.5 | 1052.2 |
| 1984-1985 | 102.7 | 87.31 | 44.48 | 31.2 | 36.31 | 35.17 | 66.67 | 91.01 | 124.7 | 138 | 146.9 | 136.6 | 1040.9 |
| 1985-1986 | 107.2 | 77.03 | 51.51 | 32.43 | 32.5 | 39.83 | 69.77 | 94.26 | 115.2 | 136.5 | 145.6 | 133.7 | 1035.5 |
| 1986-1987 | 110.7 | 80.3 | 43.13 | 31.18 | 32.77 | 41.03 | 60.58 | 87.05 | 119.8 | 135.2 | 147.5 | 134.2 | 1023.6 |
| 1987-1988 | 107.3 | 76.67 | 48.31 | 32.46 | 32.5 | 37.15 | 65.17 | 90.91 | 121.8 | 137.5 | 150.7 | 136.4 | 1036.8 |
| 1988-1989 | 108.9 | 77.79 | 40.54 | 29.85 | 26.14 | 35.9 | 69.24 | 100 | 122.9 | 135.9 | 147.7 | 134.5 | 1029.5 |
| 1989-1990 | 105.7 | 77.66 | 50.47 | 37.79 | 29.65 | 37.67 | 70.49 | 91.15 | 120.1 | 135.7 | 143.6 | 135.4 | 1035.4 |
| 1990-1991 | 105.8 | 82.24 | 51.25 | 36.05 | 33.29 | 37.66 | 72.66 | 91.83 | 117 | 138.6 | 142.7 | 131.8 | 1041.0 |
| 1991-1992 | 106.7 | 83.82 | 48.54 | 27.81 | 26.97 | 24.91 | 51.7 | 81.2 | 116.1 | 130.7 | 138.9 | 138.9 | 976.3 |
| 1992-1993 | 107.8 | 83 | 46.74 | 23.89 | 28.84 | 31.31 | 65.06 | 88.28 | 111.2 | 137.6 | 144.1 | 139.5 | 1007.3 |
| 1993-1994 | 110.3 | 91.42 | 45.3 | 33.64 | 34.92 | 38.17 | 67.23 | 93.15 | 120.5 | 135.7 | 144.7 | 136.8 | 1051.9 |
| 1994-1995 | 110.8 | 85.67 | 43.73 | 25.8 | 31.17 | 38.6 | 67.54 | 85.45 | 122.3 | 138.3 | 145.2 | 133.2 | 1027.8 |
| 1995-1996 | 105.1 | 78.42 | 39.81 | 27.37 | 27.5 | 38.56 | 66.44 | 85.87 | 124.9 | 139.6 | 148.2 | 135.8 | 1017.6 |
| 1996-1997 | 106.5 | 77 | 51.29 | 35.36 | 34.35 | 34.94 | 59.63 | 79.8 | 122.8 | 140 | 148.2 | 129.5 | 1019.3 |
| 1997-1998 | 105.3 | 79.89 | 51.55 | 32.01 | 28.77 | 37.6 | 66.33 | 94.19 | 121.2 | 141.3 | 151.7 | 141.1 | 1051.0 |
| 1998-1999 | 109.2 | 83.79 | 52.43 | 33.88 | 37.74 | 38.14 | 72.35 | 91.08 | 126.2 | 139.5 | 152.2 | 137.6 | 1074.1 |
| 1999-2000 | 110.5 | 84.55 | 51.64 | 37.89 | 29.86 | 37.91 | 65.85 | 90.6 | 120.1 | 137.7 | 149.7 | 138 | 1054.3 |
| 2000-2001 | 112.1 | 82.84 | 54.84 | 35.6 | 36.06 | 41.56 | 78.76 | 93.57 | 124.3 | 140.3 | 150 | 138.1 | 1088.0 |
| 2001-2002 | 110.2 | 83.24 | 49.71 | 32.91 | 29.91 | 43.8 | 73.81 | 88.58 | 118.8 | 139 | 149.5 | 136.1 | 1055.5 |
| 2002-2003 | 108 | 82.91 | 53.07 | 31.45 | 38.73 | 35.97 | 65.09 | 91.71 | 131.4 | 142.3 | 153.5 | 142.3 | 1076.4 |
| 2003-2004 | 111 | 87.95 | 53.65 | 34.68 | 34.23 | 40.37 | 76.54 | 94.35 | 122.5 | 142.2 | 153.5 | 137.5 | 1088.6 |
| 2004-2005 | 113.5 | 89.02 | 52.11 | 31.28 | 33.89 | 37.74 | 71.71 | 92.13 | 120.2 | 136.3 | 149.3 | 136.5 | 1063.7 |
| 2005-2006 | 110.2 | 79.23 | 45.69 | 33.13 | 30.98 | 38.41 | 69.2 | 91.54 | 121.8 | 140.3 | 147.6 | 138.9 | 1046.8 |
| 2006-2007 | 109.9 | 80.37 | 45.48 | 30.31 | 31.39 | 39.1 | 69.51 | 88.32 | 122.3 | 140.5 | 151.2 | 136.2 | 1044.6 |
| 2007-2008 | 109.1 | 84.86 | 50.61 | 32.51 | 29.45 | 35.87 | 80.34 | 96.43 | 121.3 | 140.1 | 149.7 | 139.4 | 1069.7 |
| 2008-2009 | 108 | 81.32 | 52.83 | 34.42 | 35.71 | 40.38 | 68.74 | 91.65 | 120.9 | 143 | 149.2 | 136.8 | 1063.0 |
| 2009-2010 | 107 | 86.81 | 49.38 | 45.26 | 45.51 | 46.9 | 74.31 | 93.38 | 122.8 | 135.9 | 146.2 | 141.9 | 1095.5 |
| 2010-2011 | 111.4 | 83.6 | 57.38 | 40.12 | 34.52 | 40.08 | 69.95 | 88.48 | 117.8 | 137.5 | 149.2 | 138.1 | 1068.1 |
| 2011-2012 | 111.2 | 79.65 | 44.74 | 32.26 | 30.96 | 36.53 | 66.61 | 93.24 | 118.3 | 141 | 151.9 | 139.4 | 1045.9 |
| 2012-2013 | 110.7 | 83.89 | 52.28 | 35.22 | 33.84 | 42.96 | 72.51 | 93.91 | 125.8 | 138.6 | 146.9 | 139.7 | 1076.4 |
| 2013-2014 | 108.2 | 80.03 | 54.22 | 30.98 | 38.67 | 42.24 | 73.2 | 92.45 | 119.5 | 138.6 | 146 | 136.9 | 1061.0 |
| 2014-2015 | 107 | 79.88 | 48.53 | 38.07 | 32.49 | 38.75 | 72.02 | 87.97 | 122 | 133.6 | 147.4 | 138.2 | 1045.9 |
| AVERAGE | 108.7 | 82.6 | 49.4 | 33.5 | 32.9 | 38.3 | 68.8 | 90.4 | 120.9 | 138.3 | 147.8 | 136.7 | |

**Table A. 16** Beyarmudu station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 100.0 | 71.8 | 36.6 | 29.1 | 26.6 | 33.6 | 51.4 | 73.9 | 111.2 | 156.6 | 183.8 | 142.8 | 1017.3 |
| 1979-1980 | 111.2 | 72.4 | 44.8 | 28.3 | 26.0 | 31.2 | 50.0 | 73.1 | 117.7 | 160.6 | 181.3 | 163.9 | 1060.5 |
| 1980-1981 | 104.6 | 73.1 | 45.8 | 30.0 | 27.1 | 31.2 | 51.9 | 76.0 | 106.1 | 161.6 | 183.9 | 165.9 | 1057.3 |
| 1981-1982 | 116.4 | 83.6 | 37.7 | 30.9 | 28.9 | 28.2 | 44.2 | 72.7 | 115.6 | 150.6 | 168.0 | 158.7 | 1035.5 |
| 1982-1983 | 116.5 | 74.0 | 37.8 | 26.9 | 24.9 | 28.4 | 44.0 | 73.0 | 119.8 | 149.9 | 183.8 | 158.0 | 1036.9 |
| 1983-1984 | 108.2 | 70.8 | 44.3 | 30.5 | 29.1 | 33.9 | 50.4 | 67.9 | 134.0 | 152.7 | 184.5 | 159.6 | 1066.0 |
| 1984-1985 | 94.5 | 65.9 | 39.2 | 26.1 | 29.2 | 27.9 | 50.7 | 69.7 | 121.3 | 157.3 | 184.3 | 165.2 | 1031.3 |
| 1985-1986 | 111.3 | 65.9 | 45.6 | 32.0 | 30.8 | 36.7 | 57.4 | 90.3 | 110.6 | 161.2 | 178.0 | 159.9 | 1079.7 |
| 1986-1987 | 111.0 | 65.5 | 34.8 | 28.1 | 28.9 | 33.6 | 40.2 | 64.7 | 105.2 | 146.3 | 180.3 | 156.4 | 995.0 |
| 1987-1988 | 102.7 | 59.8 | 34.9 | 25.4 | 24.8 | 27.7 | 44.2 | 74.0 | 119.2 | 157.3 | 211.6 | 173.0 | 1054.6 |
| 1988-1989 | 113.7 | 67.2 | 34.6 | 27.3 | 23.7 | 29.1 | 51.5 | 93.2 | 125.1 | 152.2 | 191.3 | 157.9 | 1066.9 |
| 1989-1990 | 108.7 | 65.6 | 39.5 | 28.3 | 24.3 | 30.0 | 49.6 | 75.3 | 116.3 | 154.8 | 176.2 | 163.3 | 1031.9 |
| 1990-1991 | 105.3 | 71.3 | 42.8 | 29.7 | 25.8 | 28.7 | 50.9 | 72.3 | 110.9 | 146.8 | 177.2 | 151.2 | 1012.9 |
| 1991-1992 | 104.6 | 70.1 | 38.0 | 23.1 | 21.7 | 22.5 | 39.4 | 66.7 | 98.6 | 134.2 | 162.0 | 161.3 | 942.2 |
| 1992-1993 | 100.2 | 70.2 | 36.7 | 22.6 | 23.6 | 24.9 | 49.7 | 72.3 | 105.0 | 159.2 | 188.5 | 165.6 | 1018.7 |
| 1993-1994 | 111.3 | 87.9 | 39.1 | 31.2 | 32.3 | 33.5 | 53.3 | 73.0 | 112.0 | 162.3 | 184.6 | 171.2 | 1091.5 |
| 1994-1995 | 126.1 | 86.2 | 38.6 | 26.6 | 28.4 | 33.6 | 51.5 | 66.9 | 109.3 | 145.8 | 168.6 | 145.4 | 1026.8 |
| 1995-1996 | 103.5 | 63.8 | 32.4 | 26.5 | 26.3 | 31.0 | 44.4 | 63.2 | 111.5 | 148.9 | 172.2 | 150.2 | 973.8 |
| 1996-1997 | 96.2 | 59.4 | 41.4 | 31.8 | 29.3 | 27.8 | 44.1 | 61.2 | 104.8 | 141.0 | 168.6 | 132.9 | 938.7 |
| 1997-1998 | 93.3 | 63.0 | 40.2 | 28.8 | 26.9 | 32.0 | 44.8 | 71.9 | 104.1 | 143.8 | 169.8 | 156.5 | 975.2 |
| 1998-1999 | 105.1 | 70.6 | 45.8 | 29.6 | 30.9 | 36.9 | 59.8 | 77.9 | 136.0 | 141.5 | 199.7 | 169.5 | 1103.5 |
| 1999-2000 | 118.7 | 73.1 | 41.1 | 31.9 | 26.6 | 32.0 | 48.5 | 74.4 | 116.6 | 163.9 | 182.3 | 160.4 | 1069.5 |
| 2000-2001 | 109.9 | 68.8 | 42.5 | 28.9 | 29.4 | 34.1 | 60.6 | 79.0 | 120.6 | 157.4 | 177.4 | 157.8 | 1066.4 |
| 2001-2002 | 107.2 | 74.1 | 40.5 | 29.6 | 26.2 | 35.6 | 55.8 | 73.5 | 115.3 | 165.1 | 194.2 | 161.1 | 1078.2 |
| 2002-2003 | 105.9 | 73.3 | 44.6 | 27.0 | 31.8 | 27.1 | 42.5 | 68.3 | 136.9 | 163.9 | 200.1 | 177.9 | 1099.3 |
| 2003-2004 | 113.5 | 76.9 | 43.7 | 30.7 | 27.7 | 31.2 | 53.3 | 73.4 | 107.7 | 147.1 | 180.6 | 159.1 | 1045.0 |
| 2004-2005 | 110.2 | 80.4 | 41.2 | 28.7 | 31.6 | 32.4 | 49.5 | 74.2 | 114.0 | 148.6 | 178.2 | 155.3 | 1044.3 |
| 2005-2006 | 111.0 | 65.1 | 36.2 | 29.0 | 25.8 | 31.3 | 51.0 | 78.3 | 120.9 | 163.3 | 191.4 | 174.2 | 1077.4 |
| 2006-2007 | 120.9 | 73.0 | 38.0 | 28.4 | 27.0 | 31.3 | 48.8 | 69.7 | 119.9 | 166.6 | 196.9 | 165.8 | 1086.2 |
| 2007-2008 | 112.8 | 76.5 | 42.4 | 28.0 | 24.5 | 27.5 | 58.5 | 82.4 | 117.1 | 168.0 | 193.4 | 170.5 | 1101.8 |
| 2008-2009 | 111.3 | 72.6 | 44.2 | 28.9 | 28.7 | 31.7 | 47.2 | 74.5 | 118.5 | 175.7 | 196.1 | 171.7 | 1101.0 |
| 2009-2010 | 107.9 | 80.3 | 40.8 | 31.6 | 30.1 | 33.4 | 54.3 | 79.9 | 119.0 | 156.8 | 180.6 | 183.8 | 1098.4 |
| 2010-2011 | 121.2 | 78.3 | 47.8 | 33.7 | 28.6 | 31.6 | 50.4 | 71.5 | 112.7 | 156.0 | 185.8 | 171.5 | 1089.1 |
| 2011-2012 | 116.2 | 68.8 | 35.4 | 28.0 | 26.4 | 28.7 | 46.1 | 76.8 | 115.4 | 164.4 | 206.5 | 180.8 | 1093.5 |
| 2012-2013 | 116.7 | 77.4 | 44.1 | 29.9 | 27.1 | 33.3 | 52.5 | 80.5 | 129.3 | 164.6 | 188.5 | 175.4 | 1119.3 |
| 2013-2014 | 112.5 | 65.7 | 46.2 | 27.1 | 31.3 | 33.9 | 55.6 | 79.4 | 113.8 | 162.6 | 183.9 | 165.4 | 1077.5 |
| 2014-2015 | 114.4 | 70.9 | 39.2 | 32.1 | 26.3 | 30.6 | 51.2 | 70.6 | 122.7 | 148.8 | 186.1 | 179.2 | 1072.0 |
| AVERAGE | 109.6 | 71.7 | 40.5 | 28.8 | 27.5 | 31.0 | 50.0 | 73.9 | 116.1 | 155.6 | 184.3 | 163.2 | |

**Table A. 17** Beyarmudu station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.2 | 90.7 | 37.1 | 24.3 | 16.6 | 27.1 | 36.6 | 68.6 | 91.5 | 149.9 | 197.6 | 150.7 | 1006.0 |
| 1979-1980 | 121.5 | 83.8 | 51.6 | 20.6 | 14.1 | 19.8 | 31.4 | 60.8 | 91.5 | 141.8 | 177.4 | 163.2 | 977.5 |
| 1980-1981 | 111.2 | 84.4 | 53.3 | 23.8 | 15.9 | 19.7 | 34.0 | 65.4 | 77.5 | 141.8 | 179.0 | 164.2 | 970.1 |
| 1981-1982 | 134.1 | 108.6 | 37.7 | 27.1 | 20.1 | 14.8 | 23.6 | 63.0 | 92.8 | 135.9 | 168.2 | 163.7 | 989.6 |
| 1982-1983 | 140.6 | 94.9 | 39.8 | 19.5 | 13.3 | 15.9 | 24.4 | 66.6 | 102.2 | 141.4 | 197.3 | 170.5 | 1026.5 |
| 1983-1984 | 113.5 | 78.3 | 48.6 | 24.3 | 19.1 | 24.4 | 31.0 | 49.7 | 106.8 | 128.8 | 175.3 | 153.1 | 953.1 |
| 1984-1985 | 107.2 | 79.5 | 43.5 | 18.2 | 21.9 | 15.1 | 35.6 | 60.8 | 105.0 | 152.0 | 199.8 | 181.4 | 1020.1 |
| 1985-1986 | 110.0 | 64.8 | 47.9 | 25.4 | 20.7 | 28.0 | 38.8 | 82.4 | 75.7 | 129.2 | 156.5 | 143.4 | 922.9 |
| 1986-1987 | 142.9 | 84.5 | 35.7 | 24.0 | 22.7 | 29.3 | 20.0 | 55.2 | 90.3 | 147.8 | 208.8 | 182.0 | 1043.2 |
| 1987-1988 | 123.2 | 68.5 | 34.3 | 16.9 | 13.5 | 15.0 | 25.6 | 71.1 | 104.7 | 155.4 | 240.5 | 195.7 | 1064.5 |
| 1988-1989 | 128.8 | 76.7 | 30.5 | 19.2 | 10.5 | 16.3 | 34.8 | 100.6 | 103.0 | 136.3 | 195.1 | 160.9 | 1012.7 |
| 1989-1990 | 128.1 | 77.7 | 43.7 | 22.5 | 12.2 | 19.1 | 33.4 | 70.9 | 97.5 | 146.9 | 186.5 | 176.6 | 1015.3 |
| 1990-1991 | 123.9 | 90.0 | 51.9 | 25.7 | 15.1 | 16.6 | 35.9 | 65.7 | 91.3 | 138.0 | 189.4 | 162.3 | 1005.8 |
| 1991-1992 | 158.3 | 114.2 | 52.8 | 15.6 | 9.9 | 7.5 | 22.5 | 72.4 | 96.4 | 156.5 | 219.2 | 226.4 | 1151.7 |
| 1992-1993 | 125.7 | 95.6 | 40.7 | 12.0 | 11.9 | 10.4 | 36.7 | 71.9 | 90.7 | 166.4 | 222.2 | 196.5 | 1080.7 |
| 1993-1994 | 110.5 | 100.9 | 35.4 | 24.0 | 23.4 | 22.0 | 33.1 | 54.5 | 77.5 | 130.8 | 164.3 | 155.9 | 932.3 |
| 1994-1995 | 147.8 | 113.3 | 39.7 | 18.0 | 19.2 | 25.7 | 35.1 | 52.0 | 85.1 | 130.2 | 168.9 | 147.0 | 982.1 |
| 1995-1996 | 140.1 | 86.9 | 32.1 | 21.9 | 18.5 | 25.0 | 29.1 | 56.2 | 106.1 | 162.4 | 212.3 | 186.3 | 1076.8 |
| 1996-1997 | 129.7 | 78.6 | 58.1 | 36.3 | 26.1 | 17.8 | 29.3 | 53.3 | 98.5 | 154.5 | 211.9 | 163.1 | 1057.2 |
| 1997-1998 | 115.4 | 80.8 | 50.6 | 26.3 | 18.9 | 26.2 | 28.5 | 72.1 | 90.7 | 147.7 | 198.2 | 186.5 | 1041.8 |
| 1998-1999 | 99.5 | 70.7 | 47.1 | 20.5 | 20.4 | 27.7 | 41.0 | 60.5 | 99.5 | 106.1 | 175.1 | 149.7 | 917.9 |
| 1999-2000 | 128.5 | 82.9 | 42.2 | 27.3 | 14.7 | 20.9 | 28.4 | 61.4 | 88.1 | 141.9 | 174.0 | 155.0 | 965.4 |
| 2000-2001 | 113.9 | 73.4 | 44.1 | 20.9 | 19.3 | 24.4 | 45.5 | 67.7 | 90.7 | 131.9 | 164.4 | 148.7 | 945.0 |
| 2001-2002 | 111.0 | 83.1 | 40.4 | 22.3 | 13.8 | 27.6 | 38.6 | 58.8 | 85.2 | 141.0 | 184.6 | 153.3 | 959.7 |
| 2002-2003 | 109.6 | 82.1 | 49.0 | 17.4 | 23.8 | 11.8 | 19.5 | 50.1 | 109.1 | 140.2 | 191.9 | 172.5 | 977.1 |
| 2003-2004 | 124.5 | 91.9 | 49.1 | 25.5 | 17.1 | 19.9 | 36.4 | 61.2 | 79.9 | 126.3 | 176.4 | 157.4 | 965.5 |
| 2004-2005 | 119.7 | 97.9 | 43.6 | 21.4 | 24.4 | 22.1 | 30.5 | 62.6 | 87.0 | 127.9 | 173.1 | 152.5 | 962.8 |
| 2005-2006 | 121.7 | 70.7 | 33.2 | 22.1 | 13.8 | 20.2 | 33.1 | 70.6 | 95.8 | 145.6 | 190.4 | 176.0 | 993.1 |
| 2006-2007 | 132.2 | 83.1 | 36.0 | 20.4 | 15.5 | 19.6 | 29.0 | 53.6 | 92.4 | 145.7 | 192.0 | 162.2 | 981.7 |
| 2007-2008 | 116.2 | 85.6 | 43.4 | 18.8 | 10.8 | 12.1 | 41.9 | 72.5 | 85.6 | 141.2 | 179.9 | 160.6 | 968.5 |
| 2008-2009 | 113.8 | 78.5 | 46.8 | 20.4 | 17.8 | 19.4 | 25.4 | 58.9 | 86.7 | 148.5 | 182.0 | 161.2 | 959.3 |
| 2009-2010 | 105.3 | 88.1 | 38.3 | 24.5 | 19.4 | 21.7 | 34.2 | 65.2 | 84.2 | 124.3 | 158.7 | 167.7 | 931.6 |
| 2010-2011 | 123.1 | 85.6 | 52.5 | 28.8 | 17.1 | 18.7 | 29.1 | 52.3 | 78.3 | 124.5 | 165.8 | 156.5 | 932.3 |
| 2011-2012 | 128.6 | 77.3 | 31.3 | 20.2 | 14.8 | 15.2 | 25.5 | 67.7 | 89.1 | 146.4 | 207.5 | 183.0 | 1006.7 |
| 2012-2013 | 113.9 | 81.4 | 43.8 | 21.0 | 14.1 | 21.1 | 31.1 | 64.5 | 92.8 | 129.3 | 163.4 | 155.5 | 931.9 |
| 2013-2014 | 116.1 | 67.2 | 51.2 | 17.2 | 22.4 | 23.8 | 37.7 | 67.6 | 82.2 | 135.9 | 169.8 | 155.4 | 946.3 |
| 2014-2015 | 124.1 | 79.9 | 38.8 | 27.9 | 14.4 | 18.4 | 32.7 | 55.4 | 96.1 | 126.7 | 180.5 | 178.3 | 973.4 |
| AVERAGE | 122.4 | 84.7 | 43.1 | 22.2 | 17.2 | 20.0 | 31.9 | 63.9 | 91.8 | 139.9 | 186.4 | 166.9 | |

**Table A. 18** Beyarmudu station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 177 | 173 | 139.2 | 134.1 | 124.4 | 120.1 | 139.2 | 147.5 | 167.9 | 182.5 | 199.8 | 191.5 | 1896.3 |
| 1979-1980 | 184.2 | 173.6 | 153.1 | 132.2 | 122.7 | 115.2 | 137.3 | 146.8 | 171.9 | 184.2 | 198.9 | 201.2 | 1921.5 |
| 1980-1981 | 180.1 | 174.3 | 154.6 | 136.3 | 125.5 | 115.3 | 140 | 149.4 | 164.6 | 184.6 | 199.9 | 202.1 | 1926.8 |
| 1981-1982 | 187.3 | 183.7 | 141.2 | 138.5 | 130.1 | 108.9 | 128.6 | 146.5 | 170.7 | 179.8 | 193.5 | 198.9 | 1907.9 |
| 1982-1983 | 187.4 | 175.1 | 141.4 | 128.6 | 119.7 | 109.3 | 128.3 | 146.7 | 173.2 | 179.5 | 199.8 | 198.6 | 1887.7 |
| 1983-1984 | 182.4 | 172.1 | 152.2 | 137.6 | 130.7 | 120.6 | 137.9 | 141.7 | 181.1 | 180.8 | 200.1 | 199.3 | 1936.4 |
| 1984-1985 | 173.2 | 167 | 143.9 | 126.7 | 130.9 | 108.3 | 138.2 | 143.5 | 174 | 182.8 | 200 | 201.8 | 1890.4 |
| 1985-1986 | 184.3 | 167 | 154.2 | 140.9 | 134.7 | 125.6 | 147.1 | 161.2 | 167.6 | 184.5 | 197.6 | 199.5 | 1964.0 |
| 1986-1987 | 184.1 | 166.6 | 135.8 | 131.8 | 130 | 120 | 121.9 | 138.5 | 164 | 177.9 | 198.5 | 197.9 | 1867.1 |
| 1987-1988 | 178.9 | 160.2 | 136 | 124.5 | 119.2 | 107.7 | 128.7 | 147.6 | 172.8 | 182.8 | 209.7 | 205 | 1873.2 |
| 1988-1989 | 185.8 | 168.4 | 135.4 | 129.7 | 116.2 | 110.9 | 139.4 | 163.4 | 176.2 | 180.5 | 202.6 | 198.6 | 1907.2 |
| 1989-1990 | 182.7 | 166.7 | 144.5 | 132.3 | 118 | 112.8 | 136.8 | 148.8 | 171.1 | 181.7 | 196.9 | 201 | 1893.1 |
| 1990-1991 | 180.6 | 172.5 | 149.9 | 135.6 | 122.2 | 110 | 138.7 | 146.1 | 167.7 | 178.1 | 197.2 | 195.6 | 1894.1 |
| 1991-1992 | 180.1 | 171.4 | 141.8 | 118 | 109.8 | 94.59 | 120.6 | 140.6 | 159.4 | 172 | 190.9 | 200.1 | 1799.2 |
| 1992-1993 | 177.2 | 171.5 | 139.4 | 116.5 | 115.9 | 101.1 | 136.8 | 146.1 | 163.9 | 183.6 | 201.6 | 202 | 1855.5 |
| 1993-1994 | 184.3 | 187.3 | 143.7 | 139 | 138 | 119.8 | 141.8 | 146.7 | 168.4 | 184.9 | 200.1 | 204.3 | 1958.4 |
| 1994-1995 | 192.8 | 185.9 | 142.9 | 127.8 | 129 | 120.1 | 139.4 | 140.7 | 166.7 | 177.6 | 193.8 | 192.8 | 1909.4 |
| 1995-1996 | 179.4 | 164.7 | 131 | 127.7 | 123.5 | 114.9 | 128.9 | 136.9 | 168.2 | 179.1 | 195.3 | 195.1 | 1844.4 |
| 1996-1997 | 174.3 | 159.7 | 147.7 | 140.5 | 131.1 | 108 | 128.5 | 134.7 | 163.8 | 175.4 | 193.7 | 186.5 | 1844.0 |
| 1997-1998 | 172.3 | 163.8 | 145.7 | 133.5 | 125.1 | 117 | 129.6 | 145.7 | 163.3 | 176.7 | 194.2 | 198 | 1864.8 |
| 1998-1999 | 180.4 | 171.9 | 154.6 | 135.5 | 135 | 126.1 | 149.9 | 151.1 | 182.1 | 175.6 | 205.7 | 203.6 | 1971.4 |
| 1999-2000 | 188.7 | 174.3 | 147.1 | 140.7 | 124.2 | 117 | 135.2 | 148 | 171.2 | 185.6 | 199.3 | 199.7 | 1931.1 |
| 2000-2001 | 183.4 | 170 | 149.4 | 133.8 | 131.4 | 121 | 150.9 | 152 | 173.6 | 182.9 | 197.3 | 198.6 | 1944.3 |
| 2001-2002 | 181.7 | 175.2 | 146.2 | 135.5 | 123.1 | 123.8 | 145 | 147.2 | 170.5 | 186.1 | 203.7 | 200 | 1938.1 |
| 2002-2003 | 180.9 | 174.5 | 152.7 | 129 | 136.8 | 106.5 | 125.9 | 142.1 | 182.5 | 185.6 | 205.8 | 207 | 1929.4 |
| 2003-2004 | 185.6 | 177.9 | 151.4 | 138 | 127.2 | 115.4 | 141.8 | 147.1 | 165.7 | 178.2 | 198.6 | 199.1 | 1925.9 |
| 2004-2005 | 183.6 | 181 | 147.3 | 133.3 | 136.5 | 117.7 | 136.6 | 147.8 | 169.7 | 178.9 | 197.7 | 197.4 | 1927.6 |
| 2005-2006 | 184.1 | 166.1 | 138.5 | 133.9 | 122.1 | 115.5 | 138.8 | 151.5 | 173.8 | 185.4 | 202.7 | 205.5 | 1917.9 |
| 2006-2007 | 189.9 | 174.2 | 141.8 | 132.4 | 125.2 | 115.5 | 135.7 | 143.6 | 173.2 | 186.7 | 204.7 | 202.1 | 1925.0 |
| 2007-2008 | 185.2 | 177.5 | 149.3 | 131.4 | 118.5 | 107.3 | 148.4 | 154.9 | 171.6 | 187.3 | 203.4 | 204 | 1938.9 |
| 2008-2009 | 184.3 | 173.8 | 152.1 | 133.7 | 129.7 | 116.3 | 133.2 | 148.1 | 172.4 | 190.3 | 204.4 | 204.5 | 1942.8 |
| 2009-2010 | 182.2 | 180.9 | 146.6 | 139.9 | 132.9 | 119.6 | 143.1 | 152.8 | 172.7 | 182.6 | 198.6 | 209.3 | 1961.2 |
| 2010-2011 | 190.1 | 179.1 | 157.4 | 144.6 | 129.4 | 116.2 | 137.9 | 145.3 | 168.9 | 182.2 | 200.6 | 204.4 | 1956.0 |
| 2011-2012 | 187.2 | 170 | 136.9 | 131.6 | 123.8 | 110.1 | 131.5 | 150.2 | 170.5 | 185.8 | 208 | 208.1 | 1913.9 |
| 2012-2013 | 187.6 | 178.3 | 151.9 | 136.1 | 125.6 | 119.5 | 140.8 | 153.3 | 178.5 | 185.9 | 201.6 | 206 | 1965.2 |
| 2013-2014 | 185 | 166.8 | 155.1 | 129.2 | 135.8 | 120.6 | 144.8 | 152.4 | 169.5 | 185.1 | 199.9 | 201.9 | 1946.1 |
| 2014-2015 | 186.1 | 172.1 | 144 | 141.1 | 123.5 | 114.1 | 138.9 | 144.4 | 174.9 | 179 | 200.7 | 207.5 | 1926.4 |
| AVERAGE | 183.1 | 172.6 | 145.8 | 133.3 | 126.4 | 114.7 | 136.9 | 147.3 | 170.8 | 182.0 | 199.9 | 200.8 | |

**Table A. 19** Beyarmudu station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 136.1 | 63.99 | 46.89 | 42.9 | 40.94 | 42.96 | 54.76 | 120 | 146.6 | 164.9 | 177.6 | 160.2 | 1197.9 |
| 1979-1980 | 141.6 | 64.21 | 51.56 | 42.28 | 40.39 | 41.22 | 54.03 | 119.4 | 150 | 166.5 | 176.8 | 168.3 | 1216.5 |
| 1980-1981 | 138.4 | 64.45 | 52.08 | 43.58 | 41.33 | 41.25 | 55.06 | 121.6 | 143.7 | 166.9 | 177.7 | 169.1 | 1215.1 |
| 1981-1982 | 144 | 67.94 | 47.56 | 44.29 | 42.84 | 38.96 | 50.57 | 119.2 | 149 | 162.5 | 172 | 166.4 | 1205.3 |
| 1982-1983 | 144.1 | 64.76 | 47.62 | 41.14 | 39.39 | 39.09 | 50.45 | 119.3 | 151.2 | 162.3 | 177.6 | 166.2 | 1203.1 |
| 1983-1984 | 140.2 | 63.63 | 51.27 | 44 | 43.03 | 43.14 | 54.25 | 115.3 | 158.1 | 163.4 | 177.9 | 166.8 | 1220.9 |
| 1984-1985 | 133.1 | 61.76 | 48.47 | 40.51 | 43.1 | 38.73 | 54.37 | 116.8 | 151.9 | 165.3 | 177.8 | 168.8 | 1200.6 |
| 1985-1986 | 141.7 | 61.76 | 51.95 | 45.05 | 44.33 | 44.94 | 57.84 | 131.1 | 146.3 | 166.7 | 175.6 | 166.9 | 1234.2 |
| 1986-1987 | 141.5 | 61.59 | 45.74 | 42.14 | 42.81 | 42.93 | 47.94 | 112.7 | 143.2 | 160.8 | 176.4 | 165.5 | 1183.4 |
| 1987-1988 | 137.5 | 59.22 | 45.83 | 39.82 | 39.26 | 38.53 | 50.61 | 120.1 | 150.8 | 165.3 | 186.5 | 171.5 | 1204.9 |
| 1988-1989 | 142.8 | 62.27 | 45.61 | 41.47 | 38.25 | 39.67 | 54.85 | 132.9 | 153.8 | 163.2 | 180.1 | 166.1 | 1221.1 |
| 1989-1990 | 140.4 | 61.63 | 48.67 | 42.3 | 38.85 | 40.33 | 53.78 | 121.1 | 149.3 | 164.3 | 175 | 168.1 | 1203.8 |
| 1990-1991 | 138.8 | 63.81 | 50.5 | 43.36 | 40.24 | 39.33 | 54.52 | 118.9 | 146.4 | 161 | 175.4 | 163.6 | 1195.7 |
| 1991-1992 | 138.4 | 63.37 | 47.76 | 37.74 | 36.15 | 33.83 | 47.41 | 114.4 | 139.2 | 155.4 | 169.7 | 167.4 | 1150.8 |
| 1992-1993 | 136.2 | 63.4 | 46.94 | 37.25 | 38.15 | 36.16 | 53.82 | 118.9 | 143.1 | 166 | 179.2 | 168.9 | 1188.0 |
| 1993-1994 | 141.7 | 69.25 | 48.4 | 44.46 | 45.43 | 42.85 | 55.78 | 119.3 | 147 | 167.2 | 177.9 | 170.9 | 1230.2 |
| 1994-1995 | 148.2 | 68.73 | 48.12 | 40.87 | 42.45 | 42.93 | 54.82 | 114.5 | 145.5 | 160.6 | 172.2 | 161.3 | 1200.2 |
| 1995-1996 | 137.9 | 60.88 | 44.09 | 40.82 | 40.65 | 41.1 | 50.69 | 111.3 | 146.8 | 161.9 | 173.6 | 163.2 | 1172.8 |
| 1996-1997 | 134 | 59.06 | 49.74 | 44.94 | 43.18 | 38.64 | 50.52 | 109.6 | 143 | 158.5 | 172.2 | 156 | 1159.4 |
| 1997-1998 | 132.4 | 60.56 | 49.06 | 42.7 | 41.17 | 41.86 | 50.97 | 118.5 | 142.5 | 159.7 | 172.7 | 165.6 | 1177.8 |
| 1998-1999 | 138.7 | 63.55 | 52.06 | 43.33 | 44.43 | 45.1 | 58.96 | 122.9 | 159 | 158.7 | 182.8 | 170.3 | 1239.9 |
| 1999-2000 | 145.1 | 64.45 | 49.54 | 44.99 | 40.88 | 41.86 | 53.18 | 120.4 | 149.5 | 167.8 | 177.1 | 167 | 1221.8 |
| 2000-2001 | 141 | 62.87 | 50.31 | 42.8 | 43.26 | 43.28 | 59.33 | 123.7 | 151.6 | 165.3 | 175.4 | 166.1 | 1224.9 |
| 2001-2002 | 139.7 | 64.79 | 49.24 | 43.32 | 40.54 | 44.29 | 57.05 | 119.7 | 148.8 | 168.2 | 181.1 | 167.3 | 1224.1 |
| 2002-2003 | 139.1 | 64.53 | 51.42 | 41.25 | 45.04 | 38.09 | 49.51 | 115.7 | 159.3 | 167.8 | 183 | 173.1 | 1227.8 |
| 2003-2004 | 142.7 | 65.78 | 50.99 | 44.13 | 41.87 | 41.28 | 55.78 | 119.6 | 144.6 | 161.1 | 176.6 | 166.6 | 1211.0 |
| 2004-2005 | 141.2 | 66.92 | 49.63 | 42.63 | 44.95 | 42.11 | 53.72 | 120.3 | 148.1 | 161.7 | 175.7 | 165.1 | 1212.1 |
| 2005-2006 | 141.5 | 61.42 | 46.67 | 42.81 | 40.21 | 41.34 | 54.57 | 123.3 | 151.7 | 167.5 | 180.2 | 171.9 | 1223.1 |
| 2006-2007 | 146 | 64.4 | 47.76 | 42.34 | 41.23 | 41.34 | 53.36 | 116.8 | 151.2 | 168.8 | 182 | 169 | 1224.2 |
| 2007-2008 | 142.4 | 65.65 | 50.28 | 42.03 | 39.01 | 38.37 | 58.37 | 126.1 | 149.8 | 169.3 | 180.8 | 170.7 | 1232.8 |
| 2008-2009 | 141.7 | 64.28 | 51.24 | 42.76 | 42.69 | 41.6 | 52.41 | 120.5 | 150.5 | 172.1 | 181.7 | 171.1 | 1232.4 |
| 2009-2010 | 140.1 | 66.91 | 49.37 | 44.74 | 43.76 | 42.79 | 56.28 | 124.4 | 150.7 | 165.1 | 176.6 | 175.1 | 1235.7 |
| 2010-2011 | 146.2 | 66.23 | 53.03 | 46.24 | 42.61 | 41.55 | 54.21 | 118.2 | 147.4 | 164.7 | 178.3 | 171 | 1229.7 |
| 2011-2012 | 143.9 | 62.85 | 46.13 | 42.09 | 40.75 | 39.37 | 51.74 | 122.2 | 148.9 | 168 | 184.9 | 174.1 | 1224.9 |
| 2012-2013 | 144.2 | 65.92 | 51.18 | 43.54 | 41.33 | 42.76 | 55.38 | 124.8 | 155.8 | 168 | 179.2 | 172.3 | 1244.5 |
| 2013-2014 | 142.2 | 61.68 | 52.25 | 41.33 | 44.69 | 43.16 | 56.96 | 124 | 148 | 167.3 | 177.7 | 168.9 | 1228.1 |
| 2014-2015 | 143.1 | 63.66 | 48.49 | 45.12 | 40.67 | 40.8 | 54.64 | 117.5 | 152.6 | 161.8 | 178.4 | 173.6 | 1220.4 |
| AVERAGE | 140.7 | 63.8 | 49.1 | 42.6 | 41.6 | 41.0 | 53.9 | 119.9 | 149.1 | 164.5 | 177.7 | 167.9 | |

**Table A. 20** Beyarmudu station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.3 | 92.41 | 54.85 | 42.47 | 40.82 | 50.1 | 80.84 | 100.8 | 130 | 148.5 | 157.4 | 141.3 | 1154.8 |
| 1979-1980 | 119.3 | 92.76 | 62.62 | 41.41 | 39.89 | 47.38 | 79.77 | 100.4 | 132.2 | 149.4 | 156.9 | 146.7 | 1168.9 |
| 1980-1981 | 117 | 93.14 | 63.48 | 43.68 | 41.48 | 47.43 | 81.25 | 101.9 | 128.1 | 149.7 | 157.4 | 147.2 | 1171.8 |
| 1981-1982 | 121.1 | 98.42 | 55.96 | 44.92 | 44.06 | 43.85 | 74.86 | 100.3 | 131.5 | 147 | 153.9 | 145.5 | 1161.2 |
| 1982-1983 | 121.1 | 93.6 | 56.06 | 39.39 | 38.18 | 44.04 | 74.69 | 100.4 | 132.9 | 146.8 | 157.4 | 145.3 | 1149.9 |
| 1983-1984 | 118.3 | 91.87 | 62.13 | 44.41 | 44.36 | 50.38 | 80.11 | 97.6 | 137.3 | 147.5 | 157.6 | 145.7 | 1177.3 |
| 1984-1985 | 113.1 | 89.05 | 57.48 | 38.29 | 44.48 | 43.48 | 80.27 | 98.61 | 133.4 | 148.7 | 157.5 | 147.1 | 1151.4 |
| 1985-1986 | 119.4 | 89.05 | 63.26 | 46.26 | 46.61 | 53.2 | 85.22 | 108.5 | 129.8 | 149.6 | 156.2 | 145.8 | 1192.7 |
| 1986-1987 | 119.3 | 88.79 | 52.94 | 41.17 | 44 | 50.05 | 71.12 | 95.79 | 127.8 | 145.9 | 156.7 | 144.9 | 1138.3 |
| 1987-1988 | 116.3 | 85.21 | 53.07 | 37.09 | 37.94 | 43.16 | 74.91 | 100.9 | 132.7 | 148.7 | 163 | 148.9 | 1141.8 |
| 1988-1989 | 120.2 | 89.84 | 52.72 | 39.98 | 36.23 | 44.95 | 80.95 | 109.7 | 134.6 | 147.4 | 159 | 145.3 | 1160.8 |
| 1989-1990 | 118.5 | 88.86 | 57.82 | 41.44 | 37.26 | 45.99 | 79.45 | 101.5 | 131.7 | 148 | 155.8 | 146.6 | 1153.0 |
| 1990-1991 | 117.3 | 92.15 | 60.85 | 43.29 | 39.62 | 44.42 | 80.51 | 100 | 129.8 | 146 | 156 | 143.6 | 1153.5 |
| 1991-1992 | 117 | 91.5 | 56.29 | 33.43 | 32.67 | 35.8 | 70.35 | 96.96 | 125.2 | 142.6 | 152.4 | 146.1 | 1100.3 |
| 1992-1993 | 115.4 | 91.55 | 54.92 | 32.59 | 36.08 | 39.44 | 79.49 | 100 | 127.7 | 149.1 | 158.4 | 147.2 | 1131.9 |
| 1993-1994 | 119.4 | 100.4 | 57.37 | 45.23 | 48.46 | 49.93 | 82.28 | 100.4 | 130.2 | 149.8 | 157.6 | 148.5 | 1189.6 |
| 1994-1995 | 124.1 | 99.63 | 56.9 | 38.95 | 43.4 | 50.09 | 80.9 | 97.03 | 129.3 | 145.8 | 154 | 142 | 1162.1 |
| 1995-1996 | 116.6 | 87.73 | 50.21 | 38.85 | 40.32 | 47.2 | 75.03 | 94.87 | 130.1 | 146.6 | 154.9 | 143.3 | 1125.6 |
| 1996-1997 | 113.8 | 84.94 | 59.6 | 46.05 | 44.63 | 43.34 | 74.79 | 93.65 | 127.6 | 144.5 | 154 | 138.5 | 1125.4 |
| 1997-1998 | 112.6 | 87.22 | 58.46 | 42.12 | 41.23 | 48.37 | 75.42 | 99.82 | 127.4 | 145.2 | 154.3 | 144.9 | 1137.0 |
| 1998-1999 | 117.2 | 91.78 | 63.45 | 43.25 | 46.78 | 53.46 | 86.82 | 102.9 | 137.9 | 144.6 | 160.7 | 148 | 1196.9 |
| 1999-2000 | 121.8 | 93.12 | 59.27 | 46.15 | 40.73 | 48.37 | 78.59 | 101.1 | 131.8 | 150.2 | 157.1 | 145.9 | 1174.3 |
| 2000-2001 | 118.9 | 90.74 | 60.54 | 42.31 | 44.77 | 50.61 | 87.36 | 103.4 | 133.2 | 148.7 | 156 | 145.2 | 1181.7 |
| 2001-2002 | 117.9 | 93.64 | 58.77 | 43.22 | 40.12 | 52.17 | 84.08 | 100.7 | 131.4 | 150.5 | 159.6 | 146.1 | 1178.2 |
| 2002-2003 | 117.5 | 93.26 | 62.39 | 39.59 | 47.79 | 42.47 | 73.35 | 97.82 | 138.2 | 150.2 | 160.8 | 150 | 1173.3 |
| 2003-2004 | 120.1 | 95.13 | 61.68 | 44.64 | 42.41 | 47.47 | 82.29 | 100.6 | 128.7 | 146.1 | 156.7 | 145.6 | 1171.4 |
| 2004-2005 | 119 | 96.89 | 59.4 | 42.01 | 47.65 | 48.78 | 79.34 | 101 | 131 | 146.5 | 156.2 | 144.6 | 1172.3 |
| 2005-2006 | 119.3 | 88.52 | 54.46 | 42.35 | 39.56 | 47.55 | 80.58 | 103.1 | 133.3 | 150.1 | 159 | 149.1 | 1166.9 |
| 2006-2007 | 122.5 | 93.07 | 56.3 | 41.51 | 41.31 | 47.55 | 78.83 | 98.62 | 132.9 | 150.8 | 160.1 | 147.2 | 1170.8 |
| 2007-2008 | 119.9 | 94.95 | 60.5 | 40.97 | 37.52 | 42.92 | 85.97 | 105 | 132 | 151.2 | 159.4 | 148.3 | 1178.7 |
| 2008-2009 | 119.4 | 92.87 | 62.09 | 42.23 | 43.8 | 47.97 | 77.47 | 101.2 | 132.5 | 152.9 | 160 | 148.6 | 1180.8 |
| 2009-2010 | 118.2 | 96.84 | 58.98 | 45.72 | 45.63 | 49.84 | 82.99 | 103.8 | 132.6 | 148.6 | 156.7 | 151.3 | 1191.2 |
| 2010-2011 | 122.6 | 95.82 | 65.06 | 48.33 | 43.65 | 47.89 | 80.06 | 99.62 | 130.5 | 148.3 | 157.8 | 148.5 | 1188.3 |
| 2011-2012 | 121 | 90.71 | 53.56 | 41.07 | 40.51 | 44.49 | 76.52 | 102.3 | 131.4 | 150.3 | 162 | 150.6 | 1164.6 |
| 2012-2013 | 121.2 | 95.37 | 61.98 | 43.6 | 41.49 | 49.8 | 81.71 | 104.1 | 135.9 | 150.4 | 158.4 | 149.4 | 1193.4 |
| 2013-2014 | 119.8 | 88.93 | 63.75 | 39.73 | 47.21 | 50.41 | 83.97 | 103.6 | 130.9 | 149.9 | 157.4 | 147.1 | 1182.7 |
| 2014-2015 | 120.4 | 91.92 | 57.51 | 46.38 | 40.36 | 46.72 | 80.67 | 99.09 | 133.8 | 146.5 | 157.9 | 150.3 | 1171.6 |
| AVERAGE | 118.7 | 92.2 | 58.6 | 42.0 | 42.0 | 47.1 | 79.5 | 100.7 | 131.5 | 148.2 | 157.5 | 146.5 | |

**Table A. 21** Beylerbeyi station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 97.8 | 70.8 | 36.9 | 29.4 | 27.5 | 32.8 | 50.0 | 68.1 | 106.9 | 148.4 | 174.2 | 147.6 | 990.4 |
| 1979-1980 | 108.0 | 72.5 | 44.1 | 27.7 | 24.7 | 28.3 | 44.7 | 64.3 | 100.6 | 149.8 | 176.9 | 176.0 | 1017.6 |
| 1980-1981 | 102.7 | 68.0 | 40.3 | 29.1 | 26.4 | 30.5 | 51.8 | 74.9 | 103.0 | 177.1 | 197.2 | 170.8 | 1071.8 |
| 1981-1982 | 117.5 | 79.5 | 35.7 | 31.3 | 28.1 | 27.7 | 42.8 | 68.4 | 103.5 | 146.0 | 164.3 | 153.4 | 998.2 |
| 1982-1983 | 107.4 | 68.6 | 34.2 | 26.3 | 23.9 | 27.7 | 44.5 | 68.1 | 109.2 | 138.7 | 169.9 | 148.1 | 966.6 |
| 1983-1984 | 100.7 | 62.9 | 41.5 | 29.7 | 28.5 | 32.2 | 49.0 | 66.4 | 116.6 | 145.6 | 171.8 | 140.4 | 985.3 |
| 1984-1985 | 97.2 | 68.2 | 34.7 | 25.6 | 28.8 | 27.5 | 45.1 | 70.4 | 114.3 | 144.4 | 171.2 | 156.2 | 983.7 |
| 1985-1986 | 102.6 | 60.8 | 40.4 | 27.7 | 27.8 | 32.1 | 50.2 | 78.0 | 101.2 | 149.2 | 170.5 | 149.7 | 990.3 |
| 1986-1987 | 108.0 | 65.0 | 33.8 | 26.8 | 28.0 | 32.5 | 39.6 | 65.1 | 100.4 | 142.8 | 179.9 | 153.6 | 975.5 |
| 1987-1988 | 104.5 | 62.3 | 36.2 | 27.8 | 26.7 | 29.6 | 45.5 | 70.0 | 112.9 | 149.8 | 197.2 | 160.8 | 1023.2 |
| 1988-1989 | 105.7 | 62.3 | 33.3 | 26.7 | 23.2 | 28.9 | 48.7 | 82.5 | 117.3 | 142.6 | 180.0 | 152.9 | 1004.0 |
| 1989-1990 | 103.3 | 64.0 | 39.5 | 29.9 | 25.7 | 31.0 | 50.2 | 72.6 | 111.0 | 147.5 | 175.1 | 156.5 | 1006.2 |
| 1990-1991 | 104.0 | 72.6 | 43.1 | 31.3 | 28.2 | 31.0 | 53.1 | 74.5 | 106.2 | 150.5 | 168.9 | 152.6 | 1016.0 |
| 1991-1992 | 105.2 | 72.6 | 40.2 | 26.2 | 25.1 | 24.8 | 42.0 | 66.2 | 103.4 | 140.2 | 162.7 | 162.6 | 971.2 |
| 1992-1993 | 104.4 | 71.6 | 38.9 | 24.8 | 26.0 | 27.6 | 45.1 | 68.3 | 97.3 | 152.2 | 179.1 | 166.6 | 1001.8 |
| 1993-1994 | 107.4 | 81.4 | 38.3 | 31.7 | 31.0 | 33.0 | 49.9 | 78.6 | 117.1 | 153.4 | 176.1 | 166.0 | 1064.0 |
| 1994-1995 | 120.1 | 83.0 | 39.5 | 27.5 | 29.7 | 33.8 | 51.4 | 70.3 | 113.3 | 161.7 | 182.9 | 160.6 | 1073.8 |
| 1995-1996 | 107.9 | 68.5 | 35.0 | 27.9 | 27.1 | 33.5 | 49.3 | 67.7 | 122.7 | 162.7 | 190.9 | 169.7 | 1063.0 |
| 1996-1997 | 111.8 | 68.6 | 45.3 | 33.9 | 29.9 | 29.7 | 44.8 | 62.5 | 116.4 | 160.3 | 194.2 | 148.5 | 1046.0 |
| 1997-1998 | 104.0 | 70.7 | 42.7 | 30.4 | 28.0 | 32.8 | 47.4 | 77.1 | 109.0 | 159.0 | 194.5 | 178.8 | 1074.2 |
| 1998-1999 | 110.3 | 75.0 | 45.0 | 32.0 | 29.2 | 31.2 | 48.7 | 68.0 | 112.9 | 145.9 | 176.3 | 155.7 | 1030.2 |
| 1999-2000 | 102.0 | 71.5 | 39.9 | 30.4 | 26.5 | 31.7 | 47.2 | 74.4 | 116.2 | 170.9 | 199.1 | 165.8 | 1075.7 |
| 2000-2001 | 113.3 | 70.8 | 43.9 | 30.0 | 29.5 | 33.4 | 59.3 | 76.5 | 119.6 | 156.5 | 187.6 | 170.1 | 1090.5 |
| 2001-2002 | 115.0 | 76.4 | 41.3 | 30.3 | 26.3 | 35.8 | 55.3 | 72.8 | 113.9 | 161.0 | 199.0 | 165.5 | 1092.6 |
| 2002-2003 | 110.5 | 75.2 | 45.3 | 28.2 | 31.8 | 29.8 | 46.3 | 71.6 | 132.6 | 163.5 | 197.0 | 173.9 | 1105.6 |
| 2003-2004 | 110.7 | 73.7 | 41.7 | 29.4 | 27.2 | 31.0 | 53.5 | 74.2 | 112.2 | 158.3 | 195.8 | 165.6 | 1073.4 |
| 2004-2005 | 114.0 | 79.6 | 42.0 | 28.2 | 28.9 | 30.8 | 52.8 | 75.3 | 114.4 | 149.6 | 188.3 | 163.7 | 1067.6 |
| 2005-2006 | 114.7 | 68.9 | 38.3 | 30.8 | 27.3 | 32.6 | 51.7 | 78.1 | 117.1 | 159.2 | 189.5 | 172.8 | 1081.1 |
| 2006-2007 | 117.2 | 72.3 | 38.6 | 29.0 | 28.4 | 33.1 | 52.3 | 72.7 | 117.8 | 169.1 | 201.2 | 171.3 | 1103.2 |
| 2007-2008 | 113.1 | 77.8 | 42.8 | 29.7 | 26.3 | 30.8 | 58.0 | 79.8 | 116.2 | 167.5 | 194.5 | 176.2 | 1112.8 |
| 2008-2009 | 112.4 | 72.2 | 46.2 | 30.9 | 29.4 | 32.6 | 49.4 | 73.7 | 113.1 | 168.3 | 193.4 | 166.6 | 1088.2 |
| 2009-2010 | 106.8 | 76.8 | 41.0 | 33.1 | 31.7 | 34.7 | 54.2 | 77.7 | 116.6 | 151.7 | 180.5 | 182.6 | 1087.3 |
| 2010-2011 | 118.1 | 74.4 | 46.7 | 34.3 | 29.2 | 32.8 | 50.7 | 70.6 | 109.2 | 155.5 | 189.5 | 169.4 | 1080.4 |
| 2011-2012 | 116.3 | 68.9 | 36.1 | 28.6 | 26.7 | 29.5 | 46.6 | 74.1 | 110.2 | 162.0 | 204.7 | 178.3 | 1082.1 |
| 2012-2013 | 114.1 | 74.3 | 44.4 | 30.6 | 28.2 | 34.7 | 52.7 | 77.4 | 124.7 | 156.8 | 186.7 | 171.9 | 1096.6 |
| 2013-2014 | 109.7 | 66.8 | 44.8 | 27.5 | 31.3 | 34.3 | 54.4 | 76.1 | 110.2 | 154.3 | 180.3 | 167.2 | 1056.9 |
| 2014-2015 | 111.2 | 70.5 | 39.7 | 32.7 | 27.4 | 31.2 | 52.3 | 68.5 | 114.6 | 142.7 | 182.2 | 172.4 | 1045.3 |
| AVERAGE | 108.9 | 71.3 | 40.3 | 29.4 | 27.8 | 31.3 | 49.5 | 72.3 | 112.3 | 154.4 | 184.4 | 163.8 | |

**Table A. 22** Beylerbeyi station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.2 | 84.7 | 39.5 | 25.6 | 18.8 | 25.4 | 34.8 | 52.9 | 87.0 | 145.6 | 168.3 | 159.8 | 954.5 |
| 1979-1980 | 125.2 | 85.7 | 55.7 | 21.5 | 13.4 | 16.1 | 25.7 | 45.8 | 77.3 | 144.1 | 167.6 | 191.9 | 969.9 |
| 1980-1981 | 105.6 | 69.9 | 41.9 | 21.9 | 14.8 | 18.4 | 33.3 | 56.2 | 72.6 | 160.0 | 171.0 | 167.1 | 932.6 |
| 1981-1982 | 140.6 | 99.0 | 36.1 | 29.4 | 19.6 | 15.2 | 23.2 | 52.7 | 81.7 | 140.7 | 155.1 | 165.4 | 958.7 |
| 1982-1983 | 141.2 | 89.7 | 36.9 | 21.2 | 13.5 | 17.0 | 28.9 | 58.8 | 99.6 | 147.7 | 181.4 | 178.6 | 1014.5 |
| 1983-1984 | 116.9 | 70.3 | 50.7 | 26.4 | 20.7 | 24.2 | 33.3 | 50.2 | 99.3 | 142.1 | 165.8 | 150.3 | 950.1 |
| 1984-1985 | 118.1 | 84.8 | 36.5 | 18.7 | 22.4 | 15.8 | 28.6 | 60.0 | 101.9 | 148.9 | 174.7 | 181.5 | 991.9 |
| 1985-1986 | 119.9 | 66.3 | 48.0 | 22.1 | 19.4 | 24.1 | 35.1 | 68.6 | 79.8 | 146.6 | 164.2 | 162.7 | 956.8 |
| 1986-1987 | 138.6 | 80.2 | 35.0 | 21.7 | 21.3 | 26.8 | 20.0 | 52.0 | 84.9 | 149.6 | 188.9 | 181.6 | 1000.6 |
| 1987-1988 | 121.4 | 68.3 | 37.5 | 21.9 | 17.0 | 18.9 | 27.3 | 55.4 | 93.6 | 145.9 | 191.9 | 175.3 | 974.3 |
| 1988-1989 | 128.1 | 71.2 | 31.8 | 20.4 | 11.3 | 18.1 | 33.6 | 77.9 | 102.9 | 142.0 | 179.9 | 171.8 | 989.0 |
| 1989-1990 | 118.1 | 70.5 | 44.7 | 26.1 | 15.1 | 21.4 | 34.3 | 58.6 | 90.2 | 141.1 | 165.6 | 167.6 | 953.2 |
| 1990-1991 | 111.9 | 80.6 | 49.9 | 27.2 | 18.5 | 20.0 | 36.5 | 57.8 | 79.3 | 135.9 | 149.1 | 152.5 | 919.1 |
| 1991-1992 | 134.8 | 95.9 | 52.3 | 20.5 | 15.5 | 11.1 | 24.1 | 54.2 | 89.7 | 146.9 | 168.7 | 195.7 | 1009.6 |
| 1992-1993 | 126.2 | 88.7 | 45.8 | 16.3 | 16.5 | 15.7 | 27.8 | 54.8 | 76.8 | 154.9 | 179.0 | 190.0 | 992.4 |
| 1993-1994 | 106.2 | 86.4 | 35.5 | 25.7 | 21.5 | 21.5 | 29.1 | 58.2 | 84.0 | 127.0 | 142.9 | 153.4 | 891.5 |
| 1994-1995 | 122.1 | 88.8 | 37.8 | 18.1 | 19.4 | 22.9 | 31.2 | 47.1 | 80.0 | 135.9 | 149.4 | 147.6 | 900.3 |
| 1995-1996 | 115.0 | 72.3 | 31.3 | 20.2 | 16.3 | 24.2 | 30.3 | 47.0 | 96.4 | 147.3 | 168.4 | 169.3 | 938.0 |
| 1996-1997 | 118.7 | 71.5 | 52.9 | 31.5 | 20.8 | 17.1 | 23.6 | 39.0 | 88.2 | 142.7 | 169.5 | 142.7 | 918.2 |
| 1997-1998 | 103.8 | 71.8 | 45.3 | 23.6 | 16.9 | 21.7 | 26.2 | 57.2 | 76.9 | 135.6 | 163.1 | 169.9 | 912.0 |
| 1998-1999 | 117.1 | 82.1 | 52.4 | 27.9 | 19.7 | 19.8 | 29.3 | 47.0 | 84.7 | 126.7 | 152.4 | 151.7 | 910.6 |
| 1999-2000 | 103.0 | 74.3 | 40.4 | 24.2 | 14.7 | 20.2 | 26.4 | 54.6 | 86.0 | 150.8 | 170.2 | 158.9 | 923.7 |
| 2000-2001 | 108.6 | 67.5 | 44.7 | 21.5 | 18.2 | 21.3 | 40.0 | 52.9 | 82.8 | 124.4 | 146.9 | 150.6 | 879.4 |
| 2001-2002 | 112.2 | 76.5 | 40.2 | 22.2 | 13.5 | 25.6 | 35.3 | 48.9 | 78.2 | 130.9 | 159.1 | 148.0 | 890.6 |
| 2002-2003 | 106.0 | 74.3 | 47.7 | 18.4 | 21.9 | 15.6 | 23.4 | 47.0 | 96.2 | 132.5 | 156.3 | 155.6 | 894.9 |
| 2003-2004 | 112.4 | 76.3 | 43.3 | 21.8 | 15.6 | 18.6 | 34.5 | 53.2 | 80.2 | 134.6 | 164.0 | 155.7 | 910.2 |
| 2004-2005 | 116.0 | 84.8 | 43.5 | 19.5 | 18.2 | 18.0 | 33.4 | 54.4 | 82.1 | 124.4 | 156.2 | 152.8 | 903.4 |
| 2005-2006 | 116.2 | 68.3 | 35.8 | 24.1 | 15.7 | 21.0 | 31.7 | 57.9 | 84.6 | 134.1 | 156.4 | 161.5 | 907.3 |
| 2006-2007 | 115.7 | 71.1 | 35.2 | 20.2 | 16.9 | 21.3 | 31.6 | 49.2 | 82.7 | 140.1 | 162.1 | 155.0 | 901.2 |
| 2007-2008 | 106.9 | 76.4 | 41.9 | 20.6 | 13.1 | 16.8 | 37.8 | 56.3 | 78.4 | 133.6 | 150.8 | 154.5 | 887.3 |
| 2008-2009 | 109.5 | 70.7 | 50.1 | 23.4 | 18.4 | 20.3 | 27.7 | 50.2 | 77.8 | 138.9 | 154.8 | 149.7 | 891.4 |
| 2009-2010 | 100.0 | 75.4 | 38.8 | 26.7 | 21.4 | 23.3 | 33.1 | 54.1 | 79.3 | 118.6 | 139.6 | 161.7 | 871.9 |
| 2010-2011 | 115.5 | 73.4 | 50.6 | 29.4 | 18.0 | 20.5 | 29.1 | 45.8 | 73.1 | 124.7 | 150.1 | 151.4 | 881.5 |
| 2011-2012 | 123.9 | 71.6 | 33.0 | 21.0 | 15.2 | 16.6 | 26.0 | 55.1 | 80.8 | 143.7 | 178.5 | 175.5 | 940.9 |
| 2012-2013 | 108.7 | 71.9 | 45.2 | 22.3 | 16.1 | 23.2 | 31.2 | 53.7 | 87.2 | 123.8 | 144.9 | 151.1 | 879.2 |
| 2013-2014 | 111.3 | 65.9 | 49.7 | 18.3 | 22.4 | 24.3 | 35.8 | 55.9 | 78.2 | 130.5 | 149.7 | 157.6 | 899.5 |
| 2014-2015 | 118.0 | 74.6 | 40.8 | 29.2 | 16.6 | 19.6 | 34.2 | 47.6 | 86.4 | 122.6 | 157.9 | 170.4 | 918.0 |
| AVERAGE | 116.9 | 77.1 | 42.7 | 23.0 | 17.5 | 20.0 | 30.5 | 53.7 | 84.9 | 138.2 | 162.6 | 163.1 | |

**Table A. 23** Beylerbeyi station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 175.5 | 172.1 | 139.8 | 134.9 | 126.7 | 118.5 | 137.4 | 142 | 165.2 | 178.9 | 196 | 193.8 | 1880.7 |
| 1979-1980 | 182.3 | 173.7 | 151.9 | 130.7 | 119.2 | 109.1 | 129.4 | 138 | 160.9 | 179.5 | 197.2 | 206.3 | 1878.2 |
| 1980-1981 | 178.8 | 169.2 | 145.9 | 134.1 | 123.8 | 114 | 139.8 | 148.5 | 162.5 | 190.9 | 204.8 | 204.2 | 1916.6 |
| 1981-1982 | 188 | 180.2 | 137.5 | 139.3 | 128.1 | 107.9 | 126.5 | 142.2 | 162.9 | 177.7 | 191.9 | 196.6 | 1878.9 |
| 1982-1983 | 181.9 | 169.8 | 134.6 | 127.1 | 116.7 | 107.7 | 129.2 | 142 | 166.6 | 174.3 | 194.3 | 194.1 | 1838.3 |
| 1983-1984 | 177.5 | 163.7 | 147.8 | 135.7 | 129.2 | 117.3 | 136 | 140.2 | 171.3 | 177.5 | 195.1 | 190.3 | 1881.7 |
| 1984-1985 | 175.1 | 169.4 | 135.7 | 125.3 | 129.9 | 107.3 | 130.1 | 144.3 | 169.8 | 177 | 194.8 | 197.8 | 1856.6 |
| 1985-1986 | 178.8 | 161.4 | 145.9 | 130.8 | 127.5 | 117.2 | 137.6 | 151.2 | 161.3 | 179.2 | 194.6 | 194.9 | 1880.3 |
| 1986-1987 | 182.3 | 166.1 | 133.9 | 128.3 | 128 | 117.9 | 120.9 | 138.9 | 160.7 | 176.3 | 198.3 | 196.6 | 1848.1 |
| 1987-1988 | 180 | 163 | 138.6 | 131 | 124.5 | 112.1 | 130.7 | 143.9 | 169 | 179.5 | 204.8 | 199.9 | 1876.9 |
| 1988-1989 | 180.8 | 163.1 | 132.7 | 128.1 | 114.8 | 110.4 | 135.5 | 155 | 171.7 | 176.1 | 198.4 | 196.4 | 1863.0 |
| 1989-1990 | 179.3 | 164.9 | 144.4 | 136.2 | 121.9 | 115 | 137.6 | 146.3 | 167.8 | 178.4 | 196.4 | 198 | 1886.1 |
| 1990-1991 | 179.7 | 173.8 | 150.4 | 139.2 | 128.4 | 114.9 | 141.5 | 148.1 | 164.7 | 179.8 | 193.9 | 196.2 | 1910.7 |
| 1991-1992 | 180.5 | 173.8 | 145.7 | 126.9 | 120.2 | 100.9 | 125 | 140 | 162.8 | 175 | 191.2 | 200.7 | 1842.7 |
| 1992-1993 | 180 | 172.8 | 143.4 | 122.9 | 122.8 | 107.6 | 130.1 | 142.2 | 158.5 | 180.5 | 198 | 202.4 | 1861.2 |
| 1993-1994 | 181.9 | 181.9 | 142.4 | 140.3 | 135.1 | 118.8 | 137.2 | 151.7 | 171.5 | 181.1 | 196.8 | 202.2 | 1941.1 |
| 1994-1995 | 189.5 | 183.3 | 144.4 | 130.3 | 132.2 | 120.4 | 139.4 | 144.1 | 169.2 | 184.7 | 199.5 | 199.8 | 1936.6 |
| 1995-1996 | 182.2 | 169.7 | 136.3 | 131.3 | 125.7 | 119.9 | 136.3 | 141.5 | 174.9 | 185.1 | 202.5 | 203.7 | 1909.2 |
| 1996-1997 | 184.6 | 169.8 | 153.8 | 145 | 132.6 | 112.3 | 129.6 | 136.1 | 171.1 | 184.1 | 203.7 | 194.3 | 1917.1 |
| 1997-1998 | 179.6 | 171.9 | 149.8 | 137.2 | 127.8 | 118.6 | 133.5 | 150.4 | 166.5 | 183.6 | 203.8 | 207.3 | 1930.2 |
| 1998-1999 | 183.7 | 176.1 | 153.3 | 140.9 | 130.8 | 115.4 | 135.6 | 141.9 | 169 | 177.7 | 196.9 | 197.6 | 1918.9 |
| 1999-2000 | 178.3 | 172.7 | 145.2 | 137.4 | 123.9 | 116.4 | 133.3 | 148 | 171 | 188.4 | 205.5 | 202.1 | 1922.4 |
| 2000-2001 | 185.5 | 172.1 | 151.7 | 136.4 | 131.5 | 119.6 | 149.3 | 149.9 | 173.1 | 182.4 | 201.3 | 203.9 | 1956.7 |
| 2001-2002 | 186.6 | 177.4 | 147.5 | 137 | 123.5 | 124 | 144.4 | 146.5 | 169.6 | 184.4 | 205.4 | 201.9 | 1948.3 |
| 2002-2003 | 183.8 | 176.3 | 153.8 | 131.9 | 136.8 | 112.4 | 131.9 | 145.4 | 180.3 | 185.5 | 204.7 | 205.4 | 1948.3 |
| 2003-2004 | 183.9 | 174.8 | 148.2 | 134.9 | 125.8 | 115 | 142.1 | 147.8 | 168.6 | 183.2 | 204.3 | 202 | 1930.8 |
| 2004-2005 | 186 | 180.3 | 148.6 | 132 | 130.1 | 114.4 | 141.2 | 148.8 | 170 | 179.4 | 201.5 | 201.2 | 1933.5 |
| 2005-2006 | 186.4 | 170.2 | 142.4 | 138.3 | 126.2 | 118.1 | 139.7 | 151.3 | 171.6 | 183.7 | 202 | 204.9 | 1934.8 |
| 2006-2007 | 187.9 | 173.5 | 142.9 | 134.1 | 129 | 119.1 | 140.6 | 146.5 | 172 | 187.7 | 206.2 | 204.4 | 1943.9 |
| 2007-2008 | 185.4 | 178.7 | 150 | 135.6 | 123.5 | 114.5 | 147.8 | 152.7 | 171 | 187.1 | 203.8 | 206.3 | 1956.5 |
| 2008-2009 | 185 | 173.4 | 155.2 | 138.4 | 131.4 | 118.1 | 136.5 | 147.4 | 169.2 | 187.4 | 203.4 | 202.4 | 1947.7 |
| 2009-2010 | 181.5 | 177.8 | 147.1 | 143.2 | 136.7 | 122.1 | 142.9 | 151 | 171.3 | 180.3 | 198.6 | 208.9 | 1961.2 |
| 2010-2011 | 188.4 | 175.6 | 155.9 | 145.9 | 130.9 | 118.5 | 138.3 | 144.4 | 166.6 | 182 | 202 | 203.5 | 1952.0 |
| 2011-2012 | 187.3 | 170.1 | 138.4 | 132.9 | 124.5 | 111.8 | 132.4 | 147.7 | 167.3 | 184.8 | 207.4 | 207.2 | 1911.9 |
| 2012-2013 | 186 | 175.4 | 152.5 | 137.7 | 128.4 | 122.1 | 141 | 150.7 | 176 | 182.6 | 200.9 | 204.6 | 1958.0 |
| 2013-2014 | 183.4 | 168 | 153.1 | 130.1 | 135.8 | 121.3 | 143.2 | 149.5 | 167.3 | 181.5 | 198.5 | 202.6 | 1934.5 |
| 2014-2015 | 184.2 | 171.7 | 144.7 | 142.4 | 126.5 | 115.2 | 140.4 | 142.4 | 170.1 | 176.2 | 199.2 | 204.8 | 1918.0 |
| AVERAGE | 182.7 | 172.4 | 145.6 | 134.7 | 127.3 | 115.3 | 136.3 | 145.9 | 168.5 | 181.5 | 199.9 | 201.1 | |

**Table A. 24** Beylerbeyi station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 134.9 | 63.63 | 47.08 | 43.14 | 41.72 | 42.38 | 54.03 | 115.5 | 144.2 | 161.7 | 174.3 | 162.1 | 1184.6 |
| 1979-1980 | 140.1 | 64.23 | 51.17 | 41.81 | 39.24 | 39.04 | 50.88 | 112.3 | 140.4 | 162.2 | 175.2 | 172.5 | 1189.2 |
| 1980-1981 | 137.5 | 62.55 | 49.14 | 42.9 | 40.77 | 40.76 | 54.99 | 120.8 | 141.8 | 172.5 | 182 | 170.8 | 1216.6 |
| 1981-1982 | 144.5 | 66.63 | 46.31 | 44.56 | 42.18 | 38.58 | 49.73 | 115.7 | 142.2 | 160.6 | 170.6 | 164.4 | 1186.1 |
| 1982-1983 | 139.8 | 62.79 | 45.31 | 40.65 | 38.44 | 38.53 | 50.8 | 115.5 | 145.5 | 157.5 | 172.7 | 162.4 | 1169.9 |
| 1983-1984 | 136.4 | 60.54 | 49.77 | 43.4 | 42.55 | 41.97 | 53.48 | 114.1 | 149.5 | 160.5 | 173.4 | 159.2 | 1184.8 |
| 1984-1985 | 134.6 | 62.64 | 45.7 | 40.06 | 42.75 | 38.37 | 51.17 | 117.4 | 148.3 | 160 | 173.2 | 165.5 | 1179.6 |
| 1985-1986 | 137.4 | 59.66 | 49.16 | 41.84 | 41.96 | 41.91 | 54.13 | 123 | 140.8 | 162 | 172.9 | 163 | 1187.8 |
| 1986-1987 | 140.1 | 61.4 | 45.09 | 41.04 | 42.13 | 42.18 | 47.53 | 113 | 140.3 | 159.3 | 176.3 | 164.5 | 1172.8 |
| 1987-1988 | 138.4 | 60.27 | 46.68 | 41.88 | 40.98 | 40.09 | 51.38 | 117.1 | 147.5 | 162.2 | 182 | 167.2 | 1195.7 |
| 1988-1989 | 138.9 | 60.3 | 44.7 | 40.97 | 37.79 | 39.5 | 53.27 | 126.1 | 149.9 | 159.2 | 176.3 | 164.2 | 1191.2 |
| 1989-1990 | 137.8 | 60.96 | 48.63 | 43.54 | 40.13 | 41.14 | 54.11 | 119 | 146.5 | 161.3 | 174.6 | 165.6 | 1193.3 |
| 1990-1991 | 138.1 | 64.28 | 50.65 | 44.53 | 42.26 | 41.11 | 55.66 | 120.5 | 143.8 | 162.5 | 172.4 | 164.1 | 1199.8 |
| 1991-1992 | 138.7 | 64.28 | 49.09 | 40.57 | 39.57 | 36.07 | 49.16 | 113.9 | 142.1 | 158.1 | 170 | 167.8 | 1169.5 |
| 1992-1993 | 138.3 | 63.9 | 48.3 | 39.28 | 40.42 | 38.49 | 51.17 | 115.7 | 138.3 | 163.2 | 176 | 169.3 | 1182.4 |
| 1993-1994 | 139.8 | 67.25 | 47.96 | 44.87 | 44.49 | 42.51 | 53.97 | 123.5 | 149.7 | 163.7 | 175 | 169.1 | 1221.8 |
| 1994-1995 | 145.7 | 67.76 | 48.63 | 41.67 | 43.51 | 43.06 | 54.8 | 117.2 | 147.7 | 166.9 | 177.3 | 167.1 | 1221.4 |
| 1995-1996 | 140.1 | 62.76 | 45.88 | 42 | 41.37 | 42.9 | 53.61 | 115.2 | 152.6 | 167.3 | 180 | 170.4 | 1214.1 |
| 1996-1997 | 141.9 | 62.79 | 51.79 | 46.36 | 43.64 | 40.16 | 50.97 | 110.7 | 149.4 | 166.4 | 181.1 | 162.5 | 1207.8 |
| 1997-1998 | 138.1 | 63.57 | 50.44 | 43.88 | 42.09 | 42.42 | 52.51 | 122.4 | 145.4 | 165.9 | 181.2 | 173.4 | 1221.2 |
| 1998-1999 | 141.2 | 65.12 | 51.64 | 45.06 | 43.07 | 41.28 | 53.3 | 115.4 | 147.5 | 160.6 | 175 | 165.3 | 1204.6 |
| 1999-2000 | 137.1 | 63.86 | 48.92 | 43.93 | 40.8 | 41.65 | 52.43 | 120.4 | 149.3 | 170.3 | 182.7 | 169 | 1220.4 |
| 2000-2001 | 142.6 | 63.63 | 51.09 | 43.61 | 43.3 | 42.79 | 58.73 | 122 | 151 | 164.9 | 178.9 | 170.5 | 1233.1 |
| 2001-2002 | 143.4 | 65.6 | 49.7 | 43.79 | 40.65 | 44.36 | 56.79 | 119.2 | 148.1 | 166.7 | 182.6 | 168.9 | 1229.7 |
| 2002-2003 | 141.3 | 65.18 | 51.79 | 42.17 | 45.04 | 40.22 | 51.88 | 118.3 | 157.4 | 167.6 | 182 | 171.8 | 1234.7 |
| 2003-2004 | 141.4 | 64.65 | 49.93 | 43.15 | 41.43 | 41.14 | 55.88 | 120.3 | 147.1 | 165.6 | 181.6 | 168.9 | 1221.2 |
| 2004-2005 | 142.9 | 66.67 | 50.05 | 42.23 | 42.84 | 40.93 | 55.54 | 121.1 | 148.3 | 162.2 | 179.2 | 168.3 | 1220.1 |
| 2005-2006 | 143.3 | 62.92 | 47.96 | 44.21 | 41.56 | 42.24 | 54.94 | 123.1 | 149.8 | 166 | 179.5 | 171.4 | 1226.9 |
| 2006-2007 | 144.4 | 64.16 | 48.13 | 42.87 | 42.48 | 42.61 | 55.28 | 119.2 | 150.1 | 169.7 | 183.3 | 170.9 | 1233.1 |
| 2007-2008 | 142.5 | 66.08 | 50.52 | 43.37 | 40.64 | 40.96 | 58.13 | 124.3 | 149.3 | 169.1 | 181.2 | 172.6 | 1238.7 |
| 2008-2009 | 142.2 | 64.11 | 52.26 | 44.25 | 43.24 | 42.24 | 53.68 | 119.9 | 147.6 | 169.4 | 180.8 | 169.3 | 1229.0 |
| 2009-2010 | 139.5 | 65.73 | 49.53 | 45.8 | 44.98 | 43.66 | 56.22 | 122.8 | 149.5 | 163 | 176.5 | 174.7 | 1231.9 |
| 2010-2011 | 144.8 | 64.91 | 52.52 | 46.64 | 43.11 | 42.37 | 54.39 | 117.5 | 145.5 | 164.5 | 179.5 | 170.3 | 1226.0 |
| 2011-2012 | 144 | 62.92 | 46.61 | 42.51 | 40.97 | 40 | 52.07 | 120.2 | 146 | 167 | 184.4 | 173.3 | 1220.0 |
| 2012-2013 | 143 | 64.87 | 51.35 | 44.04 | 42.28 | 43.65 | 55.47 | 122.6 | 153.6 | 165.1 | 178.6 | 171.1 | 1235.7 |
| 2013-2014 | 140.9 | 62.11 | 51.56 | 41.61 | 44.71 | 43.4 | 56.33 | 121.6 | 146 | 164.1 | 176.4 | 169.5 | 1218.3 |
| 2014-2015 | 141.6 | 63.5 | 48.75 | 45.54 | 41.63 | 41.22 | 55.23 | 115.9 | 148.4 | 159.2 | 177.1 | 171.3 | 1209.4 |
| AVERAGE | 140.5 | 63.7 | 49.0 | 43.1 | 41.9 | 41.2 | 53.6 | 118.7 | 147.0 | 164.0 | 177.7 | 168.2 | |

**Table A. 25** Beylerbeyi station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116.4 | 93.4 | 56.13 | 43.68 | 43.01 | 50.23 | 81.49 | 99.81 | 131 | 149.2 | 158.1 | 145.1 | 1167.7 |
| 1979-1980 | 120.3 | 94.31 | 62.93 | 41.35 | 38.81 | 44.97 | 77.02 | 97.59 | 128.6 | 149.6 | 158.7 | 152.1 | 1166.3 |
| 1980-1981 | 118.3 | 91.77 | 59.58 | 43.27 | 41.4 | 47.69 | 82.87 | 103.5 | 129.5 | 156 | 163 | 150.9 | 1187.8 |
| 1981-1982 | 123.5 | 97.96 | 54.87 | 46.17 | 43.81 | 44.28 | 75.38 | 99.95 | 129.7 | 148.6 | 155.8 | 146.7 | 1166.7 |
| 1982-1983 | 120 | 92.14 | 53.21 | 39.31 | 37.43 | 44.18 | 76.9 | 99.82 | 131.8 | 146.6 | 157.1 | 145.3 | 1143.9 |
| 1983-1984 | 117.5 | 88.72 | 60.62 | 44.14 | 44.43 | 49.59 | 80.71 | 98.8 | 134.4 | 148.5 | 157.6 | 143.2 | 1168.2 |
| 1984-1985 | 116.2 | 91.92 | 53.85 | 38.3 | 44.78 | 43.94 | 77.42 | 101.1 | 133.6 | 148.2 | 157.4 | 147.4 | 1154.1 |
| 1985-1986 | 118.3 | 87.39 | 59.59 | 41.41 | 43.44 | 49.5 | 81.64 | 105 | 128.8 | 149.4 | 157.3 | 145.7 | 1167.5 |
| 1986-1987 | 120.2 | 90.03 | 52.83 | 40 | 43.74 | 49.91 | 72.23 | 98.06 | 128.5 | 147.8 | 159.4 | 146.7 | 1149.4 |
| 1987-1988 | 119 | 88.31 | 55.47 | 41.49 | 41.78 | 46.64 | 77.73 | 100.9 | 133.1 | 149.6 | 163 | 148.5 | 1165.5 |
| 1988-1989 | 119.4 | 88.37 | 52.18 | 39.89 | 36.35 | 45.72 | 80.43 | 107.1 | 134.7 | 147.7 | 159.4 | 146.5 | 1157.8 |
| 1989-1990 | 118.5 | 89.36 | 58.73 | 44.4 | 40.32 | 48.27 | 81.62 | 102.2 | 132.5 | 149 | 158.3 | 147.4 | 1170.7 |
| 1990-1991 | 118.8 | 94.37 | 62.08 | 46.12 | 43.95 | 48.23 | 83.82 | 103.2 | 130.7 | 149.8 | 156.9 | 146.5 | 1184.5 |
| 1991-1992 | 119.2 | 94.39 | 59.47 | 39.18 | 39.37 | 40.35 | 74.58 | 98.69 | 129.7 | 147 | 155.4 | 148.9 | 1146.3 |
| 1992-1993 | 118.9 | 93.82 | 58.17 | 36.93 | 40.81 | 44.12 | 77.44 | 99.93 | 127.3 | 150.2 | 159.2 | 149.9 | 1156.7 |
| 1993-1994 | 120 | 98.9 | 57.62 | 46.71 | 47.74 | 50.42 | 81.42 | 105.3 | 134.6 | 150.5 | 158.6 | 149.8 | 1201.5 |
| 1994-1995 | 124.3 | 99.68 | 58.71 | 41.1 | 46.09 | 51.28 | 82.62 | 101 | 133.3 | 152.5 | 160.1 | 148.5 | 1199.0 |
| 1995-1996 | 120.2 | 92.08 | 54.16 | 41.69 | 42.42 | 51.05 | 80.9 | 99.56 | 136.4 | 152.8 | 161.8 | 150.6 | 1183.7 |
| 1996-1997 | 121.6 | 92.14 | 63.98 | 49.34 | 46.31 | 46.76 | 77.13 | 96.52 | 134.3 | 152.2 | 162.4 | 145.4 | 1188.1 |
| 1997-1998 | 118.8 | 93.32 | 61.74 | 44.98 | 43.65 | 50.3 | 79.35 | 104.5 | 131.8 | 151.9 | 162.5 | 152.7 | 1195.4 |
| 1998-1999 | 121 | 95.65 | 63.72 | 47.06 | 45.33 | 48.5 | 80.48 | 99.75 | 133.1 | 148.6 | 158.6 | 147.2 | 1189.1 |
| 1999-2000 | 118 | 93.74 | 59.19 | 45.07 | 41.46 | 49.08 | 79.22 | 103.2 | 134.3 | 154.6 | 163.4 | 149.7 | 1191.0 |
| 2000-2001 | 122.1 | 93.4 | 62.81 | 44.52 | 45.7 | 50.87 | 88.21 | 104.3 | 135.4 | 151.2 | 161 | 150.8 | 1210.3 |
| 2001-2002 | 122.6 | 96.4 | 60.49 | 44.84 | 41.22 | 53.33 | 85.43 | 102.3 | 133.5 | 152.3 | 163.4 | 149.7 | 1205.6 |
| 2002-2003 | 121.1 | 95.76 | 63.98 | 41.99 | 48.68 | 46.84 | 78.45 | 101.7 | 139.5 | 152.9 | 163 | 151.6 | 1205.6 |
| 2003-2004 | 121.2 | 94.95 | 60.88 | 43.69 | 42.53 | 48.29 | 84.13 | 103.1 | 132.9 | 151.7 | 162.8 | 149.7 | 1195.8 |
| 2004-2005 | 122.3 | 98 | 61.09 | 42.08 | 44.93 | 47.95 | 83.65 | 103.6 | 133.7 | 149.5 | 161.2 | 149.2 | 1197.3 |
| 2005-2006 | 122.5 | 92.33 | 57.61 | 45.57 | 42.75 | 50.01 | 82.8 | 105 | 134.6 | 151.9 | 161.4 | 151.3 | 1198.0 |
| 2006-2007 | 123.4 | 94.22 | 57.9 | 43.22 | 44.31 | 50.58 | 83.29 | 102.3 | 134.8 | 154.2 | 163.8 | 151 | 1203.1 |
| 2007-2008 | 122 | 97.12 | 61.88 | 44.1 | 41.19 | 47.99 | 87.36 | 105.8 | 134.3 | 153.9 | 162.5 | 152.1 | 1210.2 |
| 2008-2009 | 121.8 | 94.15 | 64.77 | 45.64 | 45.63 | 50 | 81 | 102.8 | 133.2 | 154 | 162.3 | 149.9 | 1205.2 |
| 2009-2010 | 119.8 | 96.6 | 60.22 | 48.35 | 48.59 | 52.24 | 84.63 | 104.9 | 134.4 | 150.1 | 159.5 | 153.5 | 1212.8 |
| 2010-2011 | 123.7 | 95.35 | 65.18 | 49.83 | 45.39 | 50.21 | 82 | 101.1 | 131.8 | 151 | 161.5 | 150.6 | 1207.6 |
| 2011-2012 | 123.1 | 92.32 | 55.35 | 42.59 | 41.75 | 46.49 | 78.7 | 103 | 132.2 | 152.6 | 164.5 | 152.6 | 1185.2 |
| 2012-2013 | 122.3 | 95.28 | 63.25 | 45.27 | 43.97 | 52.23 | 83.55 | 104.7 | 137.1 | 151.3 | 160.9 | 151.2 | 1211.0 |
| 2013-2014 | 120.8 | 91.1 | 63.61 | 41.02 | 48.12 | 51.83 | 84.78 | 104 | 132.2 | 150.7 | 159.5 | 150.1 | 1197.8 |
| 2014-2015 | 121.3 | 93.2 | 58.9 | 47.9 | 42.89 | 48.41 | 83.22 | 100 | 133.8 | 147.7 | 159.9 | 151.3 | 1188.6 |
| AVERAGE | 120.5 | 93.6 | 59.4 | 43.6 | 43.4 | 48.4 | 80.9 | 102.0 | 132.8 | 150.7 | 160.3 | 149.2 | |

**Table A. 26** Bogaz station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 99.1 | 70.8 | 37.0 | 29.8 | 28.2 | 33.3 | 49.3 | 69.2 | 105.4 | 149.0 | 172.0 | 148.0 | 991.0 |
| 1979-1980 | 107.4 | 71.9 | 44.9 | 28.2 | 25.4 | 28.4 | 45.4 | 65.6 | 102.3 | 152.2 | 178.6 | 171.3 | 1021.5 |
| 1980-1981 | 99.9 | 68.9 | 41.6 | 29.5 | 26.8 | 30.8 | 50.4 | 73.1 | 99.2 | 165.4 | 185.1 | 160.4 | 1031.0 |
| 1981-1982 | 110.1 | 77.4 | 36.2 | 32.2 | 27.9 | 27.0 | 42.1 | 66.7 | 101.0 | 146.2 | 162.9 | 153.7 | 983.4 |
| 1982-1983 | 107.9 | 68.6 | 33.7 | 26.4 | 23.5 | 27.2 | 44.1 | 65.5 | 106.7 | 134.9 | 170.9 | 148.5 | 958.1 |
| 1983-1984 | 102.9 | 63.6 | 42.5 | 29.5 | 28.5 | 32.7 | 49.4 | 66.2 | 117.1 | 148.0 | 169.5 | 138.0 | 988.0 |
| 1984-1985 | 95.9 | 70.8 | 36.5 | 27.6 | 29.2 | 27.3 | 46.0 | 72.1 | 115.8 | 145.6 | 174.3 | 155.6 | 996.7 |
| 1985-1986 | 104.7 | 61.9 | 41.3 | 28.6 | 27.9 | 32.0 | 49.4 | 77.0 | 99.3 | 147.4 | 169.9 | 149.7 | 989.2 |
| 1986-1987 | 109.4 | 65.7 | 34.2 | 27.2 | 28.2 | 32.1 | 39.4 | 65.1 | 102.1 | 143.5 | 182.2 | 152.6 | 981.6 |
| 1987-1988 | 103.6 | 62.2 | 37.6 | 28.7 | 27.3 | 29.8 | 45.5 | 70.4 | 111.5 | 147.3 | 192.2 | 158.2 | 1014.4 |
| 1988-1989 | 108.4 | 62.1 | 32.1 | 26.1 | 23.5 | 28.3 | 48.6 | 82.6 | 118.7 | 143.8 | 181.8 | 150.8 | 1006.8 |
| 1989-1990 | 100.9 | 62.7 | 39.1 | 29.2 | 24.9 | 30.2 | 49.5 | 72.1 | 108.5 | 144.3 | 167.0 | 150.8 | 979.3 |
| 1990-1991 | 95.1 | 71.4 | 40.3 | 29.3 | 25.8 | 29.4 | 52.9 | 73.2 | 104.6 | 148.1 | 166.5 | 146.1 | 982.6 |
| 1991-1992 | 100.0 | 72.0 | 38.5 | 24.9 | 23.7 | 22.9 | 37.9 | 61.4 | 98.0 | 127.9 | 153.6 | 164.7 | 925.4 |
| 1992-1993 | 99.7 | 68.8 | 37.6 | 23.5 | 25.2 | 26.6 | 43.8 | 66.0 | 91.9 | 149.5 | 177.1 | 165.6 | 975.4 |
| 1993-1994 | 105.1 | 79.5 | 37.1 | 30.5 | 29.7 | 31.4 | 46.4 | 74.6 | 111.1 | 148.8 | 174.8 | 163.9 | 1032.8 |
| 1994-1995 | 112.1 | 74.0 | 35.1 | 23.7 | 24.9 | 28.9 | 43.9 | 60.7 | 102.8 | 159.6 | 185.9 | 159.0 | 1010.7 |
| 1995-1996 | 106.0 | 67.3 | 33.5 | 27.5 | 26.7 | 33.1 | 48.4 | 67.3 | 126.0 | 170.1 | 190.0 | 163.9 | 1059.8 |
| 1996-1997 | 104.2 | 62.1 | 41.7 | 30.3 | 26.6 | 25.7 | 39.4 | 57.4 | 117.8 | 151.1 | 195.4 | 152.8 | 1004.5 |
| 1997-1998 | 93.6 | 64.3 | 39.8 | 28.6 | 26.9 | 31.9 | 45.3 | 77.9 | 110.9 | 174.5 | 211.6 | 192.0 | 1097.3 |
| 1998-1999 | 113.1 | 76.9 | 45.0 | 32.0 | 28.7 | 32.8 | 51.0 | 71.4 | 118.2 | 158.1 | 183.1 | 158.8 | 1069.3 |
| 1999-2000 | 109.8 | 73.9 | 41.7 | 32.0 | 24.6 | 29.8 | 44.0 | 73.2 | 116.1 | 179.0 | 218.1 | 169.4 | 1111.6 |
| 2000-2001 | 111.7 | 70.3 | 42.1 | 28.6 | 28.9 | 32.3 | 58.5 | 77.9 | 126.2 | 172.2 | 199.4 | 168.8 | 1116.9 |
| 2001-2002 | 109.6 | 71.3 | 39.2 | 28.3 | 25.9 | 36.0 | 56.4 | 74.7 | 121.7 | 178.8 | 214.1 | 177.4 | 1133.4 |
| 2002-2003 | 115.2 | 74.5 | 42.3 | 26.8 | 30.4 | 27.0 | 44.6 | 69.8 | 140.7 | 171.3 | 207.7 | 180.4 | 1130.8 |
| 2003-2004 | 110.2 | 73.4 | 42.2 | 28.9 | 25.6 | 29.7 | 51.2 | 72.7 | 115.8 | 162.6 | 196.7 | 154.6 | 1063.7 |
| 2004-2005 | 104.7 | 72.9 | 37.6 | 26.1 | 26.8 | 27.8 | 47.6 | 73.0 | 111.7 | 148.3 | 189.7 | 161.7 | 1028.0 |
| 2005-2006 | 109.9 | 62.0 | 35.2 | 28.7 | 25.1 | 29.8 | 46.5 | 74.6 | 116.7 | 169.7 | 196.3 | 183.2 | 1077.9 |
| 2006-2007 | 115.2 | 69.9 | 37.2 | 27.4 | 26.0 | 31.4 | 49.6 | 71.2 | 123.9 | 180.0 | 210.4 | 176.7 | 1119.0 |
| 2007-2008 | 112.6 | 75.6 | 40.1 | 27.6 | 24.3 | 29.1 | 56.8 | 77.6 | 113.8 | 174.4 | 191.8 | 172.1 | 1095.8 |
| 2008-2009 | 106.2 | 66.3 | 42.8 | 29.0 | 28.7 | 29.9 | 46.2 | 71.7 | 116.0 | 180.3 | 209.0 | 167.7 | 1093.9 |
| 2009-2010 | 104.7 | 75.7 | 39.9 | 30.2 | 28.7 | 32.0 | 52.1 | 76.9 | 110.2 | 139.0 | 164.2 | 171.4 | 1024.9 |
| 2010-2011 | 108.2 | 67.2 | 45.0 | 30.2 | 26.9 | 30.2 | 46.4 | 65.4 | 100.9 | 144.3 | 174.5 | 157.8 | 997.1 |
| 2011-2012 | 107.4 | 61.7 | 32.7 | 26.7 | 24.2 | 26.8 | 43.2 | 70.8 | 101.6 | 155.0 | 191.5 | 166.9 | 1008.5 |
| 2012-2013 | 104.7 | 69.3 | 40.5 | 28.0 | 25.9 | 31.7 | 47.6 | 73.4 | 121.4 | 148.1 | 172.1 | 163.2 | 1025.8 |
| 2013-2014 | 99.9 | 62.3 | 41.5 | 24.8 | 28.8 | 31.6 | 50.1 | 69.6 | 101.7 | 148.5 | 164.5 | 150.6 | 973.9 |
| 2014-2015 | 98.8 | 63.8 | 36.4 | 30.0 | 25.0 | 28.1 | 47.7 | 62.8 | 108.6 | 132.1 | 171.5 | 159.8 | 964.5 |
| AVERAGE | 105.6 | 69.0 | 39.0 | 28.3 | 26.6 | 29.9 | 47.5 | 70.6 | 111.3 | 155.1 | 184.2 | 161.8 | |

**Table A. 27** Bogaz station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114.1 | 85.1 | 38.3 | 25.9 | 19.8 | 26.4 | 33.9 | 54.3 | 85.3 | 144.9 | 164.1 | 149.6 | 941.5 |
| 1979-1980 | 123.1 | 84.5 | 54.3 | 21.9 | 14.2 | 16.1 | 26.8 | 47.1 | 78.8 | 144.4 | 166.3 | 171.5 | 949.1 |
| 1980-1981 | 108.6 | 76.7 | 45.6 | 23.9 | 16.2 | 19.9 | 33.6 | 56.9 | 72.8 | 155.8 | 168.2 | 154.7 | 932.9 |
| 1981-1982 | 135.2 | 100.2 | 37.5 | 32.0 | 19.9 | 14.3 | 22.9 | 51.9 | 82.0 | 145.7 | 158.3 | 161.1 | 961.0 |
| 1982-1983 | 147.0 | 93.5 | 35.6 | 21.8 | 13.0 | 16.5 | 29.2 | 55.6 | 99.6 | 145.5 | 186.8 | 172.3 | 1016.5 |
| 1983-1984 | 119.9 | 71.6 | 50.6 | 25.2 | 20.4 | 25.0 | 34.0 | 49.5 | 100.0 | 143.3 | 160.9 | 137.1 | 937.4 |
| 1984-1985 | 111.5 | 87.1 | 38.0 | 21.8 | 22.1 | 14.8 | 29.1 | 60.2 | 100.6 | 143.6 | 170.2 | 162.1 | 961.3 |
| 1985-1986 | 123.4 | 68.8 | 48.2 | 23.5 | 19.3 | 23.8 | 34.2 | 66.9 | 77.7 | 143.4 | 162.3 | 152.2 | 943.9 |
| 1986-1987 | 139.9 | 81.5 | 34.5 | 22.1 | 21.2 | 25.6 | 19.4 | 51.3 | 86.9 | 148.2 | 188.5 | 166.6 | 985.6 |
| 1987-1988 | 121.2 | 69.0 | 39.7 | 23.7 | 18.2 | 19.2 | 27.7 | 56.2 | 93.1 | 142.7 | 186.3 | 161.7 | 958.7 |
| 1988-1989 | 133.9 | 71.8 | 28.4 | 19.0 | 11.9 | 17.0 | 34.1 | 78.5 | 106.2 | 143.8 | 182.0 | 159.1 | 985.6 |
| 1989-1990 | 122.5 | 73.5 | 45.1 | 25.9 | 14.5 | 21.1 | 35.9 | 61.6 | 93.4 | 145.3 | 165.7 | 160.1 | 964.6 |
| 1990-1991 | 110.0 | 88.0 | 46.6 | 25.3 | 15.7 | 18.9 | 40.7 | 61.8 | 85.8 | 146.5 | 160.8 | 150.2 | 950.4 |
| 1991-1992 | 145.3 | 110.1 | 52.7 | 19.9 | 14.7 | 8.7 | 19.9 | 52.7 | 94.5 | 147.2 | 178.6 | 211.7 | 1055.7 |
| 1992-1993 | 129.5 | 91.9 | 44.7 | 15.0 | 16.0 | 14.8 | 28.0 | 55.4 | 75.8 | 163.7 | 190.6 | 191.2 | 1016.6 |
| 1993-1994 | 113.0 | 92.2 | 35.0 | 25.1 | 20.9 | 20.5 | 26.8 | 57.5 | 84.9 | 132.4 | 153.3 | 154.5 | 916.2 |
| 1994-1995 | 140.3 | 95.1 | 35.6 | 14.2 | 14.4 | 18.4 | 26.3 | 42.7 | 85.6 | 165.5 | 187.5 | 169.9 | 995.5 |
| 1995-1996 | 115.5 | 72.7 | 28.0 | 19.5 | 15.9 | 24.0 | 30.1 | 47.5 | 103.1 | 158.6 | 170.5 | 156.1 | 941.5 |
| 1996-1997 | 127.4 | 72.0 | 51.2 | 28.3 | 17.5 | 12.0 | 18.8 | 37.2 | 105.3 | 154.1 | 198.1 | 162.0 | 983.9 |
| 1997-1998 | 92.2 | 63.8 | 38.7 | 20.5 | 15.4 | 20.5 | 24.0 | 59.5 | 81.0 | 154.4 | 181.2 | 175.0 | 926.2 |
| 1998-1999 | 113.1 | 80.0 | 46.7 | 25.6 | 17.5 | 21.1 | 30.7 | 48.2 | 85.1 | 130.4 | 147.6 | 135.9 | 881.9 |
| 1999-2000 | 109.2 | 75.8 | 40.6 | 25.6 | 11.2 | 16.0 | 21.2 | 50.8 | 83.2 | 152.3 | 179.1 | 146.6 | 911.6 |
| 2000-2001 | 105.6 | 66.3 | 39.1 | 18.6 | 17.0 | 19.1 | 39.0 | 53.8 | 88.7 | 137.6 | 154.1 | 138.3 | 877.2 |
| 2001-2002 | 102.9 | 67.7 | 34.0 | 18.1 | 12.5 | 25.1 | 36.2 | 49.7 | 84.3 | 143.7 | 166.1 | 145.8 | 886.2 |
| 2002-2003 | 112.4 | 74.2 | 40.4 | 16.0 | 19.6 | 11.2 | 21.3 | 44.8 | 105.0 | 140.0 | 164.9 | 152.2 | 902.0 |
| 2003-2004 | 116.2 | 79.4 | 44.2 | 21.3 | 13.5 | 16.9 | 32.8 | 53.1 | 87.6 | 143.5 | 169.6 | 139.8 | 917.8 |
| 2004-2005 | 119.5 | 86.6 | 38.5 | 17.8 | 16.8 | 15.1 | 30.2 | 58.7 | 90.8 | 140.1 | 178.8 | 161.4 | 954.4 |
| 2005-2006 | 119.5 | 62.7 | 31.2 | 21.7 | 13.1 | 17.5 | 26.8 | 57.3 | 91.2 | 156.0 | 174.4 | 173.9 | 945.3 |
| 2006-2007 | 116.1 | 69.6 | 32.1 | 17.6 | 13.4 | 18.8 | 28.9 | 48.1 | 91.3 | 153.3 | 172.5 | 153.5 | 915.3 |
| 2007-2008 | 114.0 | 79.1 | 38.1 | 18.0 | 10.9 | 15.1 | 39.3 | 57.1 | 81.6 | 149.2 | 157.7 | 150.8 | 910.9 |
| 2008-2009 | 107.3 | 65.7 | 43.9 | 20.9 | 18.0 | 16.8 | 24.8 | 49.9 | 85.1 | 157.6 | 175.5 | 148.6 | 914.2 |
| 2009-2010 | 112.3 | 85.8 | 40.8 | 24.6 | 19.0 | 21.7 | 35.2 | 60.7 | 83.8 | 120.5 | 142.0 | 162.0 | 908.4 |
| 2010-2011 | 127.0 | 77.6 | 55.9 | 26.6 | 17.2 | 19.9 | 28.9 | 47.9 | 78.8 | 137.5 | 165.3 | 159.8 | 942.6 |
| 2011-2012 | 136.2 | 73.0 | 30.7 | 20.9 | 13.5 | 14.5 | 25.7 | 61.0 | 86.0 | 163.5 | 198.7 | 183.9 | 1007.5 |
| 2012-2013 | 116.5 | 78.0 | 43.6 | 21.1 | 14.8 | 21.9 | 29.5 | 57.8 | 100.1 | 136.2 | 155.8 | 159.0 | 934.3 |
| 2013-2014 | 121.6 | 73.0 | 51.1 | 16.6 | 21.9 | 24.0 | 37.0 | 57.8 | 84.6 | 151.9 | 163.6 | 160.7 | 963.9 |
| 2014-2015 | 126.0 | 80.0 | 40.9 | 29.1 | 15.4 | 17.8 | 34.5 | 48.8 | 98.7 | 135.9 | 180.7 | 180.8 | 988.7 |
| AVERAGE | 120.2 | 79.0 | 41.1 | 22.0 | 16.4 | 18.7 | 29.7 | 54.3 | 89.1 | 146.4 | 171.0 | 160.3 | |

**Table A. 28** Bogaz station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 176.3 | 172 | 139.9 | 135.8 | 128.3 | 119.5 | 136.2 | 143 | 164.1 | 179 | 195.1 | 193.9 | 1883.2 |
| 1979-1980 | 181.8 | 173.1 | 153.1 | 132 | 120.9 | 109.4 | 130.5 | 139.3 | 161.9 | 180.5 | 197.8 | 204.2 | 1884.5 |
| 1980-1981 | 176.9 | 170 | 147.9 | 135.1 | 124.7 | 114.4 | 137.8 | 146.7 | 159.8 | 186.2 | 200.2 | 199.6 | 1899.3 |
| 1981-1982 | 183.5 | 178.2 | 138.4 | 141.3 | 127.7 | 106.1 | 125.1 | 140.5 | 161.1 | 177.8 | 191.3 | 196.6 | 1867.6 |
| 1982-1983 | 182.1 | 169.7 | 133.5 | 127.3 | 115.6 | 106.6 | 128.4 | 139.2 | 165 | 172.3 | 194.6 | 194.2 | 1828.6 |
| 1983-1984 | 178.9 | 164.4 | 149.4 | 135.1 | 129.1 | 118.3 | 136.4 | 140 | 171.5 | 178.6 | 194 | 189.1 | 1884.7 |
| 1984-1985 | 174 | 172 | 139.1 | 130.3 | 130.8 | 106.9 | 131.3 | 145.7 | 170.7 | 177.5 | 196 | 197.6 | 1872.0 |
| 1985-1986 | 180.1 | 162.5 | 147.4 | 132.9 | 127.7 | 117 | 136.4 | 150.3 | 159.9 | 178.3 | 194.2 | 194.8 | 1881.4 |
| 1986-1987 | 183 | 166.7 | 134.7 | 129.4 | 128.3 | 117 | 120.4 | 138.8 | 161.8 | 176.5 | 199.1 | 196.1 | 1851.8 |
| 1987-1988 | 179.4 | 162.8 | 141.1 | 133.2 | 126.1 | 112.3 | 130.6 | 144.2 | 168.1 | 178.2 | 202.9 | 198.7 | 1877.8 |
| 1988-1989 | 182.4 | 162.8 | 130.2 | 126.3 | 115.6 | 109 | 135.3 | 155 | 172.4 | 176.7 | 198.9 | 195.3 | 1860.0 |
| 1989-1990 | 177.5 | 163.5 | 143.7 | 134.5 | 119.7 | 113.2 | 136.6 | 145.8 | 166.2 | 176.8 | 193 | 195.3 | 1865.7 |
| 1990-1991 | 173.5 | 172.6 | 145.7 | 134.5 | 122.1 | 111.5 | 141.3 | 146.8 | 163.6 | 178.6 | 192.8 | 193.1 | 1876.1 |
| 1991-1992 | 177 | 173.1 | 142.7 | 123.1 | 116.2 | 95.51 | 117.8 | 134.8 | 159 | 168.7 | 187.1 | 201.5 | 1796.5 |
| 1992-1993 | 176.7 | 170 | 141 | 119.2 | 120.4 | 105.1 | 127.9 | 139.9 | 154.4 | 179.3 | 197.1 | 201.9 | 1832.9 |
| 1993-1994 | 180.3 | 180.1 | 140.1 | 137.4 | 132.1 | 115.6 | 132.1 | 148.1 | 167.8 | 179 | 196.3 | 201.1 | 1909.9 |
| 1994-1995 | 184.8 | 175 | 136.4 | 119.7 | 119.7 | 110.5 | 128.2 | 134.1 | 162.3 | 183.7 | 200.5 | 199 | 1853.8 |
| 1995-1996 | 180.9 | 168.4 | 133.2 | 130.1 | 124.6 | 119 | 135 | 141.1 | 176.7 | 188.1 | 202.1 | 201.1 | 1900.3 |
| 1996-1997 | 179.7 | 162.7 | 148.2 | 137.1 | 124.1 | 102.9 | 120.4 | 130.2 | 171.9 | 180 | 204.1 | 196.2 | 1857.5 |
| 1997-1998 | 172.4 | 165.2 | 144.8 | 132.9 | 125.1 | 116.7 | 130.3 | 151.1 | 167.7 | 189.8 | 209.6 | 212.3 | 1918.0 |
| 1998-1999 | 185.4 | 177.8 | 153.2 | 140.9 | 129.6 | 118.5 | 138.7 | 145.1 | 172.1 | 183.1 | 199.5 | 198.9 | 1942.9 |
| 1999-2000 | 183.3 | 175 | 148 | 140.8 | 118.6 | 112.3 | 128.3 | 146.9 | 170.9 | 191.5 | 211.8 | 203.5 | 1931.0 |
| 2000-2001 | 184.5 | 171.4 | 148.8 | 132.9 | 130.1 | 117.4 | 148.3 | 151 | 176.8 | 188.9 | 205.5 | 203.2 | 1958.9 |
| 2001-2002 | 183.2 | 172.4 | 144 | 132.2 | 122.3 | 124.3 | 145.8 | 148.2 | 174.2 | 191.4 | 210.5 | 206.7 | 1955.3 |
| 2002-2003 | 186.6 | 175.6 | 149 | 128.3 | 133.6 | 106 | 129.3 | 143.6 | 184.4 | 188.6 | 208.4 | 207.9 | 1941.3 |
| 2003-2004 | 183.5 | 174.5 | 148.9 | 133.7 | 121.7 | 112.2 | 138.9 | 146.4 | 170.7 | 185 | 204.5 | 197 | 1917.1 |
| 2004-2005 | 180.1 | 174.1 | 141 | 126.5 | 124.8 | 108.1 | 133.8 | 146.6 | 168.1 | 178.7 | 202 | 200.2 | 1884.0 |
| 2005-2006 | 183.4 | 162.7 | 136.6 | 133.2 | 120.3 | 112.3 | 132.2 | 148.1 | 171.3 | 187.9 | 204.4 | 209 | 1901.2 |
| 2006-2007 | 186.6 | 171.1 | 140.2 | 129.9 | 122.7 | 115.8 | 136.7 | 145 | 175.5 | 191.9 | 209.3 | 206.4 | 1931.0 |
| 2007-2008 | 185 | 176.6 | 145.5 | 130.3 | 117.8 | 110.8 | 146.3 | 150.8 | 169.5 | 189.8 | 202.8 | 204.6 | 1929.7 |
| 2008-2009 | 181 | 167.4 | 149.9 | 134 | 129.7 | 112.7 | 131.7 | 145.4 | 170.8 | 192.1 | 208.8 | 202.8 | 1926.2 |
| 2009-2010 | 180.1 | 176.7 | 145 | 136.8 | 129.5 | 117 | 140.1 | 150.1 | 167.3 | 174.3 | 191.8 | 204.3 | 1913.0 |
| 2010-2011 | 182.3 | 168.3 | 153.3 | 136.9 | 125 | 113.2 | 132.1 | 139.2 | 161 | 176.9 | 196.1 | 198.5 | 1882.6 |
| 2011-2012 | 181.8 | 162.2 | 131.5 | 128 | 117.7 | 105.6 | 127 | 144.6 | 161.5 | 181.7 | 202.6 | 202.4 | 1846.6 |
| 2012-2013 | 180.1 | 170.5 | 146 | 131.5 | 122.4 | 116.4 | 133.8 | 147 | 174 | 178.6 | 195.1 | 200.9 | 1896.2 |
| 2013-2014 | 176.9 | 162.9 | 147.7 | 122.9 | 129.8 | 116.1 | 137.4 | 143.4 | 161.6 | 178.8 | 191.9 | 195.2 | 1864.6 |
| 2014-2015 | 176.1 | 164.6 | 138.8 | 136.3 | 119.9 | 108.7 | 133.9 | 136.4 | 166.2 | 170.8 | 194.9 | 199.3 | 1845.9 |
| AVERAGE | 180.6 | 170.0 | 143.2 | 132.0 | 124.2 | 112.3 | 133.3 | 144.1 | 167.6 | 181.5 | 199.6 | 200.1 | |

**Table A. 29** Bogaz station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.6 | 63.61 | 47.16 | 43.44 | 42.26 | 42.75 | 53.61 | 116.4 | 143.3 | 161.9 | 173.5 | 162.3 | 1185.8 |
| 1979-1980 | 139.8 | 64.03 | 51.58 | 42.21 | 39.82 | 39.13 | 51.36 | 113.4 | 141.4 | 163.2 | 175.9 | 170.9 | 1192.7 |
| 1980-1981 | 136 | 62.9 | 49.83 | 43.23 | 41.06 | 40.94 | 54.21 | 119.4 | 139.6 | 168.3 | 178.1 | 167 | 1200.7 |
| 1981-1982 | 141.1 | 65.94 | 46.64 | 45.22 | 42.05 | 37.96 | 49.23 | 114.3 | 140.7 | 160.7 | 170.1 | 164.5 | 1178.5 |
| 1982-1983 | 140.1 | 62.81 | 45 | 40.73 | 38.06 | 38.16 | 50.54 | 113.3 | 144.1 | 155.8 | 173.1 | 162.5 | 1164.1 |
| 1983-1984 | 137.6 | 60.82 | 50.33 | 43.21 | 42.54 | 42.31 | 53.68 | 114 | 149.8 | 161.5 | 172.6 | 158.2 | 1186.4 |
| 1984-1985 | 133.8 | 63.63 | 46.87 | 41.71 | 43.08 | 38.23 | 51.69 | 118.6 | 149.1 | 160.5 | 174.3 | 165.3 | 1186.8 |
| 1985-1986 | 138.5 | 60.11 | 49.68 | 42.52 | 42.03 | 41.86 | 53.66 | 122.3 | 139.6 | 161.2 | 172.7 | 163 | 1187.3 |
| 1986-1987 | 140.8 | 61.68 | 45.36 | 41.39 | 42.26 | 41.87 | 47.38 | 113 | 141.3 | 159.6 | 177.1 | 164.1 | 1175.8 |
| 1987-1988 | 137.9 | 60.22 | 47.55 | 42.62 | 41.54 | 40.19 | 51.4 | 117.3 | 146.8 | 161.2 | 180.4 | 166.2 | 1193.5 |
| 1988-1989 | 140.3 | 60.21 | 43.88 | 40.43 | 38.08 | 39.01 | 53.23 | 126.2 | 150.6 | 159.7 | 176.9 | 163.4 | 1192.0 |
| 1989-1990 | 136.5 | 60.46 | 48.42 | 43.01 | 39.42 | 40.55 | 53.75 | 118.6 | 145.1 | 159.9 | 171.6 | 163.4 | 1180.8 |
| 1990-1991 | 133.4 | 63.84 | 49.1 | 43.05 | 40.22 | 39.91 | 55.59 | 119.5 | 142.8 | 161.5 | 171.4 | 161.6 | 1181.9 |
| 1991-1992 | 136.1 | 64.05 | 48.08 | 39.38 | 38.29 | 34.18 | 46.31 | 109.7 | 138.8 | 152.5 | 166.4 | 168.6 | 1142.4 |
| 1992-1993 | 135.9 | 62.89 | 47.53 | 38.15 | 39.65 | 37.62 | 50.33 | 113.8 | 134.8 | 162.1 | 175.3 | 168.9 | 1167.1 |
| 1993-1994 | 138.7 | 66.63 | 47.19 | 43.95 | 43.51 | 41.38 | 51.96 | 120.5 | 146.5 | 161.8 | 174.5 | 168.3 | 1205.0 |
| 1994-1995 | 142.1 | 64.76 | 45.95 | 38.3 | 39.4 | 39.54 | 50.42 | 109.1 | 141.8 | 166.1 | 178.3 | 166.5 | 1182.3 |
| 1995-1996 | 139.1 | 62.29 | 44.86 | 41.61 | 41.04 | 42.59 | 53.13 | 114.9 | 154.3 | 170.1 | 179.7 | 168.3 | 1211.9 |
| 1996-1997 | 138.2 | 60.19 | 49.93 | 43.86 | 40.88 | 36.82 | 47.38 | 106 | 150.1 | 162.8 | 181.5 | 164.2 | 1181.8 |
| 1997-1998 | 132.6 | 61.13 | 48.8 | 42.52 | 41.21 | 41.75 | 51.28 | 123 | 146.4 | 171.6 | 186.5 | 177.6 | 1224.4 |
| 1998-1999 | 142.5 | 65.78 | 51.64 | 45.09 | 42.68 | 42.42 | 54.57 | 118.1 | 150.4 | 165.6 | 177.4 | 166.5 | 1222.6 |
| 1999-2000 | 141 | 64.74 | 49.88 | 45.05 | 39.07 | 40.18 | 50.47 | 119.5 | 149.2 | 173.2 | 188.4 | 170.3 | 1231.0 |
| 2000-2001 | 141.9 | 63.42 | 50.13 | 42.52 | 42.87 | 42.03 | 58.35 | 122.9 | 154.4 | 170.8 | 182.7 | 170.1 | 1242.1 |
| 2001-2002 | 140.9 | 63.79 | 48.5 | 42.3 | 40.28 | 44.48 | 57.36 | 120.6 | 152.1 | 173.1 | 187.2 | 173 | 1243.6 |
| 2002-2003 | 143.5 | 64.95 | 50.21 | 41.04 | 44 | 37.95 | 50.86 | 116.9 | 161.1 | 170.5 | 185.3 | 174 | 1240.2 |
| 2003-2004 | 141.2 | 64.55 | 50.18 | 42.76 | 40.06 | 40.16 | 54.66 | 119.2 | 149.1 | 167.3 | 181.9 | 164.9 | 1215.8 |
| 2004-2005 | 138.5 | 64.39 | 47.52 | 40.45 | 41.11 | 38.67 | 52.63 | 119.4 | 146.8 | 161.6 | 179.6 | 167.5 | 1198.2 |
| 2005-2006 | 141 | 60.17 | 46.04 | 42.63 | 39.6 | 40.18 | 52 | 120.5 | 149.6 | 169.9 | 181.8 | 174.9 | 1218.3 |
| 2006-2007 | 143.5 | 63.29 | 47.25 | 41.56 | 40.39 | 41.43 | 53.8 | 118 | 153.2 | 173.5 | 186.1 | 172.7 | 1234.9 |
| 2007-2008 | 142.3 | 65.33 | 49.02 | 41.7 | 38.78 | 39.64 | 57.55 | 122.7 | 148 | 171.6 | 180.3 | 171.2 | 1228.2 |
| 2008-2009 | 139.2 | 61.92 | 50.51 | 42.87 | 42.72 | 40.32 | 51.83 | 118.3 | 149.2 | 173.7 | 185.7 | 169.7 | 1225.9 |
| 2009-2010 | 138.5 | 65.36 | 48.87 | 43.78 | 42.65 | 41.86 | 55.12 | 122.2 | 146 | 157.6 | 170.6 | 171 | 1203.5 |
| 2010-2011 | 140.2 | 62.24 | 51.66 | 43.78 | 41.17 | 40.53 | 51.95 | 113.3 | 140.6 | 159.9 | 174.4 | 166.1 | 1185.8 |
| 2011-2012 | 139.8 | 60.01 | 44.3 | 40.96 | 38.75 | 37.78 | 49.95 | 117.7 | 141 | 164.3 | 180.2 | 169.4 | 1184.2 |
| 2012-2013 | 138.5 | 63.06 | 49.21 | 42.06 | 40.29 | 41.65 | 52.63 | 119.7 | 152 | 161.5 | 173.5 | 168.1 | 1202.1 |
| 2013-2014 | 136 | 60.27 | 49.78 | 39.34 | 42.75 | 41.53 | 54.04 | 116.7 | 141.1 | 161.7 | 170.7 | 163.4 | 1177.3 |
| 2014-2015 | 135.4 | 60.9 | 46.75 | 43.6 | 39.49 | 38.89 | 52.69 | 111 | 145.1 | 154.5 | 173.3 | 166.8 | 1168.5 |
| AVERAGE | 138.9 | 62.9 | 48.2 | 42.2 | 40.9 | 40.2 | 52.4 | 117.3 | 146.4 | 164.1 | 177.5 | 167.4 | |

**Table A. 30** Bogaz station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115 | 91.95 | 55.35 | 43.48 | 43.12 | 49.85 | 79.29 | 98.47 | 128 | 146.7 | 155 | 142.8 | 1149.1 |
| 1979-1980 | 118.1 | 92.59 | 62.73 | 41.33 | 38.95 | 44.19 | 76.08 | 96.4 | 126.8 | 147.6 | 156.5 | 148.6 | 1149.9 |
| 1980-1981 | 115.4 | 90.84 | 59.79 | 43.13 | 41.07 | 47.02 | 80.18 | 100.6 | 125.6 | 150.7 | 157.9 | 146 | 1158.2 |
| 1981-1982 | 119.1 | 95.47 | 54.49 | 46.57 | 42.78 | 42.33 | 73.05 | 97.07 | 126.3 | 146 | 152.8 | 144.3 | 1140.4 |
| 1982-1983 | 118.3 | 90.71 | 51.75 | 38.7 | 35.98 | 42.63 | 74.91 | 96.35 | 128.5 | 143 | 154.7 | 143 | 1118.5 |
| 1983-1984 | 116.5 | 87.71 | 60.62 | 43.07 | 43.57 | 49.16 | 79.39 | 96.81 | 132.2 | 146.5 | 154.4 | 140.1 | 1150.0 |
| 1984-1985 | 113.8 | 92 | 54.85 | 40.43 | 44.51 | 42.77 | 76.53 | 100 | 131.7 | 145.9 | 155.5 | 144.9 | 1142.8 |
| 1985-1986 | 117.2 | 86.64 | 59.55 | 41.87 | 42.75 | 48.44 | 79.36 | 102.6 | 125.7 | 146.3 | 154.5 | 143.3 | 1148.1 |
| 1986-1987 | 118.8 | 88.99 | 52.37 | 39.89 | 43.13 | 48.46 | 70.4 | 96.1 | 126.7 | 145.3 | 157.2 | 144.1 | 1131.5 |
| 1987-1988 | 116.8 | 86.82 | 56 | 42.05 | 41.9 | 45.84 | 76.15 | 99.13 | 130.3 | 146.3 | 159.4 | 145.5 | 1146.1 |
| 1988-1989 | 118.5 | 86.79 | 49.88 | 38.18 | 35.99 | 43.98 | 78.74 | 105.2 | 132.7 | 145.4 | 157.1 | 143.6 | 1136.1 |
| 1989-1990 | 115.7 | 87.19 | 57.45 | 42.75 | 38.26 | 46.35 | 79.49 | 100 | 129.2 | 145.5 | 153.8 | 143.6 | 1139.3 |
| 1990-1991 | 113.5 | 92.29 | 58.57 | 42.79 | 39.64 | 45.4 | 82.14 | 100.6 | 127.7 | 146.5 | 153.7 | 142.3 | 1145.1 |
| 1991-1992 | 115.4 | 92.61 | 56.87 | 36.37 | 36.35 | 36.4 | 68.92 | 93.88 | 125.1 | 140.9 | 150.5 | 147.1 | 1100.5 |
| 1992-1993 | 115.3 | 90.86 | 55.96 | 34.19 | 38.65 | 41.78 | 74.61 | 96.71 | 122.6 | 146.9 | 156.1 | 147.3 | 1120.9 |
| 1993-1994 | 117.3 | 96.53 | 55.42 | 44.38 | 45.26 | 47.69 | 76.95 | 101.3 | 130.1 | 146.7 | 155.6 | 146.9 | 1164.1 |
| 1994-1995 | 119.8 | 93.67 | 53.34 | 34.46 | 38.26 | 44.8 | 74.76 | 93.45 | 127 | 149.4 | 158 | 145.7 | 1132.6 |
| 1995-1996 | 117.6 | 89.94 | 51.53 | 40.28 | 41.05 | 49.59 | 78.61 | 97.41 | 135.1 | 151.8 | 158.9 | 146.9 | 1158.7 |
| 1996-1997 | 117 | 86.75 | 59.96 | 44.23 | 40.76 | 40.55 | 70.41 | 91.29 | 132.4 | 147.3 | 160 | 144.1 | 1134.7 |
| 1997-1998 | 112.9 | 88.17 | 58.09 | 41.87 | 41.34 | 48.26 | 75.97 | 103 | 130 | 152.8 | 163.1 | 153.1 | 1168.7 |
| 1998-1999 | 120.1 | 95.24 | 62.8 | 46.37 | 43.84 | 49.31 | 80.67 | 99.67 | 132.5 | 149 | 157.4 | 145.6 | 1182.7 |
| 1999-2000 | 119 | 93.66 | 59.89 | 46.3 | 37.69 | 45.8 | 74.85 | 100.6 | 131.8 | 153.8 | 164.3 | 148.2 | 1175.9 |
| 2000-2001 | 119.6 | 91.67 | 60.3 | 41.86 | 44.14 | 48.71 | 86.05 | 103 | 135.1 | 152.3 | 160.8 | 148.1 | 1191.6 |
| 2001-2002 | 118.9 | 92.23 | 57.6 | 41.48 | 39.75 | 52.56 | 84.64 | 101.4 | 133.7 | 153.7 | 163.6 | 150 | 1189.6 |
| 2002-2003 | 120.8 | 93.99 | 60.43 | 39.28 | 46.09 | 42.31 | 75.38 | 98.81 | 139.4 | 152.1 | 162.4 | 150.7 | 1181.7 |
| 2003-2004 | 119.1 | 93.38 | 60.39 | 42.29 | 39.38 | 45.79 | 80.8 | 100.4 | 131.7 | 150.1 | 160.3 | 144.6 | 1168.2 |
| 2004-2005 | 117.2 | 93.13 | 55.96 | 38.25 | 41.17 | 43.44 | 77.91 | 100.5 | 130.3 | 146.6 | 158.8 | 146.4 | 1149.6 |
| 2005-2006 | 119 | 86.74 | 53.48 | 42.05 | 38.6 | 45.8 | 77.01 | 101.3 | 132 | 151.7 | 160.2 | 151.3 | 1159.3 |
| 2006-2007 | 120.8 | 91.46 | 55.5 | 40.17 | 39.95 | 47.78 | 79.56 | 99.57 | 134.4 | 154 | 162.9 | 149.9 | 1176.0 |
| 2007-2008 | 119.9 | 94.55 | 58.43 | 40.42 | 37.21 | 44.96 | 84.91 | 102.8 | 131.1 | 152.8 | 159.3 | 148.8 | 1175.2 |
| 2008-2009 | 117.7 | 89.38 | 60.93 | 42.47 | 43.91 | 46.03 | 76.76 | 99.81 | 131.8 | 154.1 | 162.7 | 147.8 | 1173.3 |
| 2009-2010 | 117.2 | 94.61 | 58.21 | 44.08 | 43.8 | 48.44 | 81.46 | 102.5 | 129.8 | 144.1 | 153.1 | 148.7 | 1165.9 |
| 2010-2011 | 118.4 | 89.87 | 62.85 | 44.08 | 41.27 | 46.35 | 76.94 | 96.32 | 126.3 | 145.5 | 155.5 | 145.4 | 1148.8 |
| 2011-2012 | 118.1 | 86.48 | 50.59 | 39.12 | 37.16 | 42.05 | 74.08 | 99.35 | 126.6 | 148.3 | 159.2 | 147.6 | 1128.6 |
| 2012-2013 | 117.2 | 91.12 | 58.77 | 41.07 | 39.77 | 48.11 | 77.9 | 100.7 | 133.6 | 146.5 | 155 | 146.7 | 1156.4 |
| 2013-2014 | 115.4 | 86.87 | 59.72 | 36.28 | 43.95 | 47.93 | 79.92 | 98.67 | 126.6 | 146.6 | 153.2 | 143.5 | 1138.7 |
| 2014-2015 | 114.9 | 87.83 | 54.68 | 43.76 | 38.4 | 43.78 | 77.98 | 94.74 | 129.2 | 142.1 | 154.8 | 145.9 | 1128.2 |
| AVERAGE | 117.4 | 90.8 | 57.2 | 41.3 | 40.8 | 45.8 | 77.6 | 99.1 | 130.0 | 148.1 | 157.5 | 146.3 | |

**Table A. 31** Camlibel station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 88.4 | 64.3 | 36.6 | 30.0 | 28.6 | 33.0 | 48.7 | 69.9 | 99.9 | 147.5 | 164.6 | 139.8 | 951.4 |
| 1979-1980 | 101.2 | 68.9 | 41.7 | 26.7 | 24.1 | 28.5 | 42.9 | 62.7 | 102.0 | 149.4 | 169.5 | 153.9 | 971.2 |
| 1980-1981 | 94.4 | 66.5 | 40.0 | 27.9 | 25.8 | 29.7 | 50.6 | 71.0 | 95.7 | 161.0 | 174.6 | 152.8 | 990.1 |
| 1981-1982 | 106.2 | 71.6 | 34.6 | 29.8 | 27.2 | 25.9 | 42.1 | 69.1 | 103.5 | 140.6 | 160.3 | 150.5 | 961.4 |
| 1982-1983 | 106.5 | 68.5 | 34.2 | 25.7 | 22.9 | 26.4 | 43.0 | 65.8 | 107.5 | 136.3 | 167.3 | 146.8 | 951.1 |
| 1983-1984 | 99.9 | 62.2 | 41.7 | 29.7 | 28.2 | 32.0 | 46.5 | 64.3 | 112.3 | 133.6 | 144.0 | 139.1 | 933.3 |
| 1984-1985 | 87.6 | 61.3 | 33.6 | 24.0 | 26.3 | 25.3 | 43.2 | 64.3 | 111.2 | 143.8 | 185.4 | 157.9 | 963.8 |
| 1985-1986 | 105.3 | 62.0 | 41.0 | 28.2 | 26.9 | 33.6 | 50.0 | 78.3 | 101.3 | 148.6 | 165.8 | 146.1 | 987.2 |
| 1986-1987 | 108.3 | 65.2 | 33.9 | 27.0 | 28.1 | 32.8 | 39.0 | 64.5 | 101.3 | 147.7 | 176.7 | 157.1 | 981.6 |
| 1987-1988 | 111.9 | 62.8 | 36.4 | 26.9 | 26.8 | 29.2 | 43.5 | 70.5 | 115.5 | 152.8 | 196.3 | 158.0 | 1030.6 |
| 1988-1989 | 112.0 | 65.0 | 33.1 | 26.8 | 22.7 | 28.2 | 48.1 | 84.4 | 117.4 | 133.9 | 178.6 | 146.8 | 997.1 |
| 1989-1990 | 99.2 | 58.5 | 37.9 | 27.3 | 23.3 | 28.1 | 47.3 | 67.7 | 103.7 | 137.5 | 159.4 | 146.8 | 936.7 |
| 1990-1991 | 93.2 | 65.5 | 38.8 | 27.1 | 24.8 | 27.5 | 47.1 | 65.3 | 93.2 | 137.1 | 150.8 | 135.2 | 905.5 |
| 1991-1992 | 94.3 | 64.3 | 36.4 | 22.7 | 23.2 | 23.0 | 40.2 | 61.5 | 94.4 | 129.1 | 153.2 | 153.2 | 895.4 |
| 1992-1993 | 93.6 | 64.1 | 35.3 | 21.3 | 24.6 | 27.5 | 42.7 | 61.4 | 88.0 | 139.9 | 154.1 | 124.3 | 876.8 |
| 1993-1994 | 77.5 | 72.9 | 34.1 | 28.0 | 28.1 | 29.7 | 45.1 | 71.5 | 105.8 | 133.6 | 158.4 | 143.2 | 927.9 |
| 1994-1995 | 98.7 | 64.9 | 33.4 | 23.7 | 25.5 | 30.1 | 46.3 | 63.0 | 103.9 | 151.5 | 167.5 | 148.5 | 957.1 |
| 1995-1996 | 97.7 | 61.8 | 30.7 | 25.7 | 24.4 | 30.8 | 45.2 | 62.5 | 115.4 | 153.0 | 170.7 | 120.9 | 938.9 |
| 1996-1997 | 97.0 | 58.8 | 38.6 | 27.9 | 27.4 | 27.6 | 41.8 | 59.4 | 110.3 | 145.9 | 172.8 | 134.4 | 941.7 |
| 1997-1998 | 91.0 | 60.7 | 37.0 | 27.0 | 25.4 | 29.4 | 42.2 | 73.1 | 99.6 | 132.7 | 186.9 | 173.8 | 978.8 |
| 1998-1999 | 108.6 | 75.1 | 44.4 | 30.2 | 28.0 | 32.1 | 49.7 | 74.0 | 130.8 | 168.2 | 182.6 | 154.1 | 1078.0 |
| 1999-2000 | 103.5 | 69.0 | 37.9 | 30.8 | 20.4 | 25.4 | 43.9 | 66.5 | 104.0 | 157.3 | 187.5 | 147.7 | 994.0 |
| 2000-2001 | 100.4 | 60.7 | 37.2 | 26.1 | 26.8 | 30.0 | 54.4 | 69.6 | 110.2 | 143.6 | 164.1 | 149.0 | 972.1 |
| 2001-2002 | 97.2 | 62.4 | 35.1 | 25.9 | 22.8 | 31.2 | 49.1 | 63.6 | 98.9 | 140.8 | 166.8 | 139.3 | 933.2 |
| 2002-2003 | 89.0 | 64.3 | 39.8 | 23.7 | 27.5 | 26.1 | 41.0 | 66.0 | 124.9 | 157.3 | 189.5 | 166.9 | 1016.1 |
| 2003-2004 | 100.3 | 71.4 | 39.0 | 27.7 | 25.1 | 29.0 | 49.2 | 68.2 | 101.4 | 144.4 | 179.0 | 145.9 | 980.6 |
| 2004-2005 | 101.8 | 72.6 | 37.2 | 26.1 | 27.6 | 27.6 | 47.6 | 69.9 | 107.8 | 141.6 | 173.5 | 147.6 | 980.9 |
| 2005-2006 | 103.9 | 61.0 | 34.6 | 28.4 | 24.9 | 28.9 | 46.0 | 71.7 | 110.9 | 146.5 | 174.6 | 157.4 | 988.9 |
| 2006-2007 | 111.1 | 68.5 | 36.8 | 26.8 | 26.6 | 29.8 | 47.8 | 66.2 | 109.4 | 155.4 | 181.2 | 150.2 | 1009.8 |
| 2007-2008 | 100.7 | 70.4 | 38.3 | 26.7 | 23.8 | 26.9 | 54.1 | 73.6 | 106.1 | 151.3 | 177.0 | 157.6 | 1006.6 |
| 2008-2009 | 100.8 | 64.9 | 41.9 | 28.0 | 27.6 | 30.4 | 46.1 | 69.8 | 106.1 | 157.7 | 179.4 | 153.3 | 1006.0 |
| 2009-2010 | 98.6 | 72.8 | 38.1 | 30.0 | 28.8 | 32.0 | 51.4 | 72.2 | 108.7 | 140.4 | 162.8 | 165.9 | 1001.6 |
| 2010-2011 | 108.3 | 68.2 | 44.0 | 31.5 | 27.3 | 30.6 | 47.1 | 66.7 | 102.1 | 144.6 | 172.4 | 154.5 | 997.4 |
| 2011-2012 | 106.7 | 62.9 | 33.3 | 26.8 | 24.8 | 27.8 | 44.4 | 69.8 | 103.6 | 152.3 | 187.6 | 162.9 | 1002.9 |
| 2012-2013 | 104.3 | 69.8 | 41.2 | 28.7 | 26.9 | 33.0 | 48.6 | 72.6 | 116.6 | 143.6 | 165.4 | 155.4 | 1006.1 |
| 2013-2014 | 100.6 | 61.9 | 41.5 | 25.8 | 29.6 | 32.5 | 51.2 | 71.8 | 103.0 | 145.9 | 165.4 | 152.6 | 981.8 |
| 2014-2015 | 103.3 | 64.9 | 37.2 | 30.7 | 25.7 | 29.4 | 49.8 | 64.5 | 108.3 | 134.0 | 169.1 | 159.8 | 976.8 |
| AVERAGE | 100.1 | 65.7 | 37.5 | 27.2 | 25.9 | 29.2 | 46.4 | 68.3 | 106.4 | 145.4 | 171.2 | 150.0 | |

**Table A. 32** Camlibel station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 98.5 | 72.8 | 38.9 | 28.1 | 22.3 | 27.1 | 34.1 | 60.6 | 85.2 | 158.1 | 169.0 | 135.8 | 930.5 |
| 1979-1980 | 118.5 | 81.0 | 50.5 | 21.0 | 13.5 | 18.1 | 24.9 | 48.1 | 88.2 | 161.1 | 175.4 | 151.8 | 952.0 |
| 1980-1981 | 102.5 | 72.9 | 44.2 | 22.3 | 15.8 | 19.5 | 35.3 | 59.2 | 75.1 | 167.7 | 171.9 | 142.9 | 929.1 |
| 1981-1982 | 126.8 | 86.4 | 34.7 | 27.8 | 19.7 | 13.2 | 23.9 | 59.7 | 91.1 | 149.6 | 165.1 | 149.0 | 947.1 |
| 1982-1983 | 135.3 | 86.1 | 36.0 | 20.3 | 12.1 | 15.0 | 26.9 | 57.6 | 102.8 | 152.7 | 185.1 | 153.7 | 983.7 |
| 1983-1984 | 118.6 | 70.4 | 51.4 | 27.9 | 21.9 | 25.5 | 31.2 | 51.8 | 104.4 | 140.7 | 145.4 | 137.5 | 926.8 |
| 1984-1985 | 105.3 | 73.2 | 35.0 | 16.7 | 19.1 | 12.9 | 27.4 | 55.2 | 109.3 | 166.2 | 210.9 | 168.3 | 999.5 |
| 1985-1986 | 114.6 | 63.5 | 44.9 | 22.2 | 17.5 | 26.2 | 33.4 | 68.9 | 80.3 | 146.7 | 156.9 | 132.2 | 907.3 |
| 1986-1987 | 127.0 | 73.3 | 32.4 | 21.4 | 21.0 | 26.4 | 18.7 | 50.4 | 85.9 | 156.1 | 181.2 | 152.9 | 946.6 |
| 1987-1988 | 121.5 | 63.7 | 34.9 | 19.3 | 16.9 | 17.8 | 23.5 | 55.7 | 96.8 | 149.6 | 187.5 | 142.0 | 929.3 |
| 1988-1989 | 128.6 | 71.1 | 29.7 | 20.3 | 10.6 | 16.8 | 31.9 | 81.8 | 104.9 | 132.3 | 178.3 | 137.9 | 944.2 |
| 1989-1990 | 124.6 | 67.6 | 45.4 | 24.2 | 12.9 | 18.6 | 34.3 | 61.5 | 97.9 | 155.9 | 175.9 | 154.9 | 973.6 |
| 1990-1991 | 120.5 | 85.2 | 50.0 | 24.7 | 16.8 | 18.2 | 35.6 | 60.0 | 85.9 | 163.5 | 172.5 | 147.6 | 980.5 |
| 1991-1992 | 134.8 | 91.2 | 48.3 | 15.9 | 14.8 | 9.9 | 25.8 | 58.1 | 96.9 | 165.9 | 194.2 | 187.1 | 1042.9 |
| 1992-1993 | 136.7 | 93.0 | 46.4 | 12.9 | 18.3 | 20.5 | 31.2 | 59.3 | 87.4 | 190.8 | 200.6 | 149.5 | 1046.6 |
| 1993-1994 | 87.1 | 94.4 | 35.8 | 25.5 | 22.8 | 22.0 | 30.3 | 68.3 | 100.5 | 148.7 | 173.5 | 149.7 | 958.5 |
| 1994-1995 | 121.1 | 78.2 | 33.6 | 15.7 | 17.1 | 22.6 | 31.9 | 51.5 | 96.0 | 173.7 | 182.7 | 153.7 | 977.9 |
| 1995-1996 | 125.1 | 75.7 | 28.7 | 20.8 | 15.6 | 25.2 | 31.5 | 53.1 | 118.2 | 184.7 | 195.9 | 125.3 | 999.8 |
| 1996-1997 | 120.3 | 67.8 | 46.7 | 25.2 | 21.4 | 17.5 | 24.8 | 45.7 | 107.2 | 168.1 | 192.8 | 139.0 | 976.5 |
| 1997-1998 | 104.0 | 67.2 | 40.3 | 21.9 | 16.3 | 20.0 | 24.1 | 66.9 | 85.8 | 138.3 | 198.6 | 174.6 | 958.1 |
| 1998-1999 | 100.0 | 70.8 | 43.4 | 22.1 | 16.5 | 19.6 | 27.8 | 51.8 | 98.3 | 143.0 | 146.9 | 118.4 | 858.4 |
| 1999-2000 | 119.5 | 79.5 | 41.1 | 29.3 | 6.9 | 12.0 | 26.0 | 53.6 | 89.2 | 168.7 | 193.1 | 142.1 | 960.8 |
| 2000-2001 | 114.9 | 65.2 | 39.5 | 19.2 | 18.2 | 20.7 | 42.3 | 58.9 | 97.7 | 149.5 | 165.1 | 143.4 | 934.6 |
| 2001-2002 | 122.9 | 76.1 | 39.1 | 21.2 | 12.2 | 25.6 | 37.8 | 54.5 | 91.7 | 163.2 | 188.3 | 147.6 | 980.4 |
| 2002-2003 | 95.4 | 69.8 | 44.1 | 14.1 | 19.3 | 13.0 | 21.1 | 51.5 | 114.5 | 164.6 | 190.7 | 158.7 | 956.8 |
| 2003-2004 | 112.8 | 82.1 | 42.7 | 22.2 | 15.0 | 18.3 | 33.6 | 55.6 | 84.2 | 148.0 | 179.9 | 137.8 | 932.2 |
| 2004-2005 | 115.1 | 84.3 | 39.0 | 19.2 | 19.5 | 15.8 | 31.2 | 58.4 | 92.9 | 144.2 | 173.7 | 139.8 | 933.1 |
| 2005-2006 | 119.4 | 65.5 | 33.5 | 24.1 | 14.7 | 18.5 | 29.0 | 62.1 | 98.1 | 152.8 | 176.9 | 151.7 | 946.3 |
| 2006-2007 | 122.5 | 74.0 | 36.2 | 19.5 | 16.9 | 19.1 | 30.3 | 49.8 | 90.7 | 155.6 | 174.3 | 136.3 | 925.2 |
| 2007-2008 | 109.1 | 77.5 | 39.7 | 19.5 | 12.1 | 13.9 | 39.7 | 61.9 | 87.1 | 151.2 | 170.7 | 144.7 | 927.1 |
| 2008-2009 | 107.5 | 67.5 | 46.3 | 21.7 | 18.5 | 20.1 | 27.5 | 54.9 | 85.6 | 157.0 | 170.7 | 138.2 | 915.6 |
| 2009-2010 | 101.8 | 78.0 | 37.5 | 24.9 | 20.2 | 22.3 | 34.3 | 57.1 | 86.7 | 130.9 | 148.1 | 146.9 | 888.7 |
| 2010-2011 | 115.9 | 71.7 | 49.7 | 28.1 | 17.8 | 20.1 | 28.5 | 49.3 | 79.4 | 137.8 | 160.5 | 137.5 | 896.3 |
| 2011-2012 | 123.4 | 68.7 | 30.7 | 20.7 | 14.5 | 16.3 | 26.6 | 58.9 | 88.1 | 160.9 | 192.1 | 157.4 | 958.3 |
| 2012-2013 | 108.9 | 73.0 | 43.6 | 22.4 | 16.8 | 24.1 | 30.1 | 57.4 | 95.8 | 134.3 | 150.2 | 136.2 | 892.8 |
| 2013-2014 | 110.0 | 64.3 | 46.7 | 17.9 | 22.8 | 24.4 | 35.7 | 59.7 | 83.9 | 145.6 | 159.2 | 141.0 | 911.3 |
| 2014-2015 | 117.4 | 71.4 | 38.9 | 28.6 | 16.1 | 19.2 | 34.7 | 49.5 | 93.7 | 133.6 | 168.6 | 152.8 | 924.6 |
| AVERAGE | 115.9 | 75.0 | 40.5 | 21.9 | 16.9 | 19.3 | 30.2 | 57.3 | 93.4 | 154.4 | 176.3 | 146.4 | |

**Table A. 33** Camlibel station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 168.3 | 165.1 | 139.1 | 136.2 | 129.4 | 118.7 | 135.3 | 143.6 | 160.2 | 178.2 | 191.8 | 189.8 | 1855.5 |
| 1979-1980 | 177.5 | 169.9 | 148 | 127.9 | 117.1 | 109.4 | 126.3 | 136.1 | 161.6 | 179 | 193.8 | 196.6 | 1843.2 |
| 1980-1981 | 172.9 | 167.4 | 145.2 | 131 | 121.9 | 112.1 | 138 | 144.6 | 157.1 | 184.1 | 196 | 196 | 1866.4 |
| 1981-1982 | 180.8 | 172.6 | 135.2 | 135.6 | 125.7 | 103.3 | 125.1 | 142.8 | 162.7 | 175 | 189.9 | 194.9 | 1843.8 |
| 1982-1983 | 181.1 | 169.5 | 134.4 | 125.3 | 113.6 | 104.5 | 126.6 | 139.5 | 165.3 | 172.8 | 193 | 193.2 | 1818.9 |
| 1983-1984 | 176.7 | 162.7 | 147.9 | 135.3 | 128.4 | 116.7 | 132.1 | 137.8 | 168.4 | 171.4 | 182.4 | 189.4 | 1849.2 |
| 1984-1985 | 167.7 | 161.7 | 133.3 | 120.5 | 123.3 | 101.8 | 126.8 | 137.8 | 167.7 | 176.4 | 200.2 | 198.4 | 1815.6 |
| 1985-1986 | 180.3 | 162.5 | 146.7 | 131.7 | 125 | 119.9 | 137.2 | 151.2 | 161.2 | 178.7 | 192.3 | 192.9 | 1879.6 |
| 1986-1987 | 182.2 | 166 | 133.9 | 128.9 | 128 | 118.4 | 119.7 | 138 | 161.2 | 178.3 | 196.8 | 198 | 1849.3 |
| 1987-1988 | 184.4 | 163.4 | 138.8 | 128.4 | 124.6 | 111.1 | 127.3 | 144.2 | 170.4 | 180.6 | 204.2 | 198.4 | 1875.6 |
| 1988-1989 | 184.5 | 165.8 | 132.2 | 128.2 | 113.1 | 108.8 | 134.5 | 156.4 | 171.5 | 171.6 | 197.5 | 193.2 | 1857.4 |
| 1989-1990 | 176.2 | 158.4 | 141.5 | 129.6 | 114.8 | 108.5 | 133.2 | 141.4 | 162.8 | 173.4 | 189.5 | 193.2 | 1822.6 |
| 1990-1991 | 172 | 166.4 | 143 | 128.9 | 119.2 | 107.1 | 132.9 | 138.9 | 155.3 | 173.2 | 185.7 | 187.4 | 1809.9 |
| 1991-1992 | 172.7 | 165 | 138.6 | 116.4 | 114.7 | 95.73 | 121.9 | 134.8 | 156.2 | 169.1 | 186.7 | 196.2 | 1768.2 |
| 1992-1993 | 172.3 | 164.8 | 136.6 | 112 | 118.5 | 107 | 126 | 134.7 | 151.3 | 174.6 | 187.2 | 181.5 | 1766.5 |
| 1993-1994 | 159.4 | 173.9 | 134.2 | 131.3 | 128.1 | 112.1 | 129.8 | 145.1 | 164.2 | 171.5 | 189.1 | 191.4 | 1830.0 |
| 1994-1995 | 175.9 | 165.7 | 132.8 | 119.7 | 121.3 | 113 | 131.7 | 136.5 | 163 | 180 | 193 | 194 | 1826.5 |
| 1995-1996 | 175.2 | 162.2 | 127.2 | 125.1 | 118.2 | 114.5 | 130.1 | 135.9 | 170.3 | 180.7 | 194.4 | 179.5 | 1813.3 |
| 1996-1997 | 174.7 | 158.7 | 142.7 | 131 | 126.3 | 107.4 | 124.5 | 132.4 | 167.1 | 177.4 | 195.2 | 187 | 1824.4 |
| 1997-1998 | 170.4 | 160.9 | 139.8 | 128.8 | 121 | 111.4 | 125.1 | 146.6 | 160 | 171 | 200.7 | 205.1 | 1840.8 |
| 1998-1999 | 182.4 | 176 | 152.2 | 136.7 | 127.8 | 117 | 136.7 | 147.5 | 179.1 | 187.1 | 199.1 | 196.6 | 1938.2 |
| 1999-2000 | 179.1 | 170 | 141.5 | 138.2 | 105.5 | 102.2 | 127.9 | 140.2 | 163 | 182.6 | 201 | 193.6 | 1844.6 |
| 2000-2001 | 177 | 161 | 140.2 | 126.2 | 124.5 | 112.7 | 143 | 143.3 | 167.1 | 176.4 | 191.6 | 194.2 | 1857.3 |
| 2001-2002 | 174.9 | 162.9 | 136.3 | 126 | 113.4 | 115.1 | 135.9 | 137.1 | 159.4 | 175 | 192.7 | 189.5 | 1818.2 |
| 2002-2003 | 168.9 | 165 | 144.7 | 119.5 | 126.6 | 104 | 123.2 | 139.7 | 175.9 | 182.6 | 201.7 | 202.2 | 1853.8 |
| 2003-2004 | 177 | 172.4 | 143.4 | 130.5 | 120.2 | 110.4 | 135.9 | 141.9 | 161.3 | 176.8 | 197.7 | 192.8 | 1860.2 |
| 2004-2005 | 178 | 173.6 | 140.3 | 126.5 | 126.6 | 107.5 | 133.6 | 143.5 | 165.5 | 175.4 | 195.5 | 193.6 | 1859.5 |
| 2005-2006 | 179.4 | 161.4 | 135.2 | 132.4 | 119.5 | 110.4 | 131.2 | 145.3 | 167.5 | 177.7 | 196 | 198.1 | 1853.9 |
| 2006-2007 | 183.9 | 169.5 | 139.4 | 128.2 | 124.1 | 112.3 | 134.1 | 139.9 | 166.5 | 181.7 | 198.6 | 194.8 | 1873.0 |
| 2007-2008 | 177.3 | 171.4 | 142.2 | 128 | 116.3 | 105.7 | 142.7 | 147 | 164.4 | 179.9 | 196.9 | 198.2 | 1870.1 |
| 2008-2009 | 177.3 | 165.6 | 148.3 | 131.3 | 126.6 | 113.6 | 131.5 | 143.4 | 164.4 | 182.7 | 197.9 | 196.3 | 1879.0 |
| 2009-2010 | 175.8 | 173.8 | 141.7 | 136.1 | 129.7 | 116.7 | 139.1 | 145.7 | 166.1 | 174.8 | 191 | 201.8 | 1892.4 |
| 2010-2011 | 182.2 | 169.2 | 151.5 | 139.5 | 126 | 114 | 133 | 140.4 | 161.7 | 176.9 | 195.1 | 196.8 | 1886.2 |
| 2011-2012 | 181.2 | 163.5 | 132.5 | 128.2 | 119.2 | 107.8 | 128.7 | 143.5 | 162.7 | 180.4 | 201 | 200.5 | 1849.2 |
| 2012-2013 | 179.7 | 170.8 | 147.2 | 133.1 | 125 | 118.7 | 135.1 | 146.1 | 171 | 176.4 | 192.2 | 197.2 | 1892.3 |
| 2013-2014 | 177.2 | 162.4 | 147.6 | 125.6 | 131.7 | 117.7 | 138.7 | 145.4 | 162.3 | 177.4 | 192.2 | 196 | 1874.2 |
| 2014-2015 | 179 | 165.6 | 140.2 | 137.8 | 121.8 | 111.4 | 136.9 | 138.1 | 165.9 | 171.7 | 193.7 | 199.2 | 1861.2 |
| AVERAGE | 176.6 | 166.4 | 140.4 | 129.1 | 122.1 | 110.8 | 131.7 | 141.8 | 164.4 | 177.1 | 194.4 | 194.5 | |

**Table A. 34** Camlibel station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 129.6 | 61.11 | 46.91 | 43.62 | 42.64 | 42.52 | 53.27 | 117 | 140 | 161.3 | 170.7 | 159 | 1167.6 |
| 1979-1980 | 136.7 | 62.9 | 49.91 | 40.96 | 38.6 | 39.18 | 49.75 | 110.9 | 141.2 | 162 | 172.6 | 164.6 | 1169.3 |
| 1980-1981 | 133.1 | 62 | 48.97 | 41.95 | 40.18 | 40.15 | 54.35 | 117.8 | 137.4 | 166.7 | 174.4 | 164.2 | 1181.1 |
| 1981-1982 | 139.2 | 63.92 | 45.6 | 43.43 | 41.46 | 37.02 | 49.25 | 116.3 | 142.2 | 158.3 | 169.1 | 163.3 | 1169.1 |
| 1982-1983 | 139.4 | 62.77 | 45.34 | 40.13 | 37.46 | 37.44 | 49.85 | 113.6 | 144.5 | 156.4 | 171.7 | 161.8 | 1160.5 |
| 1983-1984 | 136 | 60.22 | 49.9 | 43.35 | 42.31 | 41.8 | 52 | 112.3 | 147.2 | 155.2 | 162.3 | 158.6 | 1161.2 |
| 1984-1985 | 129.1 | 59.87 | 44.94 | 38.6 | 40.64 | 36.45 | 49.95 | 112.3 | 146.6 | 159.7 | 178.2 | 166.1 | 1162.4 |
| 1985-1986 | 138.8 | 60.17 | 49.5 | 42.19 | 41.21 | 42.95 | 54.01 | 123.2 | 140.9 | 161.7 | 171.2 | 161.6 | 1187.4 |
| 1986-1987 | 140.2 | 61.45 | 45.14 | 41.26 | 42.21 | 42.39 | 47.15 | 112.5 | 140.9 | 161.4 | 175.2 | 165.8 | 1175.5 |
| 1987-1988 | 141.9 | 60.5 | 46.79 | 41.11 | 41.06 | 39.78 | 50.14 | 117.4 | 148.9 | 163.5 | 181.8 | 166.2 | 1199.0 |
| 1988-1989 | 142 | 61.4 | 44.59 | 41.05 | 37.29 | 38.98 | 52.96 | 127.4 | 149.9 | 155.3 | 175.9 | 161.8 | 1188.6 |
| 1989-1990 | 135.6 | 58.64 | 47.73 | 41.51 | 37.83 | 38.85 | 52.46 | 115.2 | 142.3 | 157 | 168.7 | 161.8 | 1157.6 |
| 1990-1991 | 132.4 | 61.59 | 48.25 | 41.28 | 39.3 | 38.34 | 52.34 | 113.2 | 135.7 | 156.8 | 165.3 | 157 | 1141.4 |
| 1991-1992 | 133 | 61.11 | 46.75 | 37.28 | 37.79 | 34.28 | 48 | 109.8 | 136.5 | 153.1 | 166.2 | 164.3 | 1128.2 |
| 1992-1993 | 132.6 | 61.05 | 46.07 | 35.87 | 39.07 | 38.34 | 49.63 | 109.7 | 132.2 | 158 | 166.6 | 152 | 1121.3 |
| 1993-1994 | 122.7 | 64.39 | 45.26 | 42.03 | 42.22 | 40.14 | 51.12 | 118.2 | 143.5 | 155.2 | 168.3 | 160.4 | 1153.5 |
| 1994-1995 | 135.4 | 61.35 | 44.8 | 38.32 | 39.98 | 40.48 | 51.86 | 111.2 | 142.4 | 162.9 | 171.8 | 162.5 | 1163.0 |
| 1995-1996 | 134.9 | 60.06 | 42.89 | 40.08 | 38.96 | 41 | 51.22 | 110.7 | 148.9 | 163.5 | 173 | 150.4 | 1155.6 |
| 1996-1997 | 134.5 | 58.78 | 48.12 | 41.93 | 41.63 | 38.47 | 49.03 | 107.9 | 146.1 | 160.6 | 173.8 | 156.6 | 1157.4 |
| 1997-1998 | 131.1 | 59.59 | 47.15 | 41.25 | 39.89 | 39.88 | 49.28 | 119.4 | 139.8 | 154.7 | 178.7 | 171.8 | 1172.7 |
| 1998-1999 | 140.4 | 65.16 | 51.35 | 43.76 | 42.15 | 41.91 | 53.82 | 120.1 | 156.6 | 169.4 | 177.2 | 164.7 | 1226.6 |
| 1999-2000 | 137.9 | 62.94 | 47.72 | 44.23 | 34.76 | 36.59 | 50.38 | 114.2 | 142.5 | 165.3 | 178.9 | 162.2 | 1177.5 |
| 2000-2001 | 136.3 | 59.61 | 47.28 | 40.43 | 41.06 | 40.38 | 56.33 | 116.7 | 146 | 159.6 | 170.5 | 162.7 | 1177.0 |
| 2001-2002 | 134.6 | 60.34 | 45.97 | 40.33 | 37.37 | 41.22 | 53.49 | 111.7 | 139.4 | 158.4 | 171.6 | 158.8 | 1153.1 |
| 2002-2003 | 130 | 61.09 | 48.82 | 38.26 | 41.73 | 37.23 | 48.51 | 113.8 | 153.7 | 165.3 | 179.5 | 169.4 | 1187.3 |
| 2003-2004 | 136.2 | 63.82 | 48.36 | 41.78 | 39.62 | 39.56 | 53.54 | 115.6 | 140.9 | 160 | 176 | 161.5 | 1176.9 |
| 2004-2005 | 137 | 64.28 | 47.31 | 40.51 | 41.75 | 38.49 | 52.62 | 116.9 | 144.7 | 158.8 | 174 | 162.1 | 1178.5 |
| 2005-2006 | 138.1 | 59.75 | 45.58 | 42.4 | 39.39 | 39.53 | 51.67 | 118.4 | 146.4 | 160.9 | 174.4 | 165.9 | 1182.4 |
| 2006-2007 | 141.6 | 62.76 | 47.02 | 41.05 | 40.9 | 40.21 | 52.79 | 114 | 145.6 | 164.5 | 176.8 | 163.2 | 1190.3 |
| 2007-2008 | 136.4 | 63.48 | 47.98 | 40.98 | 38.35 | 37.86 | 56.19 | 119.8 | 143.7 | 162.8 | 175.3 | 166 | 1188.9 |
| 2008-2009 | 136.5 | 61.34 | 50.01 | 42.06 | 41.75 | 40.7 | 51.77 | 116.9 | 143.7 | 165.4 | 176.1 | 164.4 | 1190.6 |
| 2009-2010 | 135.3 | 64.34 | 47.81 | 43.58 | 42.77 | 41.8 | 54.78 | 118.7 | 145.2 | 158.2 | 170 | 169.1 | 1191.6 |
| 2010-2011 | 140.2 | 62.64 | 51.11 | 44.67 | 41.53 | 40.83 | 52.36 | 114.4 | 141.4 | 160.1 | 173.6 | 164.9 | 1187.7 |
| 2011-2012 | 139.5 | 60.54 | 44.7 | 41.07 | 39.29 | 38.61 | 50.69 | 116.9 | 142.2 | 163.3 | 178.9 | 168 | 1183.6 |
| 2012-2013 | 138.3 | 63.24 | 49.64 | 42.62 | 41.2 | 42.52 | 53.2 | 119 | 149.5 | 159.6 | 171 | 165.2 | 1195.1 |
| 2013-2014 | 136.4 | 60.13 | 49.78 | 40.22 | 43.43 | 42.15 | 54.64 | 118.4 | 141.9 | 160.6 | 171 | 164.1 | 1182.8 |
| 2014-2015 | 137.8 | 61.34 | 47.28 | 44.13 | 40.16 | 39.9 | 53.9 | 112.5 | 145 | 155.4 | 172.4 | 166.8 | 1176.6 |
| AVERAGE | 136.0 | 61.6 | 47.4 | 41.3 | 40.2 | 39.7 | 51.8 | 115.5 | 143.7 | 160.3 | 173.1 | 162.9 | |

**Table A. 35** Camlibel station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 108.1 | 86.22 | 53.67 | 42.8 | 42.65 | 48.17 | 76.62 | 96.23 | 122.6 | 142.8 | 149.6 | 137.4 | 1106.8 |
| 1979-1980 | 113.3 | 88.93 | 58.68 | 38.12 | 35.76 | 42.91 | 71.61 | 92.02 | 123.4 | 143.3 | 150.8 | 141.2 | 1099.9 |
| 1980-1981 | 110.6 | 87.55 | 57.12 | 39.88 | 38.46 | 44.44 | 78.16 | 96.81 | 120.9 | 146.1 | 152 | 140.9 | 1112.9 |
| 1981-1982 | 115.1 | 90.48 | 51.51 | 42.47 | 40.61 | 39.53 | 70.9 | 95.78 | 124 | 141 | 148.6 | 140.3 | 1100.2 |
| 1982-1983 | 115.2 | 88.74 | 51.07 | 36.67 | 33.81 | 40.19 | 71.75 | 93.92 | 125.5 | 139.8 | 150.3 | 139.3 | 1086.2 |
| 1983-1984 | 112.8 | 84.87 | 58.66 | 42.3 | 42.08 | 47.04 | 74.82 | 93.01 | 127.2 | 139 | 144.3 | 137.2 | 1103.3 |
| 1984-1985 | 107.8 | 84.34 | 50.44 | 33.98 | 39.22 | 38.65 | 71.89 | 93.01 | 126.8 | 141.8 | 154.3 | 142.2 | 1084.4 |
| 1985-1986 | 114.8 | 84.79 | 57.99 | 40.29 | 40.2 | 48.83 | 77.69 | 100.5 | 123.1 | 143.1 | 149.9 | 139.1 | 1120.4 |
| 1986-1987 | 115.9 | 86.74 | 50.75 | 38.68 | 41.91 | 47.97 | 67.9 | 93.12 | 123.1 | 142.8 | 152.4 | 142 | 1103.3 |
| 1987-1988 | 117.1 | 85.29 | 53.5 | 38.41 | 39.95 | 43.87 | 72.16 | 96.56 | 128.3 | 144.1 | 156.6 | 142.2 | 1118.1 |
| 1988-1989 | 117.2 | 86.66 | 49.81 | 38.29 | 33.53 | 42.62 | 76.19 | 103.4 | 129 | 139.1 | 152.8 | 139.3 | 1107.9 |
| 1989-1990 | 112.5 | 82.47 | 55.07 | 39.11 | 34.45 | 42.41 | 75.47 | 95 | 124.1 | 140.1 | 148.3 | 139.3 | 1088.3 |
| 1990-1991 | 110.1 | 86.96 | 55.91 | 38.68 | 36.95 | 41.61 | 75.29 | 93.61 | 119.8 | 140 | 146.2 | 136 | 1081.2 |
| 1991-1992 | 110.6 | 86.21 | 53.42 | 31.69 | 34.39 | 35.26 | 69.1 | 91.32 | 120.4 | 137.7 | 146.8 | 141 | 1057.8 |
| 1992-1993 | 110.3 | 86.11 | 52.29 | 29.21 | 36.55 | 41.61 | 71.42 | 91.24 | 117.6 | 140.8 | 147 | 132.7 | 1056.8 |
| 1993-1994 | 103.1 | 91.19 | 50.94 | 40.02 | 41.93 | 44.44 | 73.55 | 97.09 | 124.9 | 139 | 148.1 | 138.3 | 1092.5 |
| 1994-1995 | 112.3 | 86.59 | 50.18 | 33.5 | 38.11 | 44.95 | 74.6 | 92.24 | 124.2 | 143.8 | 150.3 | 139.8 | 1090.5 |
| 1995-1996 | 111.9 | 84.63 | 47.01 | 36.58 | 36.36 | 45.78 | 73.7 | 91.94 | 128.3 | 144.2 | 151.1 | 131.6 | 1083.1 |
| 1996-1997 | 111.7 | 82.68 | 55.69 | 39.85 | 40.91 | 41.81 | 70.57 | 89.96 | 126.5 | 142.4 | 151.5 | 135.8 | 1089.3 |
| 1997-1998 | 109.2 | 83.9 | 54.1 | 38.63 | 37.97 | 44.03 | 70.93 | 97.91 | 122.5 | 138.7 | 154.6 | 146 | 1098.6 |
| 1998-1999 | 116 | 92.36 | 61.08 | 43.05 | 41.79 | 47.21 | 77.4 | 98.41 | 133.2 | 147.8 | 153.7 | 141.2 | 1153.3 |
| 1999-2000 | 114.2 | 88.99 | 55.03 | 43.89 | 29.22 | 38.87 | 72.51 | 94.32 | 124.2 | 145.3 | 154.8 | 139.5 | 1100.7 |
| 2000-2001 | 113 | 83.94 | 54.29 | 37.19 | 39.94 | 44.8 | 80.99 | 96.06 | 126.5 | 141.8 | 149.5 | 139.9 | 1107.8 |
| 2001-2002 | 111.8 | 85.04 | 52.12 | 37.03 | 33.68 | 46.13 | 76.95 | 92.59 | 122.2 | 141 | 150.1 | 137.2 | 1085.9 |
| 2002-2003 | 108.4 | 86.18 | 56.85 | 33.41 | 41.08 | 39.88 | 69.84 | 94.03 | 131.4 | 145.2 | 155.2 | 144.4 | 1105.9 |
| 2003-2004 | 113 | 90.33 | 56.11 | 39.56 | 37.5 | 43.52 | 77.01 | 95.29 | 123.2 | 142 | 152.9 | 139.1 | 1109.4 |
| 2004-2005 | 113.5 | 91 | 54.36 | 37.33 | 41.12 | 41.84 | 75.69 | 96.19 | 125.6 | 141.2 | 151.7 | 139.5 | 1109.1 |
| 2005-2006 | 114.3 | 84.15 | 51.48 | 40.66 | 37.09 | 43.48 | 74.35 | 97.19 | 126.7 | 142.5 | 151.9 | 142.1 | 1105.9 |
| 2006-2007 | 116.8 | 88.71 | 53.87 | 38.3 | 39.67 | 44.55 | 75.95 | 94.17 | 126.2 | 144.8 | 153.4 | 140.2 | 1116.6 |
| 2007-2008 | 113.1 | 89.8 | 55.45 | 38.18 | 35.34 | 40.87 | 80.79 | 98.17 | 125 | 143.8 | 152.5 | 142.1 | 1115.0 |
| 2008-2009 | 113.1 | 86.56 | 58.86 | 40.05 | 41.11 | 45.32 | 74.5 | 96.14 | 125 | 145.3 | 153 | 141 | 1120.0 |
| 2009-2010 | 112.3 | 91.12 | 55.17 | 42.73 | 42.87 | 47.03 | 78.78 | 97.42 | 125.9 | 140.9 | 149.2 | 144.2 | 1127.6 |
| 2010-2011 | 115.9 | 88.54 | 60.68 | 44.65 | 40.75 | 45.52 | 75.33 | 94.44 | 123.5 | 142 | 151.5 | 141.3 | 1124.1 |
| 2011-2012 | 115.3 | 85.36 | 50.01 | 38.31 | 36.93 | 42.04 | 72.94 | 96.17 | 124 | 144 | 154.8 | 143.4 | 1103.3 |
| 2012-2013 | 114.5 | 89.45 | 58.23 | 41.03 | 40.19 | 48.16 | 76.52 | 97.64 | 128.7 | 141.8 | 149.8 | 141.5 | 1127.5 |
| 2013-2014 | 113.1 | 84.73 | 58.46 | 36.83 | 43.98 | 47.6 | 78.58 | 97.23 | 123.8 | 142.4 | 149.8 | 140.9 | 1117.3 |
| 2014-2015 | 114.1 | 86.55 | 54.31 | 43.68 | 38.43 | 44.06 | 77.53 | 93.17 | 125.8 | 139.1 | 150.7 | 142.6 | 1110.0 |
| AVERAGE | 112.8 | 87.0 | 54.4 | 38.8 | 38.6 | 43.7 | 74.6 | 95.2 | 124.9 | 142.2 | 151.1 | 140.0 | |

**Table A. 36** Cayirova station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 100.7 | 71.1 | 35.0 | 28.3 | 28.1 | 33.6 | 49.6 | 68.2 | 103.9 | 149.6 | 171.8 | 139.8 | 979.6 |
| 1979-1980 | 99.7 | 69.1 | 42.5 | 28.2 | 24.9 | 29.2 | 44.7 | 63.8 | 94.7 | 139.9 | 155.8 | 143.1 | 935.5 |
| 1980-1981 | 95.3 | 63.1 | 39.8 | 28.5 | 26.8 | 30.1 | 50.5 | 69.8 | 93.4 | 146.4 | 177.3 | 153.6 | 974.8 |
| 1981-1982 | 107.4 | 73.7 | 35.6 | 31.1 | 28.8 | 27.5 | 43.0 | 69.8 | 106.1 | 147.1 | 167.6 | 155.9 | 993.5 |
| 1982-1983 | 113.1 | 71.5 | 36.3 | 26.8 | 24.3 | 28.8 | 45.2 | 66.9 | 107.1 | 134.7 | 172.1 | 148.6 | 975.5 |
| 1983-1984 | 102.7 | 63.0 | 41.7 | 30.7 | 30.1 | 35.1 | 51.6 | 68.9 | 117.1 | 151.6 | 167.5 | 149.3 | 1009.2 |
| 1984-1985 | 104.5 | 78.2 | 38.3 | 27.9 | 30.5 | 29.0 | 48.8 | 72.2 | 115.1 | 149.8 | 173.8 | 163.7 | 1031.8 |
| 1985-1986 | 110.3 | 66.3 | 43.8 | 29.8 | 29.9 | 33.7 | 51.5 | 81.8 | 103.7 | 146.1 | 169.2 | 150.7 | 1016.9 |
| 1986-1987 | 110.7 | 64.8 | 34.3 | 25.5 | 28.4 | 34.9 | 42.5 | 66.1 | 100.9 | 139.6 | 181.8 | 161.2 | 990.7 |
| 1987-1988 | 109.7 | 67.3 | 40.2 | 29.0 | 28.1 | 31.5 | 47.0 | 70.8 | 116.0 | 153.4 | 197.6 | 167.4 | 1058.2 |
| 1988-1989 | 111.8 | 69.8 | 36.3 | 29.6 | 25.9 | 31.9 | 51.8 | 84.5 | 120.8 | 143.6 | 179.2 | 151.0 | 1036.2 |
| 1989-1990 | 105.3 | 63.2 | 40.6 | 29.5 | 26.6 | 31.8 | 52.1 | 74.9 | 111.2 | 142.8 | 175.8 | 158.8 | 1012.7 |
| 1990-1991 | 105.8 | 73.9 | 45.3 | 32.1 | 29.1 | 32.7 | 55.0 | 79.3 | 117.2 | 154.4 | 170.5 | 149.5 | 1045.0 |
| 1991-1992 | 101.3 | 70.4 | 38.9 | 25.5 | 24.1 | 24.9 | 43.8 | 66.2 | 99.9 | 138.0 | 160.5 | 155.1 | 948.6 |
| 1992-1993 | 104.3 | 71.1 | 39.5 | 24.4 | 26.1 | 27.8 | 47.4 | 66.4 | 99.0 | 147.2 | 172.0 | 147.9 | 973.1 |
| 1993-1994 | 101.7 | 79.1 | 37.7 | 31.7 | 31.0 | 31.8 | 49.8 | 78.6 | 122.6 | 162.7 | 179.4 | 167.2 | 1073.5 |
| 1994-1995 | 119.5 | 83.5 | 40.6 | 27.2 | 30.2 | 35.6 | 54.5 | 68.0 | 110.9 | 151.9 | 170.2 | 151.9 | 1043.9 |
| 1995-1996 | 105.5 | 64.7 | 33.6 | 27.6 | 26.3 | 32.2 | 46.0 | 63.0 | 110.0 | 146.6 | 171.1 | 153.1 | 979.5 |
| 1996-1997 | 102.1 | 66.0 | 42.4 | 34.0 | 30.8 | 29.8 | 46.0 | 64.8 | 112.3 | 154.5 | 186.5 | 144.4 | 1013.5 |
| 1997-1998 | 100.5 | 66.5 | 41.5 | 29.4 | 27.3 | 32.4 | 46.2 | 77.1 | 108.7 | 153.6 | 187.0 | 170.4 | 1040.6 |
| 1998-1999 | 108.2 | 73.1 | 44.7 | 30.6 | 30.8 | 33.0 | 50.7 | 70.3 | 121.7 | 152.4 | 182.8 | 164.2 | 1062.5 |
| 1999-2000 | 111.6 | 73.3 | 40.7 | 31.8 | 24.5 | 31.0 | 46.8 | 72.6 | 111.3 | 166.2 | 196.7 | 166.6 | 1073.1 |
| 2000-2001 | 110.3 | 67.2 | 41.8 | 30.3 | 30.2 | 33.4 | 58.0 | 77.6 | 113.7 | 155.9 | 181.9 | 165.4 | 1065.7 |
| 2001-2002 | 111.0 | 73.3 | 39.7 | 29.0 | 25.9 | 34.1 | 52.5 | 69.9 | 108.9 | 154.9 | 188.7 | 157.4 | 1045.3 |
| 2002-2003 | 108.0 | 70.8 | 43.1 | 27.7 | 31.5 | 28.8 | 45.6 | 69.4 | 124.9 | 154.8 | 190.2 | 169.8 | 1064.7 |
| 2003-2004 | 108.0 | 71.1 | 42.0 | 30.5 | 27.5 | 31.2 | 53.4 | 75.7 | 112.4 | 154.3 | 187.1 | 158.4 | 1051.5 |
| 2004-2005 | 109.8 | 78.4 | 43.1 | 28.2 | 29.9 | 31.8 | 53.1 | 75.7 | 115.8 | 150.7 | 180.9 | 164.2 | 1061.6 |
| 2005-2006 | 114.0 | 67.4 | 38.8 | 31.9 | 28.8 | 34.6 | 54.3 | 79.3 | 120.4 | 164.4 | 193.9 | 169.9 | 1097.7 |
| 2006-2007 | 123.2 | 77.2 | 40.1 | 30.1 | 28.8 | 34.8 | 53.8 | 73.6 | 124.2 | 170.0 | 201.0 | 176.2 | 1133.1 |
| 2007-2008 | 117.0 | 82.4 | 45.2 | 31.5 | 28.7 | 33.1 | 59.0 | 77.4 | 110.2 | 160.5 | 181.2 | 162.2 | 1088.3 |
| 2008-2009 | 110.3 | 73.2 | 46.7 | 31.1 | 30.5 | 33.0 | 48.8 | 72.9 | 110.0 | 161.5 | 185.1 | 164.4 | 1067.5 |
| 2009-2010 | 107.2 | 79.0 | 42.6 | 33.2 | 32.3 | 35.5 | 56.1 | 78.4 | 113.8 | 149.4 | 172.9 | 176.0 | 1076.5 |
| 2010-2011 | 115.5 | 74.2 | 44.5 | 32.4 | 28.7 | 31.5 | 48.2 | 69.4 | 110.6 | 154.9 | 184.5 | 165.1 | 1059.6 |
| 2011-2012 | 113.4 | 68.1 | 34.3 | 27.3 | 26.0 | 28.2 | 44.6 | 71.3 | 110.5 | 157.8 | 197.4 | 176.1 | 1055.0 |
| 2012-2013 | 112.2 | 74.2 | 42.8 | 29.3 | 27.3 | 33.5 | 50.7 | 76.1 | 121.7 | 158.5 | 186.8 | 167.9 | 1080.9 |
| 2013-2014 | 108.0 | 66.4 | 45.2 | 27.0 | 30.2 | 32.9 | 54.6 | 78.3 | 112.0 | 158.8 | 181.1 | 164.1 | 1058.6 |
| 2014-2015 | 113.7 | 69.6 | 38.7 | 31.8 | 26.4 | 30.4 | 50.5 | 68.3 | 115.3 | 146.4 | 180.9 | 175.1 | 1047.2 |
| AVERAGE | 108.5 | 71.2 | 40.5 | 29.5 | 28.3 | 31.8 | 49.9 | 72.4 | 111.6 | 152.0 | 180.0 | 160.2 | |

**Table A. 37** Cayirova station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.0 | 77.5 | 33.0 | 23.7 | 20.5 | 28.4 | 36.8 | 57.3 | 87.5 | 167.2 | 193.3 | 156.8 | 999.2 |
| 1979-1980 | 127.8 | 82.0 | 53.7 | 26.1 | 15.8 | 20.9 | 31.0 | 55.1 | 82.7 | 169.2 | 189.3 | 179.4 | 1033.0 |
| 1980-1981 | 111.6 | 66.8 | 44.2 | 24.9 | 18.5 | 21.4 | 39.6 | 62.0 | 75.0 | 167.0 | 206.9 | 181.5 | 1019.5 |
| 1981-1982 | 125.1 | 80.3 | 33.6 | 29.3 | 21.5 | 15.1 | 24.4 | 59.1 | 89.0 | 160.4 | 183.9 | 176.5 | 998.1 |
| 1982-1983 | 141.6 | 81.5 | 37.3 | 21.4 | 13.8 | 18.8 | 30.2 | 57.5 | 95.9 | 150.4 | 202.7 | 177.1 | 1028.2 |
| 1983-1984 | 109.5 | 59.4 | 42.8 | 26.4 | 22.3 | 28.8 | 37.0 | 53.1 | 96.1 | 154.3 | 169.8 | 155.0 | 954.6 |
| 1984-1985 | 110.4 | 79.8 | 35.8 | 20.6 | 22.8 | 16.5 | 31.6 | 57.6 | 92.3 | 149.4 | 175.1 | 170.4 | 962.3 |
| 1985-1986 | 116.6 | 62.6 | 45.6 | 23.9 | 21.5 | 25.2 | 35.6 | 72.3 | 77.5 | 142.4 | 166.9 | 152.4 | 942.5 |
| 1986-1987 | 134.1 | 68.8 | 32.0 | 17.9 | 21.3 | 31.9 | 24.5 | 54.3 | 84.7 | 153.9 | 210.5 | 189.8 | 1023.8 |
| 1987-1988 | 114.1 | 63.0 | 38.4 | 22.1 | 18.0 | 20.6 | 27.9 | 53.7 | 90.8 | 149.7 | 198.4 | 169.9 | 966.7 |
| 1988-1989 | 119.1 | 67.7 | 31.9 | 23.5 | 14.4 | 21.7 | 36.3 | 76.9 | 98.2 | 139.4 | 180.1 | 153.3 | 962.6 |
| 1989-1990 | 115.6 | 61.0 | 41.7 | 24.4 | 16.3 | 22.7 | 38.5 | 64.5 | 90.9 | 145.3 | 184.6 | 170.8 | 976.4 |
| 1990-1991 | 103.7 | 68.6 | 45.2 | 26.5 | 18.8 | 21.8 | 38.7 | 63.6 | 87.7 | 143.2 | 157.3 | 140.9 | 916.1 |
| 1991-1992 | 132.5 | 85.6 | 46.3 | 19.9 | 14.4 | 11.7 | 29.8 | 60.8 | 92.1 | 168.9 | 200.3 | 201.5 | 1063.9 |
| 1992-1993 | 128.5 | 81.3 | 44.5 | 16.2 | 17.4 | 16.9 | 34.6 | 56.8 | 84.7 | 172.1 | 203.7 | 177.0 | 1033.6 |
| 1993-1994 | 96.9 | 74.0 | 31.6 | 25.4 | 21.7 | 19.8 | 30.2 | 61.4 | 92.2 | 150.9 | 164.7 | 158.3 | 926.9 |
| 1994-1995 | 122.4 | 81.7 | 37.8 | 17.9 | 21.0 | 27.5 | 38.6 | 47.6 | 81.9 | 142.3 | 159.5 | 146.0 | 924.2 |
| 1995-1996 | 129.3 | 70.2 | 31.3 | 23.0 | 17.7 | 26.2 | 31.5 | 49.9 | 99.5 | 169.4 | 200.2 | 182.9 | 1031.2 |
| 1996-1997 | 109.7 | 64.3 | 44.5 | 33.4 | 23.9 | 18.5 | 27.7 | 46.9 | 91.2 | 160.1 | 195.9 | 150.1 | 966.3 |
| 1997-1998 | 104.5 | 63.3 | 41.6 | 23.4 | 17.0 | 22.8 | 27.3 | 65.2 | 84.3 | 153.9 | 190.8 | 177.9 | 972.0 |
| 1998-1999 | 105.6 | 67.0 | 43.9 | 23.6 | 21.4 | 22.0 | 31.6 | 49.6 | 91.9 | 139.3 | 169.8 | 156.2 | 921.9 |
| 1999-2000 | 113.4 | 69.3 | 38.1 | 26.6 | 11.6 | 19.2 | 26.8 | 54.9 | 83.0 | 161.7 | 191.5 | 164.1 | 960.0 |
| 2000-2001 | 107.7 | 59.2 | 38.7 | 22.9 | 20.3 | 22.7 | 42.7 | 60.3 | 82.7 | 143.0 | 168.0 | 156.9 | 925.2 |
| 2001-2002 | 116.2 | 71.3 | 37.6 | 22.0 | 14.2 | 25.7 | 36.9 | 52.4 | 82.8 | 152.3 | 188.5 | 158.5 | 958.3 |
| 2002-2003 | 109.6 | 66.5 | 42.6 | 19.2 | 23.5 | 15.4 | 25.2 | 50.4 | 99.0 | 148.3 | 185.5 | 169.0 | 954.2 |
| 2003-2004 | 109.6 | 66.9 | 40.7 | 24.4 | 16.6 | 19.5 | 37.3 | 60.1 | 84.9 | 147.8 | 182.1 | 155.9 | 945.8 |
| 2004-2005 | 108.3 | 74.1 | 41.4 | 19.4 | 20.0 | 20.1 | 35.6 | 58.0 | 86.0 | 138.0 | 168.7 | 157.2 | 926.6 |
| 2005-2006 | 108.0 | 57.3 | 32.3 | 24.8 | 17.3 | 23.8 | 35.6 | 60.3 | 86.6 | 147.3 | 174.1 | 155.4 | 923.0 |
| 2006-2007 | 111.9 | 65.6 | 32.6 | 20.5 | 16.4 | 22.9 | 32.8 | 49.1 | 85.6 | 144.6 | 170.8 | 152.7 | 905.4 |
| 2007-2008 | 108.7 | 73.6 | 41.7 | 23.5 | 16.8 | 20.6 | 41.5 | 56.0 | 74.0 | 138.9 | 156.3 | 143.5 | 895.1 |
| 2008-2009 | 107.2 | 66.4 | 46.7 | 24.3 | 20.7 | 21.8 | 28.6 | 53.0 | 78.2 | 149.0 | 170.5 | 154.8 | 921.1 |
| 2009-2010 | 98.4 | 70.2 | 37.9 | 26.7 | 22.6 | 25.0 | 37.6 | 57.9 | 78.3 | 127.1 | 148.7 | 158.9 | 889.4 |
| 2010-2011 | 116.2 | 69.3 | 44.1 | 27.3 | 18.2 | 19.6 | 28.4 | 49.1 | 80.7 | 144.6 | 174.3 | 159.5 | 931.4 |
| 2011-2012 | 125.7 | 67.7 | 29.3 | 19.8 | 15.1 | 15.4 | 25.5 | 57.9 | 89.2 | 165.2 | 210.2 | 190.8 | 1011.7 |
| 2012-2013 | 109.1 | 67.5 | 40.1 | 20.9 | 15.4 | 22.6 | 31.3 | 57.5 | 90.6 | 144.8 | 171.9 | 158.1 | 929.7 |
| 2013-2014 | 107.5 | 59.4 | 45.4 | 17.4 | 20.8 | 22.4 | 38.5 | 62.8 | 82.8 | 150.3 | 171.3 | 159.2 | 938.0 |
| 2014-2015 | 120.3 | 66.7 | 36.0 | 27.5 | 15.2 | 18.7 | 33.8 | 50.3 | 90.8 | 141.7 | 180.2 | 180.6 | 961.8 |
| AVERAGE | 115.0 | 69.6 | 39.5 | 23.3 | 18.5 | 21.5 | 33.0 | 57.2 | 87.1 | 151.2 | 181.5 | 164.8 | |

**Table A. 38** Cayirova station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 177.5 | 172.3 | 136.1 | 132.3 | 128.2 | 120.1 | 136.7 | 142 | 163.1 | 179.4 | 195.1 | 190 | 1872.7 |
| 1979-1980 | 176.8 | 170.3 | 149.4 | 132.1 | 119.7 | 111.1 | 129.4 | 137.5 | 156.6 | 174.8 | 188.2 | 191.6 | 1837.5 |
| 1980-1981 | 173.7 | 163.9 | 145 | 132.8 | 124.9 | 113.1 | 138 | 143.7 | 155.6 | 177.9 | 197.3 | 196.6 | 1862.5 |
| 1981-1982 | 181.9 | 174.9 | 137.3 | 138.9 | 129.8 | 107.3 | 126.6 | 143.6 | 164.6 | 178.3 | 193.3 | 197.7 | 1874.0 |
| 1982-1983 | 185.4 | 172.8 | 138.7 | 128.4 | 118 | 110.2 | 130.2 | 140.8 | 165.3 | 172.2 | 195.2 | 194.3 | 1851.4 |
| 1983-1984 | 178.8 | 163.8 | 148.1 | 138.1 | 132.9 | 122.8 | 139.6 | 142.7 | 171.6 | 180.2 | 193.3 | 194.7 | 1906.5 |
| 1984-1985 | 180 | 179 | 142.3 | 131.3 | 133.9 | 110.7 | 135.5 | 145.9 | 170.3 | 179.5 | 195.9 | 201.1 | 1905.5 |
| 1985-1986 | 183.7 | 167.4 | 151.5 | 135.8 | 132.5 | 120.2 | 139.4 | 154.5 | 163 | 177.8 | 194 | 195.3 | 1915.1 |
| 1986-1987 | 183.9 | 165.8 | 134.7 | 124.8 | 128.8 | 122.5 | 125.9 | 139.9 | 161.1 | 174.7 | 199 | 200 | 1861.2 |
| 1987-1988 | 183.3 | 168.5 | 145.7 | 134 | 128.2 | 116 | 133 | 144.6 | 170.9 | 181.1 | 204.9 | 202.7 | 1912.8 |
| 1988-1989 | 184.6 | 171 | 138.8 | 135.3 | 122.4 | 116.7 | 139.8 | 156.7 | 173.7 | 176.6 | 198 | 195.4 | 1909.0 |
| 1989-1990 | 180.5 | 164.1 | 146.4 | 135 | 124.2 | 116.6 | 140.2 | 148.5 | 167.9 | 176.2 | 196.7 | 199 | 1895.3 |
| 1990-1991 | 180.9 | 175 | 153.8 | 141 | 130.7 | 118.4 | 144 | 152.3 | 171.6 | 181.5 | 194.5 | 194.8 | 1938.5 |
| 1991-1992 | 177.9 | 171.6 | 143.5 | 124.8 | 117.4 | 100.9 | 128 | 140 | 160.3 | 173.9 | 190.2 | 197.3 | 1825.9 |
| 1992-1993 | 179.9 | 172.3 | 144.5 | 121.7 | 123 | 108.1 | 133.6 | 140.2 | 159.7 | 178.3 | 195.2 | 193.9 | 1850.3 |
| 1993-1994 | 178.2 | 179.8 | 141.3 | 140.3 | 135.2 | 116.6 | 137.1 | 151.7 | 174.8 | 185.1 | 198.1 | 202.6 | 1940.6 |
| 1994-1995 | 189.2 | 183.6 | 146.3 | 129.4 | 133.3 | 123.7 | 143.4 | 141.9 | 167.7 | 180.4 | 194.4 | 195.8 | 1929.1 |
| 1995-1996 | 180.6 | 165.7 | 133.4 | 130.4 | 123.6 | 117.2 | 131.4 | 136.6 | 167.1 | 178 | 194.8 | 196.4 | 1855.2 |
| 1996-1997 | 178.4 | 167 | 149.2 | 145.2 | 134.6 | 112.4 | 131.4 | 138.6 | 168.6 | 181.6 | 200.8 | 192.3 | 1900.1 |
| 1997-1998 | 177.4 | 167.6 | 147.7 | 135 | 126.2 | 117.7 | 131.7 | 150.4 | 166.3 | 181.2 | 201 | 204 | 1906.2 |
| 1998-1999 | 182.4 | 174.3 | 153 | 137.8 | 134.6 | 118.8 | 138.2 | 144 | 174.3 | 180.6 | 199.4 | 201.4 | 1938.8 |
| 1999-2000 | 184.5 | 174.5 | 146.4 | 140.4 | 118.5 | 115 | 132.7 | 146.3 | 168 | 186.5 | 204.6 | 202.3 | 1919.8 |
| 2000-2001 | 183.7 | 168.3 | 148.3 | 137 | 133.2 | 119.7 | 147.7 | 150.9 | 169.5 | 182.2 | 199.1 | 201.9 | 1941.4 |
| 2001-2002 | 184.1 | 174.4 | 144.8 | 133.9 | 122.4 | 121 | 140.8 | 143.7 | 166.4 | 181.8 | 201.6 | 198.4 | 1913.3 |
| 2002-2003 | 182.3 | 172 | 150.3 | 130.8 | 136.2 | 110.4 | 130.9 | 143.2 | 176.1 | 181.7 | 202.2 | 203.7 | 1919.8 |
| 2003-2004 | 182.2 | 172.3 | 148.6 | 137.5 | 126.6 | 115.2 | 141.9 | 149.2 | 168.7 | 181.5 | 201.1 | 198.8 | 1923.6 |
| 2004-2005 | 183.4 | 179.2 | 150.4 | 132 | 132.4 | 116.6 | 141.6 | 149.1 | 170.8 | 179.8 | 198.7 | 201.3 | 1935.4 |
| 2005-2006 | 185.9 | 168.6 | 143.1 | 140.6 | 129.9 | 121.9 | 143.1 | 152.3 | 173.5 | 185.8 | 203.6 | 203.7 | 1952.1 |
| 2006-2007 | 191.2 | 178.1 | 145.4 | 136.6 | 129.8 | 122.3 | 142.4 | 147.2 | 175.7 | 188.1 | 206.1 | 206.3 | 1969.5 |
| 2007-2008 | 187.7 | 182.7 | 153.6 | 139.7 | 129.8 | 119 | 149 | 150.6 | 167.2 | 184.1 | 198.8 | 200.5 | 1962.7 |
| 2008-2009 | 183.7 | 174.3 | 155.9 | 138.9 | 133.9 | 118.8 | 135.7 | 146.6 | 167.2 | 184.6 | 200.3 | 201.4 | 1941.2 |
| 2009-2010 | 181.8 | 179.7 | 149.6 | 143.5 | 138 | 123.5 | 145.4 | 151.5 | 169.5 | 179.3 | 195.5 | 206.2 | 1963.7 |
| 2010-2011 | 186.8 | 175.3 | 152.6 | 141.8 | 129.7 | 115.9 | 134.8 | 143.2 | 167.5 | 181.8 | 200.1 | 201.7 | 1931.2 |
| 2011-2012 | 185.5 | 169.3 | 134.9 | 129.7 | 122.6 | 108.8 | 129.2 | 145.1 | 167.5 | 183 | 204.8 | 206.3 | 1886.7 |
| 2012-2013 | 184.8 | 175.3 | 150 | 134.6 | 126.1 | 119.8 | 138.3 | 149.5 | 174.2 | 183.3 | 201 | 202.9 | 1939.8 |
| 2013-2014 | 182.3 | 167.5 | 153.6 | 128.8 | 133.2 | 118.8 | 143.5 | 151.5 | 168.4 | 183.5 | 198.8 | 201.3 | 1931.1 |
| 2014-2015 | 185.7 | 170.8 | 143.1 | 140.4 | 123.7 | 113.6 | 138 | 142.2 | 170.5 | 177.9 | 198.7 | 205.9 | 1910.6 |
| AVERAGE | 182.4 | 172.2 | 145.9 | 134.9 | 128.3 | 116.3 | 137.0 | 145.9 | 168.0 | 180.4 | 198.2 | 199.5 | |

**Table A. 39** Cayirova station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 136.4 | 63.71 | 45.85 | 42.3 | 42.21 | 42.96 | 53.77 | 115.6 | 142.4 | 162.2 | 173.4 | 158.9 | 1179.7 |
| 1979-1980 | 135.9 | 62.97 | 50.34 | 42.24 | 39.4 | 39.74 | 50.88 | 111.9 | 136.7 | 158 | 167.3 | 160.3 | 1155.7 |
| 1980-1981 | 133.6 | 60.63 | 48.83 | 42.48 | 41.11 | 40.48 | 54.27 | 116.9 | 135.9 | 160.8 | 175.4 | 164.5 | 1174.8 |
| 1981-1982 | 139.8 | 64.66 | 46.24 | 44.42 | 42.75 | 38.39 | 49.8 | 116.9 | 143.7 | 161.1 | 171.9 | 165.4 | 1185.0 |
| 1982-1983 | 142.5 | 63.89 | 46.72 | 41.08 | 38.84 | 39.43 | 51.21 | 114.5 | 144.3 | 155.7 | 173.5 | 162.6 | 1174.2 |
| 1983-1984 | 137.5 | 60.56 | 49.88 | 44.16 | 43.76 | 43.93 | 54.9 | 116.1 | 149.7 | 163 | 171.8 | 162.8 | 1198.1 |
| 1984-1985 | 138.4 | 66.21 | 47.92 | 42 | 44.1 | 39.61 | 53.32 | 118.7 | 148.7 | 162.2 | 174.2 | 168.3 | 1203.6 |
| 1985-1986 | 141.2 | 61.92 | 51.05 | 43.44 | 43.64 | 43 | 54.82 | 125.7 | 142.3 | 160.7 | 172.4 | 163.4 | 1203.6 |
| 1986-1987 | 141.4 | 61.32 | 45.39 | 39.91 | 42.41 | 43.83 | 49.52 | 113.8 | 140.6 | 157.9 | 176.9 | 167.3 | 1180.4 |
| 1987-1988 | 140.9 | 62.31 | 49.09 | 42.87 | 42.22 | 41.49 | 52.31 | 117.7 | 149.2 | 163.7 | 182.2 | 169.6 | 1213.5 |
| 1988-1989 | 141.9 | 63.24 | 46.74 | 43.29 | 40.29 | 41.73 | 55 | 127.5 | 151.6 | 159.6 | 176.1 | 163.5 | 1210.5 |
| 1989-1990 | 138.8 | 60.67 | 49.3 | 43.19 | 40.9 | 41.72 | 55.12 | 120.8 | 146.6 | 159.3 | 174.9 | 166.5 | 1197.7 |
| 1990-1991 | 139 | 64.73 | 51.79 | 45.11 | 43.04 | 42.35 | 56.65 | 123.9 | 149.8 | 164.1 | 172.9 | 162.9 | 1216.4 |
| 1991-1992 | 136.7 | 63.47 | 48.33 | 39.91 | 38.64 | 36.09 | 50.33 | 113.9 | 140 | 157.2 | 169.1 | 165.1 | 1158.8 |
| 1992-1993 | 138.3 | 63.73 | 48.67 | 38.92 | 40.48 | 38.67 | 52.55 | 114.1 | 139.4 | 161.2 | 173.5 | 162.3 | 1171.7 |
| 1993-1994 | 137 | 66.5 | 47.58 | 44.87 | 44.51 | 41.7 | 53.92 | 123.4 | 152.6 | 167.3 | 176.1 | 169.5 | 1225.0 |
| 1994-1995 | 145.4 | 67.91 | 49.3 | 41.39 | 43.89 | 44.26 | 56.4 | 115.4 | 146.4 | 163.1 | 172.8 | 163.8 | 1210.1 |
| 1995-1996 | 138.9 | 61.29 | 44.94 | 41.7 | 40.68 | 41.94 | 51.67 | 111.2 | 145.9 | 160.9 | 173.1 | 164.3 | 1176.5 |
| 1996-1997 | 137.2 | 61.77 | 50.27 | 46.45 | 44.32 | 40.22 | 51.67 | 112.7 | 147.2 | 164.1 | 178.5 | 160.9 | 1195.3 |
| 1997-1998 | 136.3 | 61.97 | 49.77 | 43.18 | 41.56 | 42.1 | 51.81 | 122.4 | 145.2 | 163.8 | 178.7 | 170.6 | 1207.4 |
| 1998-1999 | 140.2 | 64.45 | 51.52 | 44.07 | 44.32 | 42.52 | 54.37 | 117.2 | 152.1 | 163.3 | 177.3 | 168.4 | 1219.8 |
| 1999-2000 | 141.8 | 64.52 | 49.33 | 44.91 | 39.03 | 41.14 | 52.2 | 119.1 | 146.7 | 168.6 | 181.9 | 169.3 | 1218.4 |
| 2000-2001 | 141.2 | 62.26 | 49.96 | 43.82 | 43.86 | 42.82 | 58.1 | 122.8 | 147.9 | 164.7 | 177 | 168.9 | 1223.3 |
| 2001-2002 | 141.5 | 64.5 | 48.79 | 42.83 | 40.31 | 43.27 | 55.38 | 116.9 | 145.3 | 164.3 | 179.3 | 165.9 | 1208.4 |
| 2002-2003 | 140.1 | 63.61 | 50.64 | 41.82 | 44.87 | 39.47 | 51.48 | 116.5 | 153.7 | 164.3 | 179.8 | 170.4 | 1216.7 |
| 2003-2004 | 140.1 | 63.73 | 50.04 | 43.99 | 41.7 | 41.22 | 55.81 | 121.4 | 147.2 | 164.1 | 178.8 | 166.3 | 1214.3 |
| 2004-2005 | 141 | 66.28 | 50.67 | 42.21 | 43.6 | 41.72 | 55.67 | 121.4 | 149.1 | 162.6 | 176.6 | 168.4 | 1219.2 |
| 2005-2006 | 142.9 | 62.34 | 48.22 | 44.98 | 42.77 | 43.59 | 56.31 | 124 | 151.5 | 168 | 181 | 170.4 | 1236.0 |
| 2006-2007 | 147 | 65.87 | 48.99 | 43.68 | 42.75 | 43.76 | 56.02 | 119.8 | 153.4 | 170 | 183.2 | 172.6 | 1247.2 |
| 2007-2008 | 144.3 | 67.57 | 51.73 | 44.69 | 42.72 | 42.58 | 58.59 | 122.6 | 146 | 166.5 | 176.8 | 167.7 | 1231.7 |
| 2008-2009 | 141.2 | 64.47 | 52.5 | 44.42 | 44.1 | 42.51 | 53.36 | 119.3 | 145.9 | 166.9 | 178.1 | 168.5 | 1221.2 |
| 2009-2010 | 139.7 | 66.47 | 50.4 | 45.92 | 45.43 | 44.2 | 57.2 | 123.3 | 148 | 162.1 | 173.8 | 172.5 | 1229.1 |
| 2010-2011 | 143.6 | 64.82 | 51.41 | 45.34 | 42.71 | 41.46 | 53.01 | 116.5 | 146.2 | 164.3 | 177.9 | 168.8 | 1216.1 |
| 2011-2012 | 142.7 | 62.61 | 45.43 | 41.47 | 40.36 | 38.94 | 50.81 | 118.1 | 146.2 | 165.4 | 182.1 | 172.6 | 1206.6 |
| 2012-2013 | 142.1 | 64.82 | 50.51 | 43.04 | 41.52 | 42.87 | 54.39 | 121.7 | 152.1 | 165.7 | 178.7 | 169.7 | 1227.1 |
| 2013-2014 | 140.1 | 61.93 | 51.73 | 41.19 | 43.86 | 42.49 | 56.45 | 123.3 | 147 | 165.8 | 176.7 | 168.4 | 1219.0 |
| 2014-2015 | 142.8 | 63.18 | 48.2 | 44.9 | 40.74 | 40.66 | 54.28 | 115.7 | 148.8 | 160.8 | 176.6 | 172.2 | 1208.9 |
| AVERAGE | 140.3 | 63.7 | 49.1 | 43.1 | 42.3 | 41.6 | 53.9 | 118.7 | 146.6 | 163.1 | 176.2 | 166.9 | |

**Table A. 40** Cayirova station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114.1 | 90.88 | 52.4 | 40.86 | 42.32 | 49.36 | 78.16 | 96.27 | 125.4 | 144.7 | 152.7 | 138.6 | 1125.7 |
| 1979-1980 | 113.7 | 89.77 | 59.87 | 40.76 | 37.56 | 44.3 | 74.05 | 93.74 | 121.7 | 142.1 | 148.8 | 139.5 | 1105.9 |
| 1980-1981 | 112 | 86.21 | 57.37 | 41.18 | 40.47 | 45.46 | 78.87 | 97.18 | 121.2 | 143.9 | 153.9 | 142.3 | 1120.0 |
| 1981-1982 | 116.6 | 92.34 | 53.04 | 44.58 | 43.25 | 42.19 | 72.51 | 97.14 | 126.2 | 144.1 | 151.7 | 142.9 | 1126.4 |
| 1982-1983 | 118.5 | 91.17 | 53.85 | 38.72 | 36.59 | 43.81 | 74.51 | 95.55 | 126.6 | 140.7 | 152.7 | 141 | 1113.7 |
| 1983-1984 | 114.8 | 86.12 | 59.12 | 44.11 | 44.97 | 50.87 | 79.78 | 96.65 | 130.1 | 145.2 | 151.7 | 141.2 | 1144.6 |
| 1984-1985 | 115.5 | 94.68 | 55.85 | 40.34 | 45.55 | 44.1 | 77.52 | 98.42 | 129.4 | 144.7 | 153.1 | 144.8 | 1144.1 |
| 1985-1986 | 117.6 | 88.17 | 61.05 | 42.85 | 44.77 | 49.42 | 79.67 | 103.2 | 125.3 | 143.8 | 152.1 | 141.6 | 1149.5 |
| 1986-1987 | 117.7 | 87.28 | 51.61 | 36.66 | 42.68 | 50.71 | 72.11 | 95.07 | 124.2 | 142 | 154.9 | 144.2 | 1119.3 |
| 1987-1988 | 117.4 | 88.76 | 57.8 | 41.85 | 42.34 | 47.04 | 76.09 | 97.69 | 129.7 | 145.6 | 158.2 | 145.7 | 1148.2 |
| 1988-1989 | 118.1 | 90.18 | 53.88 | 42.59 | 39.06 | 47.43 | 79.92 | 104.5 | 131.3 | 143.1 | 154.3 | 141.6 | 1146.0 |
| 1989-1990 | 115.8 | 86.29 | 58.14 | 42.43 | 40.1 | 47.4 | 80.1 | 99.88 | 128.1 | 142.9 | 153.6 | 143.6 | 1138.4 |
| 1990-1991 | 116 | 92.43 | 62.29 | 45.78 | 43.75 | 48.39 | 82.27 | 102 | 130.2 | 145.9 | 152.4 | 141.3 | 1162.6 |
| 1991-1992 | 114.3 | 90.52 | 56.53 | 36.67 | 36.26 | 38.58 | 73.27 | 95.15 | 123.8 | 141.6 | 150 | 142.7 | 1099.4 |
| 1992-1993 | 115.4 | 90.92 | 57.1 | 34.93 | 39.39 | 42.62 | 76.42 | 95.24 | 123.5 | 144.1 | 152.7 | 140.8 | 1113.1 |
| 1993-1994 | 114.5 | 95.12 | 55.28 | 45.37 | 46.24 | 47.38 | 78.4 | 101.7 | 131.9 | 147.9 | 154.4 | 145.7 | 1163.8 |
| 1994-1995 | 120.6 | 97.27 | 58.14 | 39.27 | 45.19 | 51.39 | 81.9 | 96.16 | 128 | 145.3 | 152.3 | 141.9 | 1157.3 |
| 1995-1996 | 115.9 | 87.21 | 50.88 | 39.8 | 39.74 | 47.75 | 75.18 | 93.21 | 127.6 | 143.9 | 152.5 | 142.2 | 1115.9 |
| 1996-1997 | 114.6 | 87.95 | 59.75 | 48.12 | 45.92 | 45.05 | 75.16 | 94.31 | 128.5 | 145.9 | 155.9 | 139.9 | 1141.1 |
| 1997-1998 | 114 | 88.26 | 58.92 | 42.39 | 41.22 | 48.01 | 75.37 | 100.9 | 127.2 | 145.7 | 156 | 146.4 | 1144.5 |
| 1998-1999 | 116.8 | 92.03 | 61.85 | 43.95 | 45.92 | 48.65 | 79.03 | 97.4 | 131.6 | 145.4 | 155.1 | 145 | 1162.8 |
| 1999-2000 | 118 | 92.12 | 58.18 | 45.43 | 36.91 | 46.51 | 75.94 | 98.66 | 128.1 | 148.7 | 158 | 145.5 | 1152.1 |
| 2000-2001 | 117.6 | 88.68 | 59.22 | 43.52 | 45.15 | 49.13 | 84.33 | 101.2 | 129 | 146.3 | 154.9 | 145.3 | 1164.2 |
| 2001-2002 | 117.8 | 92.08 | 57.29 | 41.78 | 39.09 | 49.84 | 80.47 | 97.2 | 127.3 | 146 | 156.4 | 143.3 | 1148.5 |
| 2002-2003 | 116.8 | 90.75 | 60.38 | 40.03 | 46.85 | 43.89 | 74.89 | 96.93 | 132.7 | 146 | 156.7 | 146.3 | 1152.1 |
| 2003-2004 | 116.8 | 90.92 | 59.37 | 43.82 | 41.46 | 46.64 | 81.08 | 100.3 | 128.5 | 145.9 | 156.1 | 143.5 | 1154.3 |
| 2004-2005 | 117.4 | 94.79 | 60.41 | 40.71 | 44.7 | 47.4 | 80.89 | 100.2 | 129.7 | 144.9 | 154.7 | 145 | 1160.9 |
| 2005-2006 | 118.8 | 88.82 | 56.33 | 45.55 | 43.29 | 50.35 | 81.78 | 102.1 | 131.2 | 148.3 | 157.5 | 146.3 | 1170.3 |
| 2006-2007 | 121.8 | 94.17 | 57.62 | 43.29 | 43.26 | 50.6 | 81.38 | 99.18 | 132.5 | 149.6 | 158.9 | 147.8 | 1180.0 |
| 2007-2008 | 119.8 | 96.75 | 62.2 | 45.04 | 43.21 | 48.74 | 85.05 | 101.1 | 127.7 | 147.4 | 154.8 | 144.5 | 1176.2 |
| 2008-2009 | 117.6 | 92.04 | 63.48 | 44.57 | 45.56 | 48.64 | 77.58 | 98.84 | 127.7 | 147.6 | 155.6 | 145 | 1164.2 |
| 2009-2010 | 116.5 | 95.08 | 59.96 | 47.19 | 47.81 | 51.29 | 83.07 | 101.6 | 129 | 144.7 | 152.9 | 147.7 | 1176.7 |
| 2010-2011 | 119.3 | 92.58 | 61.65 | 46.21 | 43.18 | 47 | 77.08 | 96.94 | 127.9 | 146 | 155.5 | 145.2 | 1158.5 |
| 2011-2012 | 118.6 | 89.22 | 51.69 | 39.42 | 39.19 | 43.04 | 73.95 | 97.97 | 127.8 | 146.7 | 158.2 | 147.7 | 1133.5 |
| 2012-2013 | 118.2 | 92.59 | 60.16 | 42.15 | 41.15 | 49.22 | 79.04 | 100.5 | 131.6 | 146.9 | 156 | 145.8 | 1163.3 |
| 2013-2014 | 116.8 | 88.21 | 62.19 | 38.92 | 45.13 | 48.62 | 81.99 | 101.6 | 128.4 | 147 | 154.8 | 144.9 | 1158.4 |
| 2014-2015 | 118.7 | 90.09 | 56.32 | 45.42 | 39.82 | 45.74 | 78.91 | 96.34 | 129.5 | 143.9 | 154.7 | 147.5 | 1146.9 |
| AVERAGE | 116.9 | 90.9 | 57.9 | 42.3 | 42.4 | 47.2 | 78.3 | 98.4 | 128.1 | 145.2 | 154.5 | 143.9 | |

**Table A. 41** Degirmenlik station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 96.7 | 70.1 | 34.0 | 28.6 | 25.1 | 31.6 | 47.9 | 68.7 | 110.7 | 156.6 | 182.6 | 152.9 | 1005.3 |
| 1979-1980 | 108.8 | 66.5 | 40.2 | 25.4 | 23.2 | 25.7 | 41.4 | 61.7 | 103.9 | 152.5 | 179.8 | 159.4 | 988.6 |
| 1980-1981 | 95.4 | 66.3 | 39.2 | 26.6 | 24.7 | 28.3 | 45.6 | 67.3 | 93.5 | 152.7 | 172.1 | 147.5 | 959.4 |
| 1981-1982 | 102.0 | 71.9 | 32.2 | 28.9 | 25.1 | 24.7 | 38.4 | 63.2 | 99.9 | 146.5 | 161.1 | 151.8 | 945.9 |
| 1982-1983 | 104.8 | 64.9 | 31.7 | 24.1 | 21.6 | 25.3 | 42.0 | 65.8 | 107.9 | 135.0 | 166.7 | 144.7 | 934.3 |
| 1983-1984 | 97.7 | 59.7 | 38.4 | 27.0 | 26.1 | 29.5 | 44.9 | 61.2 | 117.1 | 141.9 | 170.7 | 132.5 | 946.7 |
| 1984-1985 | 88.4 | 64.7 | 31.2 | 23.3 | 26.3 | 24.9 | 41.9 | 68.0 | 115.1 | 141.1 | 163.8 | 178.3 | 967.0 |
| 1985-1986 | 112.2 | 63.3 | 42.7 | 27.8 | 24.6 | 29.1 | 46.2 | 75.6 | 94.7 | 145.2 | 171.6 | 146.3 | 979.3 |
| 1986-1987 | 106.0 | 61.5 | 30.9 | 24.5 | 25.0 | 29.7 | 36.1 | 61.0 | 101.3 | 139.8 | 177.9 | 148.7 | 942.4 |
| 1987-1988 | 100.3 | 57.7 | 33.9 | 25.3 | 24.1 | 26.9 | 40.8 | 66.7 | 110.8 | 146.7 | 192.2 | 155.7 | 981.1 |
| 1988-1989 | 101.0 | 57.4 | 29.3 | 23.7 | 20.7 | 25.6 | 44.6 | 83.5 | 113.9 | 138.5 | 176.9 | 145.3 | 960.4 |
| 1989-1990 | 95.3 | 56.4 | 35.5 | 26.8 | 21.9 | 26.8 | 45.2 | 67.7 | 106.2 | 141.2 | 165.8 | 149.2 | 938.1 |
| 1990-1991 | 95.3 | 65.2 | 37.5 | 26.7 | 24.3 | 26.8 | 48.3 | 69.6 | 100.6 | 149.2 | 161.4 | 143.4 | 948.1 |
| 1991-1992 | 98.0 | 65.3 | 34.9 | 22.2 | 21.0 | 20.3 | 33.1 | 58.4 | 97.9 | 131.1 | 151.4 | 158.4 | 891.9 |
| 1992-1993 | 97.1 | 66.3 | 34.2 | 21.1 | 22.4 | 23.6 | 40.5 | 64.0 | 89.7 | 147.5 | 168.8 | 161.2 | 936.3 |
| 1993-1994 | 102.1 | 77.8 | 32.5 | 26.4 | 26.2 | 27.6 | 43.0 | 72.9 | 110.3 | 144.3 | 168.5 | 157.8 | 989.5 |
| 1994-1995 | 109.6 | 71.5 | 32.1 | 22.0 | 24.2 | 28.1 | 43.4 | 61.3 | 109.6 | 152.1 | 170.9 | 148.4 | 973.3 |
| 1995-1996 | 96.3 | 59.8 | 28.8 | 23.0 | 22.2 | 28.3 | 41.9 | 59.6 | 117.6 | 153.9 | 178.6 | 153.1 | 963.2 |
| 1996-1997 | 96.0 | 56.8 | 37.3 | 27.2 | 25.2 | 25.0 | 37.2 | 53.6 | 113.5 | 153.7 | 182.2 | 133.6 | 941.3 |
| 1997-1998 | 92.9 | 61.4 | 36.9 | 25.3 | 22.9 | 27.5 | 41.4 | 73.8 | 107.4 | 157.8 | 192.1 | 173.0 | 1012.3 |
| 1998-1999 | 102.3 | 67.6 | 38.9 | 26.5 | 24.7 | 25.6 | 42.7 | 62.0 | 109.7 | 138.5 | 173.8 | 145.3 | 957.6 |
| 1999-2000 | 94.4 | 62.3 | 34.4 | 25.7 | 22.1 | 26.9 | 41.0 | 67.7 | 106.9 | 155.9 | 190.3 | 156.5 | 984.2 |
| 2000-2001 | 105.0 | 62.2 | 38.5 | 25.8 | 25.2 | 28.7 | 53.9 | 70.2 | 114.3 | 154.5 | 183.8 | 158.1 | 1020.2 |
| 2001-2002 | 102.0 | 64.7 | 35.2 | 25.3 | 22.5 | 31.1 | 48.4 | 64.1 | 103.7 | 152.3 | 186.8 | 153.4 | 989.6 |
| 2002-2003 | 98.7 | 64.7 | 38.3 | 24.2 | 27.3 | 25.2 | 39.4 | 64.9 | 131.3 | 158.3 | 195.1 | 169.4 | 1036.8 |
| 2003-2004 | 102.4 | 69.6 | 37.8 | 25.9 | 24.1 | 27.6 | 49.6 | 70.2 | 107.6 | 155.9 | 194.2 | 153.8 | 1018.8 |
| 2004-2005 | 106.4 | 71.9 | 36.8 | 24.3 | 25.0 | 26.7 | 47.7 | 70.9 | 108.8 | 143.4 | 183.1 | 155.3 | 1000.2 |
| 2005-2006 | 105.1 | 60.6 | 33.1 | 26.3 | 23.5 | 28.0 | 44.9 | 70.7 | 111.3 | 155.9 | 177.4 | 161.3 | 998.0 |
| 2006-2007 | 104.7 | 62.2 | 32.4 | 24.0 | 23.6 | 28.5 | 45.1 | 64.4 | 113.2 | 161.4 | 195.0 | 158.9 | 1013.3 |
| 2007-2008 | 103.9 | 69.1 | 37.3 | 25.1 | 22.0 | 26.4 | 55.4 | 76.4 | 108.6 | 159.4 | 185.6 | 165.2 | 1034.4 |
| 2008-2009 | 99.1 | 62.5 | 38.7 | 25.8 | 25.7 | 28.7 | 42.9 | 68.0 | 107.3 | 165.8 | 186.1 | 156.5 | 1007.0 |
| 2009-2010 | 96.3 | 70.8 | 35.3 | 30.4 | 29.1 | 31.6 | 48.7 | 71.7 | 111.5 | 142.1 | 171.8 | 174.4 | 1013.8 |
| 2010-2011 | 108.1 | 66.9 | 41.6 | 29.5 | 25.2 | 28.3 | 44.4 | 63.2 | 100.3 | 146.7 | 181.5 | 160.0 | 995.8 |
| 2011-2012 | 106.6 | 60.4 | 31.2 | 24.5 | 22.9 | 25.2 | 40.8 | 69.5 | 101.8 | 157.4 | 195.8 | 165.4 | 1001.6 |
| 2012-2013 | 104.9 | 66.5 | 38.7 | 26.5 | 24.2 | 30.0 | 47.1 | 71.9 | 120.2 | 149.8 | 174.2 | 163.7 | 1017.6 |
| 2013-2014 | 99.5 | 60.0 | 39.9 | 23.7 | 27.4 | 29.9 | 48.9 | 70.6 | 103.5 | 149.4 | 171.5 | 156.6 | 981.2 |
| 2014-2015 | 98.3 | 61.1 | 34.3 | 28.3 | 23.6 | 27.0 | 46.3 | 62.5 | 109.9 | 133.9 | 175.6 | 162.3 | 963.1 |
| AVERAGE | 100.9 | 64.5 | 35.6 | 25.6 | 24.2 | 27.3 | 44.1 | 67.1 | 107.9 | 148.9 | 177.8 | 155.6 | |

**Table A. 42** Degirmenlik station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 110.6 | 77.5 | 29.8 | 22.9 | 14.3 | 22.6 | 30.8 | 53.2 | 85.1 | 138.8 | 155.0 | 136.9 | 877.5 |
| 1979-1980 | 138.8 | 76.9 | 45.0 | 18.2 | 12.0 | 12.8 | 22.7 | 45.6 | 82.7 | 143.9 | 162.9 | 152.9 | 914.4 |
| 1980-1981 | 120.2 | 78.7 | 44.0 | 21.0 | 15.0 | 18.2 | 30.1 | 56.5 | 72.0 | 148.2 | 159.7 | 144.4 | 908.1 |
| 1981-1982 | 138.6 | 93.4 | 30.6 | 27.2 | 16.6 | 11.9 | 19.5 | 52.2 | 84.1 | 148.0 | 155.5 | 156.4 | 934.1 |
| 1982-1983 | 152.3 | 84.8 | 31.2 | 17.6 | 10.3 | 13.8 | 26.8 | 60.2 | 99.6 | 140.7 | 170.7 | 156.5 | 964.4 |
| 1983-1984 | 127.2 | 68.1 | 43.3 | 22.3 | 18.1 | 21.0 | 29.6 | 47.1 | 103.2 | 138.3 | 161.7 | 130.4 | 910.3 |
| 1984-1985 | 113.1 | 79.4 | 28.2 | 15.0 | 18.9 | 12.2 | 25.1 | 60.5 | 103.0 | 140.2 | 157.7 | 184.3 | 937.5 |
| 1985-1986 | 138.3 | 68.4 | 48.0 | 22.1 | 13.9 | 18.4 | 29.0 | 65.7 | 68.8 | 130.0 | 148.8 | 133.9 | 885.2 |
| 1986-1987 | 151.8 | 76.7 | 28.9 | 18.3 | 17.0 | 22.9 | 16.4 | 50.2 | 89.1 | 144.8 | 180.5 | 158.8 | 955.4 |
| 1987-1988 | 130.8 | 64.0 | 33.3 | 18.6 | 14.1 | 15.7 | 22.6 | 56.4 | 94.9 | 143.2 | 182.5 | 155.6 | 931.8 |
| 1988-1989 | 139.3 | 66.7 | 24.6 | 16.1 | 8.3 | 13.8 | 30.3 | 90.0 | 103.6 | 139.9 | 175.5 | 151.4 | 959.6 |
| 1989-1990 | 130.3 | 65.5 | 39.0 | 23.2 | 10.7 | 16.6 | 31.7 | 62.0 | 94.7 | 145.2 | 165.2 | 157.7 | 941.7 |
| 1990-1991 | 122.5 | 78.2 | 41.2 | 21.7 | 14.6 | 15.6 | 35.2 | 61.7 | 82.5 | 146.9 | 151.4 | 142.6 | 914.1 |
| 1991-1992 | 160.6 | 98.4 | 44.3 | 15.5 | 10.4 | 5.2 | 13.5 | 53.2 | 97.8 | 154.9 | 174.1 | 197.2 | 1025.3 |
| 1992-1993 | 141.0 | 89.7 | 37.8 | 11.5 | 12.1 | 10.6 | 24.7 | 58.1 | 76.0 | 161.3 | 177.1 | 180.1 | 979.9 |
| 1993-1994 | 123.7 | 93.1 | 28.0 | 19.5 | 16.8 | 15.8 | 24.4 | 62.0 | 87.7 | 130.0 | 147.1 | 146.7 | 894.8 |
| 1994-1995 | 146.2 | 89.2 | 29.2 | 12.0 | 14.3 | 17.9 | 26.8 | 46.9 | 93.2 | 149.3 | 160.4 | 147.2 | 932.6 |
| 1995-1996 | 132.6 | 72.6 | 23.9 | 14.8 | 11.3 | 19.7 | 26.1 | 47.2 | 109.8 | 162.1 | 179.9 | 162.7 | 962.7 |
| 1996-1997 | 133.9 | 67.4 | 44.0 | 24.5 | 17.4 | 13.0 | 18.4 | 36.7 | 105.9 | 164.0 | 186.3 | 141.1 | 952.7 |
| 1997-1998 | 109.8 | 66.3 | 37.2 | 17.5 | 11.1 | 15.7 | 22.2 | 64.2 | 85.1 | 146.7 | 171.1 | 163.0 | 909.8 |
| 1998-1999 | 133.9 | 82.2 | 44.0 | 21.0 | 15.2 | 13.1 | 25.7 | 48.0 | 93.3 | 132.6 | 163.4 | 143.8 | 916.3 |
| 1999-2000 | 119.9 | 72.3 | 34.2 | 19.4 | 10.4 | 15.7 | 22.8 | 57.8 | 89.7 | 153.6 | 179.8 | 155.7 | 931.4 |
| 2000-2001 | 120.4 | 63.0 | 37.8 | 17.3 | 14.3 | 16.8 | 38.8 | 54.3 | 87.0 | 133.3 | 152.5 | 138.6 | 873.9 |
| 2001-2002 | 126.7 | 73.1 | 34.2 | 17.7 | 10.6 | 22.9 | 33.5 | 49.1 | 81.9 | 142.5 | 168.4 | 145.5 | 906.1 |
| 2002-2003 | 113.2 | 68.5 | 38.1 | 14.6 | 18.1 | 11.1 | 18.2 | 47.2 | 106.6 | 140.0 | 165.5 | 151.9 | 892.9 |
| 2003-2004 | 118.4 | 76.0 | 37.0 | 17.6 | 12.6 | 15.2 | 33.1 | 55.0 | 80.9 | 136.7 | 164.0 | 136.5 | 882.9 |
| 2004-2005 | 128.7 | 82.3 | 36.2 | 15.2 | 14.4 | 13.9 | 31.2 | 58.1 | 84.9 | 127.3 | 159.1 | 142.4 | 893.8 |
| 2005-2006 | 131.1 | 65.7 | 29.8 | 19.6 | 12.2 | 16.8 | 27.9 | 59.7 | 90.5 | 146.0 | 158.8 | 153.1 | 911.1 |
| 2006-2007 | 129.7 | 68.0 | 28.1 | 15.0 | 12.4 | 17.8 | 27.9 | 49.2 | 92.2 | 151.3 | 174.4 | 149.8 | 915.8 |
| 2007-2008 | 117.5 | 73.4 | 35.1 | 15.7 | 8.8 | 12.7 | 40.7 | 62.8 | 80.1 | 137.0 | 152.7 | 143.9 | 880.6 |
| 2008-2009 | 117.5 | 66.7 | 40.0 | 18.0 | 15.7 | 17.6 | 23.9 | 53.6 | 83.3 | 152.3 | 162.2 | 143.9 | 894.7 |
| 2009-2010 | 104.6 | 74.9 | 30.9 | 25.2 | 20.4 | 21.5 | 30.5 | 55.1 | 82.1 | 117.3 | 138.4 | 150.0 | 850.9 |
| 2010-2011 | 129.6 | 73.1 | 45.1 | 25.0 | 14.7 | 16.7 | 25.8 | 45.2 | 74.2 | 129.4 | 155.7 | 145.2 | 879.7 |
| 2011-2012 | 139.3 | 67.9 | 27.0 | 16.7 | 11.7 | 12.3 | 22.3 | 60.3 | 82.5 | 153.7 | 183.2 | 163.4 | 940.4 |
| 2012-2013 | 120.3 | 70.0 | 38.0 | 18.6 | 12.5 | 19.1 | 28.9 | 56.7 | 93.2 | 128.4 | 143.9 | 143.9 | 873.6 |
| 2013-2014 | 120.8 | 63.9 | 43.3 | 14.5 | 19.2 | 20.4 | 33.8 | 59.0 | 80.6 | 137.1 | 151.4 | 146.9 | 891.0 |
| 2014-2015 | 127.7 | 70.5 | 34.2 | 24.9 | 13.1 | 16.0 | 31.8 | 49.2 | 94.0 | 127.6 | 166.1 | 163.0 | 918.3 |
| AVERAGE | 128.7 | 74.8 | 35.8 | 18.8 | 13.9 | 16.0 | 27.1 | 55.4 | 89.1 | 142.2 | 163.9 | 151.8 | |

**Table A. 43** Degirmenlik station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 174.6 | 171.1 | 134 | 132.8 | 120 | 116 | 134.2 | 142.4 | 167.5 | 182.3 | 199.2 | 196.1 | 1870.2 |
| 1979-1980 | 182.6 | 167.5 | 145.6 | 124.6 | 114.6 | 103 | 124 | 135.1 | 162.9 | 180.5 | 198.1 | 199.1 | 1837.6 |
| 1980-1981 | 173.7 | 167.3 | 143.8 | 127.7 | 119 | 109 | 130.8 | 141 | 155.6 | 180.6 | 195 | 193.6 | 1837.1 |
| 1981-1982 | 178.2 | 173 | 130.5 | 133.7 | 120.2 | 100.5 | 118.6 | 136.8 | 160.3 | 177.8 | 190.4 | 195.6 | 1815.4 |
| 1982-1983 | 180 | 165.7 | 129.4 | 120.8 | 109.4 | 101.9 | 124.8 | 139.5 | 165.6 | 172.2 | 192.7 | 192.3 | 1794.4 |
| 1983-1984 | 175.3 | 159.8 | 142.4 | 128.7 | 122.9 | 111.6 | 129.7 | 134.5 | 171.4 | 175.6 | 194.5 | 186.1 | 1832.5 |
| 1984-1985 | 168.5 | 165.6 | 128.2 | 118.5 | 123.4 | 100.9 | 124.7 | 141.8 | 170.2 | 175.2 | 191.5 | 207 | 1815.4 |
| 1985-1986 | 184.7 | 164 | 149.6 | 130.9 | 118.7 | 110.7 | 131.6 | 148.9 | 156.5 | 177.2 | 194.8 | 193 | 1860.7 |
| 1986-1987 | 180.8 | 162 | 127.6 | 122 | 119.9 | 112.1 | 114.3 | 134.4 | 161.2 | 174.6 | 197.3 | 194.2 | 1800.4 |
| 1987-1988 | 177.1 | 157.5 | 134 | 124.2 | 117.2 | 105.8 | 122.8 | 140.4 | 167.5 | 177.9 | 202.8 | 197.4 | 1824.6 |
| 1988-1989 | 177.5 | 157.1 | 124.1 | 119.6 | 106.6 | 102.6 | 129.1 | 155.7 | 169.5 | 174 | 196.9 | 192.6 | 1805.1 |
| 1989-1990 | 173.6 | 155.9 | 137 | 128.3 | 110.6 | 105.7 | 130.1 | 141.4 | 164.6 | 175.3 | 192.4 | 194.4 | 1809.2 |
| 1990-1991 | 173.5 | 166 | 140.7 | 128 | 117.9 | 105.6 | 134.8 | 143.3 | 160.7 | 179 | 190.5 | 191.6 | 1831.7 |
| 1991-1992 | 175.5 | 166.2 | 135.8 | 115.1 | 107.4 | 87.78 | 108.2 | 131.4 | 158.8 | 170.2 | 186 | 198.6 | 1741.0 |
| 1992-1993 | 174.9 | 167.2 | 134.4 | 111.5 | 112 | 97.41 | 122.3 | 137.6 | 152.7 | 178.3 | 193.7 | 199.8 | 1781.8 |
| 1993-1994 | 178.2 | 178.6 | 131.1 | 127.3 | 123 | 107.4 | 126.7 | 146.4 | 167.2 | 176.7 | 193.5 | 198.4 | 1854.5 |
| 1994-1995 | 183.1 | 172.6 | 130.2 | 114.5 | 117.6 | 108.5 | 127.2 | 134.7 | 166.8 | 180.3 | 194.5 | 194.1 | 1824.1 |
| 1995-1996 | 174.3 | 160 | 122.9 | 117.4 | 111.6 | 109.1 | 124.8 | 132.8 | 171.7 | 181.2 | 197.6 | 196.3 | 1799.5 |
| 1996-1997 | 174.1 | 156.4 | 140.5 | 129.4 | 120.4 | 101.1 | 116.4 | 125.5 | 169.2 | 181 | 199 | 186.6 | 1799.6 |
| 1997-1998 | 171.8 | 161.8 | 139.6 | 124.2 | 113.6 | 107.1 | 124 | 147.3 | 165.3 | 182.9 | 202.8 | 204.8 | 1845.2 |
| 1998-1999 | 178.4 | 168.6 | 143.4 | 127.4 | 119 | 102.6 | 126.2 | 135.4 | 166.8 | 174 | 195.7 | 192.6 | 1830.0 |
| 1999-2000 | 173 | 162.9 | 134.9 | 125.4 | 111.2 | 105.9 | 123.2 | 141.4 | 165 | 182 | 202.1 | 197.8 | 1824.8 |
| 2000-2001 | 180.1 | 162.7 | 142.6 | 125.7 | 120.5 | 109.9 | 142.4 | 143.9 | 169.7 | 181.4 | 199.6 | 198.5 | 1877.2 |
| 2001-2002 | 178.2 | 165.6 | 136.5 | 124.2 | 112.5 | 115 | 134.9 | 137.7 | 162.9 | 180.5 | 200.8 | 196.4 | 1845.0 |
| 2002-2003 | 176 | 165.6 | 142.3 | 121 | 125.9 | 101.8 | 120.5 | 138.5 | 179.5 | 183.1 | 203.8 | 203.3 | 1861.2 |
| 2003-2004 | 178.5 | 170.7 | 141.4 | 125.8 | 117.3 | 107.5 | 136.7 | 143.9 | 165.5 | 182 | 203.5 | 196.5 | 1869.3 |
| 2004-2005 | 181 | 173 | 139.5 | 121.5 | 119.7 | 105.2 | 133.9 | 144.6 | 166.2 | 176.3 | 199.4 | 197.2 | 1857.6 |
| 2005-2006 | 180.2 | 161 | 132.3 | 126.9 | 115.3 | 108.3 | 129.7 | 144.3 | 167.8 | 182 | 197.2 | 199.9 | 1845.0 |
| 2006-2007 | 180 | 162.7 | 130.8 | 120.5 | 115.7 | 109.6 | 129.9 | 138 | 169 | 184.4 | 203.8 | 198.9 | 1843.2 |
| 2007-2008 | 179.4 | 170.2 | 140.5 | 123.6 | 110.7 | 104.6 | 144.4 | 149.6 | 166.1 | 183.5 | 200.4 | 201.6 | 1874.6 |
| 2008-2009 | 176.2 | 163.1 | 142.9 | 125.5 | 121.7 | 109.8 | 126.4 | 141.7 | 165.2 | 186.2 | 200.5 | 197.8 | 1857.1 |
| 2009-2010 | 174.3 | 171.9 | 136.7 | 137.2 | 130.4 | 116 | 135.4 | 145.3 | 168 | 175.7 | 194.9 | 205.4 | 1891.2 |
| 2010-2011 | 182.1 | 167.9 | 147.9 | 135.2 | 120.4 | 109.1 | 128.8 | 136.7 | 160.5 | 177.9 | 198.8 | 199.3 | 1864.6 |
| 2011-2012 | 181.2 | 160.6 | 128.3 | 121.9 | 113.7 | 101.7 | 122.9 | 143.2 | 161.6 | 182.7 | 204.1 | 201.7 | 1823.6 |
| 2012-2013 | 180.1 | 167.4 | 142.9 | 127.6 | 117.5 | 112.7 | 133 | 145.5 | 173.2 | 179.3 | 195.8 | 201 | 1876.0 |
| 2013-2014 | 176.5 | 160.3 | 145.1 | 119.8 | 126.3 | 112.6 | 135.7 | 144.3 | 162.8 | 179.1 | 194.8 | 197.9 | 1855.0 |
| 2014-2015 | 175.7 | 161.5 | 134.7 | 132 | 115.7 | 106.1 | 131.8 | 136 | 167 | 171.7 | 196.4 | 200.3 | 1828.9 |
| AVERAGE | 177.4 | 165.2 | 136.9 | 124.9 | 117.3 | 106.5 | 128.0 | 140.6 | 165.5 | 178.8 | 197.2 | 197.2 | |

**Table A. 44** Degirmenlik station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 134.3 | 63.34 | 45.19 | 42.49 | 39.55 | 41.55 | 52.84 | 116 | 146.3 | 164.9 | 177.2 | 164.2 | 1187.9 |
| 1979-1980 | 140.5 | 61.98 | 49.09 | 39.89 | 37.78 | 36.86 | 48.8 | 110 | 142.4 | 163.3 | 176.2 | 166.7 | 1173.5 |
| 1980-1981 | 133.6 | 61.9 | 48.49 | 40.86 | 39.2 | 39.05 | 51.48 | 114.9 | 135.9 | 163.4 | 173.5 | 162.1 | 1164.5 |
| 1981-1982 | 137.1 | 64.03 | 43.98 | 42.8 | 39.6 | 35.97 | 46.69 | 111.4 | 140 | 160.9 | 169.4 | 163.8 | 1155.6 |
| 1982-1983 | 138.5 | 61.34 | 43.61 | 38.65 | 36.05 | 36.48 | 49.15 | 113.6 | 144.7 | 155.8 | 171.5 | 161 | 1150.4 |
| 1983-1984 | 134.9 | 59.16 | 48.02 | 41.19 | 40.49 | 39.97 | 51.04 | 109.6 | 149.7 | 158.9 | 173 | 155.8 | 1161.8 |
| 1984-1985 | 129.6 | 61.27 | 43.22 | 37.92 | 40.68 | 36.11 | 49.08 | 115.4 | 148.7 | 158.5 | 170.4 | 173.3 | 1164.3 |
| 1985-1986 | 142.1 | 60.71 | 50.44 | 41.92 | 39.13 | 39.64 | 51.81 | 121.3 | 136.7 | 160.3 | 173.3 | 161.6 | 1179.0 |
| 1986-1987 | 139.1 | 59.96 | 43.04 | 39.06 | 39.52 | 40.14 | 44.99 | 109.4 | 140.8 | 158 | 175.6 | 162.6 | 1152.2 |
| 1987-1988 | 136.2 | 58.28 | 45.17 | 39.75 | 38.61 | 37.89 | 48.36 | 114.4 | 146.3 | 160.9 | 180.4 | 165.3 | 1171.7 |
| 1988-1989 | 136.6 | 58.14 | 41.83 | 38.27 | 35.1 | 36.72 | 50.81 | 126.8 | 148.1 | 157.4 | 175.2 | 161.2 | 1166.2 |
| 1989-1990 | 133.6 | 57.69 | 46.18 | 41.08 | 36.42 | 37.84 | 51.19 | 115.2 | 143.8 | 158.6 | 171.2 | 162.8 | 1155.5 |
| 1990-1991 | 133.5 | 61.45 | 47.45 | 40.97 | 38.84 | 37.81 | 53.06 | 116.7 | 140.4 | 162 | 169.5 | 160.4 | 1162.1 |
| 1991-1992 | 135 | 61.51 | 45.8 | 36.85 | 35.39 | 31.43 | 42.57 | 107 | 138.7 | 154 | 165.5 | 166.3 | 1120.1 |
| 1992-1993 | 134.5 | 61.9 | 45.31 | 35.69 | 36.9 | 34.87 | 48.15 | 112 | 133.4 | 161.3 | 172.3 | 167.3 | 1143.7 |
| 1993-1994 | 137.2 | 66.08 | 44.19 | 40.76 | 40.54 | 38.46 | 49.85 | 119.3 | 146.1 | 159.9 | 172.2 | 166.1 | 1180.6 |
| 1994-1995 | 140.9 | 63.89 | 43.88 | 36.64 | 38.75 | 38.85 | 50.09 | 109.7 | 145.7 | 163.1 | 173.1 | 162.5 | 1167.1 |
| 1995-1996 | 134.1 | 59.22 | 41.43 | 37.58 | 36.77 | 39.05 | 49.11 | 108.1 | 150 | 163.9 | 175.9 | 164.3 | 1159.4 |
| 1996-1997 | 133.9 | 57.86 | 47.35 | 41.43 | 39.66 | 36.2 | 45.83 | 102.2 | 147.8 | 163.8 | 177.1 | 156.3 | 1149.5 |
| 1997-1998 | 132.2 | 59.9 | 47.08 | 39.75 | 37.43 | 38.34 | 48.8 | 120 | 144.4 | 165.4 | 180.4 | 171.5 | 1185.3 |
| 1998-1999 | 137.3 | 62.42 | 48.33 | 40.79 | 39.2 | 36.75 | 49.66 | 110.3 | 145.7 | 157.4 | 174.2 | 161.2 | 1163.2 |
| 1999-2000 | 133.1 | 60.29 | 45.5 | 40.13 | 36.65 | 37.91 | 48.48 | 115.2 | 144.2 | 164.7 | 179.8 | 165.6 | 1171.5 |
| 2000-2001 | 138.6 | 60.22 | 48.09 | 40.23 | 39.7 | 39.35 | 56.07 | 117.2 | 148.3 | 164.1 | 177.6 | 166.2 | 1195.7 |
| 2001-2002 | 137.1 | 61.27 | 46.01 | 39.74 | 37.06 | 41.18 | 53.11 | 112.1 | 142.3 | 163.3 | 178.7 | 164.4 | 1176.3 |
| 2002-2003 | 135.4 | 61.29 | 47.98 | 38.74 | 41.49 | 36.42 | 47.41 | 112.8 | 156.8 | 165.6 | 181.4 | 170.3 | 1195.6 |
| 2003-2004 | 137.3 | 63.16 | 47.66 | 40.27 | 38.65 | 38.5 | 53.8 | 117.2 | 144.6 | 164.7 | 181.1 | 164.6 | 1191.4 |
| 2004-2005 | 139.3 | 64.02 | 47.04 | 38.87 | 39.44 | 37.68 | 52.7 | 117.8 | 145.2 | 159.5 | 177.4 | 165.1 | 1184.1 |
| 2005-2006 | 138.7 | 59.58 | 44.6 | 40.62 | 38.01 | 38.77 | 51.05 | 117.5 | 146.6 | 164.7 | 175.4 | 167.4 | 1182.9 |
| 2006-2007 | 138.5 | 60.24 | 44.09 | 38.58 | 38.12 | 39.23 | 51.14 | 112.4 | 147.7 | 166.8 | 181.3 | 166.5 | 1184.6 |
| 2007-2008 | 138.1 | 63 | 47.35 | 39.55 | 36.47 | 37.47 | 56.86 | 121.8 | 145.1 | 166.1 | 178.3 | 168.8 | 1198.9 |
| 2008-2009 | 135.6 | 60.35 | 48.18 | 40.17 | 40.09 | 39.32 | 49.75 | 115.4 | 144.4 | 168.5 | 178.4 | 165.6 | 1185.8 |
| 2009-2010 | 134.1 | 63.61 | 46.1 | 43.92 | 42.97 | 41.53 | 53.29 | 118.4 | 146.8 | 159 | 173.4 | 172 | 1195.0 |
| 2010-2011 | 140.1 | 62.14 | 49.87 | 43.26 | 39.67 | 39.06 | 50.69 | 111.3 | 140.2 | 160.9 | 176.9 | 166.9 | 1181.1 |
| 2011-2012 | 139.4 | 59.46 | 43.25 | 39.01 | 37.46 | 36.42 | 48.37 | 116.7 | 141.2 | 165.3 | 181.6 | 168.9 | 1177.0 |
| 2012-2013 | 138.6 | 61.98 | 48.16 | 40.83 | 38.73 | 40.36 | 52.34 | 118.5 | 151.3 | 162.2 | 174.3 | 168.3 | 1195.6 |
| 2013-2014 | 135.8 | 59.32 | 48.9 | 38.33 | 41.62 | 40.32 | 53.41 | 117.5 | 142.2 | 162 | 173.3 | 165.7 | 1178.4 |
| 2014-2015 | 135.2 | 59.77 | 45.43 | 42.26 | 38.12 | 37.99 | 51.89 | 110.7 | 145.9 | 155.3 | 174.8 | 167.7 | 1165.1 |
| AVERAGE | 136.5 | 61.1 | 46.1 | 40.0 | 38.6 | 38.1 | 50.4 | 114.5 | 144.6 | 161.7 | 175.4 | 165.1 | |

**Table A. 45** Degirmenlik station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116 | 92.99 | 52.99 | 42.57 | 39.33 | 48.93 | 79.84 | 100.2 | 132.4 | 151.3 | 160 | 146.6 | 1163.2 |
| 1979-1980 | 120.5 | 90.94 | 59.49 | 38 | 36.32 | 41.6 | 74.07 | 96.05 | 129.9 | 150.3 | 159.4 | 148.2 | 1144.9 |
| 1980-1981 | 115.5 | 90.82 | 58.51 | 39.71 | 38.76 | 45.01 | 77.91 | 99.38 | 125.7 | 150.4 | 157.7 | 145.1 | 1144.6 |
| 1981-1982 | 118.1 | 94.03 | 51 | 43.11 | 39.42 | 40.21 | 71.07 | 96.99 | 128.4 | 148.8 | 155.1 | 146.3 | 1132.4 |
| 1982-1983 | 119.1 | 89.96 | 50.38 | 35.83 | 33.39 | 40.99 | 74.57 | 98.51 | 131.4 | 145.7 | 156.4 | 144.4 | 1120.6 |
| 1983-1984 | 116.4 | 86.65 | 57.72 | 40.29 | 40.96 | 46.47 | 77.27 | 95.73 | 134.6 | 147.6 | 157.4 | 140.9 | 1142.0 |
| 1984-1985 | 112.6 | 89.86 | 49.73 | 34.55 | 41.26 | 40.41 | 74.47 | 99.8 | 134 | 147.3 | 155.7 | 152.6 | 1132.4 |
| 1985-1986 | 121.7 | 89 | 61.74 | 41.55 | 38.62 | 45.96 | 78.38 | 103.8 | 126.2 | 148.5 | 157.6 | 144.8 | 1157.8 |
| 1986-1987 | 119.5 | 87.86 | 49.41 | 36.53 | 39.28 | 46.73 | 68.64 | 95.65 | 128.9 | 147 | 159 | 145.5 | 1124.0 |
| 1987-1988 | 117.4 | 85.33 | 52.97 | 37.77 | 37.75 | 43.2 | 73.44 | 99.05 | 132.4 | 148.8 | 162.1 | 147.3 | 1137.5 |
| 1988-1989 | 117.7 | 85.11 | 47.42 | 35.16 | 31.78 | 41.36 | 76.94 | 107.6 | 133.5 | 146.6 | 158.8 | 144.6 | 1126.6 |
| 1989-1990 | 115.5 | 84.41 | 54.67 | 40.08 | 34.03 | 43.11 | 77.49 | 99.61 | 130.8 | 147.4 | 156.2 | 145.6 | 1128.9 |
| 1990-1991 | 115.5 | 90.12 | 56.76 | 39.9 | 38.13 | 43.09 | 80.16 | 100.7 | 128.6 | 149.5 | 155.2 | 144 | 1141.6 |
| 1991-1992 | 116.5 | 90.23 | 54.02 | 32.67 | 32.26 | 33.07 | 65.19 | 93.98 | 127.5 | 144.5 | 152.6 | 148 | 1090.6 |
| 1992-1993 | 116.2 | 90.81 | 53.21 | 30.65 | 34.82 | 38.47 | 73.15 | 97.45 | 124.1 | 149 | 156.9 | 148.6 | 1113.5 |
| 1993-1994 | 118.1 | 97.16 | 51.34 | 39.52 | 41.02 | 44.1 | 75.58 | 102.4 | 132.3 | 148.2 | 156.9 | 147.8 | 1154.4 |
| 1994-1995 | 120.8 | 93.81 | 50.83 | 32.31 | 37.99 | 44.71 | 75.92 | 95.82 | 132 | 150.2 | 157.4 | 145.4 | 1137.3 |
| 1995-1996 | 115.9 | 86.74 | 46.76 | 33.94 | 34.62 | 45.02 | 74.52 | 94.74 | 134.8 | 150.7 | 159.2 | 146.6 | 1123.5 |
| 1996-1997 | 115.8 | 84.7 | 56.6 | 40.7 | 39.53 | 40.56 | 69.84 | 90.66 | 133.4 | 150.6 | 159.9 | 141.2 | 1123.5 |
| 1997-1998 | 114.5 | 87.76 | 56.15 | 37.76 | 35.73 | 43.92 | 74.08 | 102.9 | 131.2 | 151.6 | 162 | 151.4 | 1149.1 |
| 1998-1999 | 118.2 | 91.58 | 58.25 | 39.58 | 38.75 | 41.41 | 75.31 | 96.2 | 132 | 146.6 | 158.1 | 144.6 | 1140.6 |
| 1999-2000 | 115.1 | 88.37 | 53.51 | 38.42 | 34.42 | 43.22 | 73.62 | 99.61 | 131 | 151.2 | 161.7 | 147.5 | 1137.7 |
| 2000-2001 | 119.2 | 88.26 | 57.83 | 38.6 | 39.62 | 45.48 | 84.45 | 101 | 133.7 | 150.8 | 160.3 | 147.9 | 1167.1 |
| 2001-2002 | 118.1 | 89.86 | 54.37 | 37.75 | 35.11 | 48.36 | 80.24 | 97.5 | 129.8 | 150.3 | 160.9 | 146.7 | 1149.0 |
| 2002-2003 | 116.8 | 89.88 | 57.64 | 35.98 | 42.63 | 40.92 | 72.1 | 97.98 | 139.1 | 151.7 | 162.6 | 150.6 | 1158.1 |
| 2003-2004 | 118.2 | 92.73 | 57.12 | 38.67 | 37.82 | 44.16 | 81.21 | 101 | 131.3 | 151.2 | 162.5 | 146.8 | 1162.6 |
| 2004-2005 | 119.7 | 94.02 | 56.09 | 36.23 | 39.17 | 42.87 | 79.63 | 101.4 | 131.7 | 148 | 160.2 | 147.2 | 1156.1 |
| 2005-2006 | 119.2 | 87.29 | 52.03 | 39.3 | 36.71 | 44.58 | 77.29 | 101.2 | 132.6 | 151.2 | 158.9 | 148.7 | 1149.0 |
| 2006-2007 | 119.1 | 88.28 | 51.18 | 35.7 | 36.91 | 45.3 | 77.4 | 97.71 | 133.3 | 152.5 | 162.6 | 148.1 | 1148.0 |
| 2007-2008 | 118.8 | 92.48 | 56.61 | 37.41 | 34.09 | 42.54 | 85.57 | 104.2 | 131.7 | 152 | 160.7 | 149.6 | 1165.6 |
| 2008-2009 | 117 | 88.46 | 57.98 | 38.5 | 40.28 | 45.43 | 75.43 | 99.76 | 131.2 | 153.5 | 160.8 | 147.5 | 1155.8 |
| 2009-2010 | 115.9 | 93.41 | 54.51 | 45.06 | 45.16 | 48.92 | 80.48 | 101.8 | 132.7 | 147.6 | 157.6 | 151.8 | 1174.9 |
| 2010-2011 | 120.3 | 91.18 | 60.8 | 43.92 | 39.55 | 45.04 | 76.78 | 96.93 | 128.5 | 148.8 | 159.8 | 148.4 | 1160.0 |
| 2011-2012 | 119.8 | 87.1 | 49.78 | 36.46 | 35.8 | 40.9 | 73.47 | 100.6 | 129.1 | 151.5 | 162.8 | 149.7 | 1137.0 |
| 2012-2013 | 119.2 | 90.92 | 57.95 | 39.65 | 37.94 | 47.09 | 79.12 | 101.9 | 135.6 | 149.6 | 158.2 | 149.3 | 1166.4 |
| 2013-2014 | 117.1 | 86.89 | 59.2 | 35.28 | 42.86 | 47.01 | 80.64 | 101.2 | 129.8 | 149.5 | 157.6 | 147.5 | 1154.6 |
| 2014-2015 | 116.7 | 87.58 | 53.4 | 42.14 | 36.9 | 43.37 | 78.48 | 96.54 | 132.1 | 145.4 | 158.5 | 148.9 | 1140.0 |
| AVERAGE | 117.6 | 89.6 | 54.6 | 38.1 | 37.8 | 43.6 | 76.3 | 99.1 | 131.3 | 149.3 | 158.9 | 147.2 | |

**Table A. 46** Dortyol station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 101.5 | 71.3 | 35.7 | 29.5 | 27.2 | 33.9 | 51.5 | 72.7 | 113.0 | 162.0 | 188.4 | 150.1 | 1036.8 |
| 1979-1980 | 110.8 | 71.2 | 43.2 | 27.9 | 25.4 | 29.4 | 47.0 | 69.3 | 110.0 | 155.2 | 179.4 | 163.5 | 1032.2 |
| 1980-1981 | 102.2 | 70.8 | 43.2 | 29.1 | 26.9 | 30.6 | 51.5 | 73.4 | 101.6 | 159.4 | 185.6 | 163.2 | 1037.6 |
| 1981-1982 | 112.9 | 78.3 | 36.3 | 30.7 | 28.5 | 27.8 | 43.4 | 73.0 | 113.5 | 154.1 | 171.5 | 160.0 | 1029.9 |
| 1982-1983 | 115.3 | 72.5 | 36.5 | 26.8 | 24.6 | 28.5 | 45.4 | 71.1 | 115.6 | 145.6 | 178.3 | 154.6 | 1014.9 |
| 1983-1984 | 106.3 | 67.5 | 43.2 | 30.6 | 29.3 | 33.8 | 50.4 | 68.4 | 127.4 | 151.4 | 179.2 | 151.5 | 1038.9 |
| 1984-1985 | 99.9 | 67.3 | 37.4 | 26.2 | 29.4 | 27.8 | 48.9 | 72.3 | 120.2 | 153.0 | 178.2 | 191.1 | 1051.9 |
| 1985-1986 | 126.0 | 72.2 | 49.1 | 33.6 | 29.6 | 34.5 | 53.9 | 85.7 | 106.7 | 158.2 | 179.6 | 159.3 | 1088.5 |
| 1986-1987 | 113.0 | 66.7 | 35.0 | 27.7 | 29.0 | 34.3 | 40.9 | 66.5 | 106.5 | 150.3 | 186.9 | 161.0 | 1017.8 |
| 1987-1988 | 108.1 | 63.6 | 37.1 | 27.6 | 26.4 | 29.6 | 45.3 | 72.3 | 118.1 | 157.2 | 207.4 | 171.3 | 1063.9 |
| 1988-1989 | 111.2 | 66.6 | 34.6 | 27.1 | 23.7 | 29.0 | 50.0 | 88.3 | 124.2 | 150.5 | 189.0 | 155.9 | 1050.0 |
| 1989-1990 | 107.2 | 64.4 | 39.9 | 28.2 | 24.7 | 30.2 | 49.4 | 74.0 | 116.1 | 153.4 | 181.5 | 162.8 | 1031.7 |
| 1990-1991 | 106.4 | 73.2 | 43.5 | 30.3 | 26.8 | 29.7 | 52.3 | 74.9 | 114.2 | 154.9 | 180.8 | 159.4 | 1046.4 |
| 1991-1992 | 108.2 | 71.8 | 38.8 | 24.5 | 23.1 | 24.0 | 41.6 | 69.0 | 104.3 | 144.5 | 170.2 | 164.8 | 985.0 |
| 1992-1993 | 105.5 | 73.1 | 38.9 | 23.9 | 25.0 | 26.8 | 48.7 | 71.0 | 105.2 | 161.7 | 189.2 | 168.1 | 1037.1 |
| 1993-1994 | 110.1 | 84.6 | 38.3 | 31.0 | 31.1 | 32.4 | 50.6 | 77.1 | 119.6 | 164.5 | 185.4 | 172.6 | 1097.4 |
| 1994-1995 | 125.8 | 83.7 | 38.9 | 26.4 | 28.4 | 33.4 | 51.4 | 69.1 | 116.0 | 159.1 | 184.0 | 159.6 | 1075.9 |
| 1995-1996 | 109.1 | 66.2 | 32.7 | 26.6 | 26.3 | 31.7 | 45.8 | 64.4 | 117.4 | 157.3 | 183.0 | 160.5 | 1021.1 |
| 1996-1997 | 103.1 | 62.1 | 42.3 | 31.9 | 29.2 | 27.9 | 44.3 | 62.4 | 113.6 | 154.1 | 186.0 | 143.9 | 1000.6 |
| 1997-1998 | 99.6 | 66.3 | 40.9 | 29.0 | 26.8 | 32.0 | 45.5 | 76.1 | 111.0 | 157.6 | 188.4 | 173.4 | 1046.5 |
| 1998-1999 | 110.6 | 73.4 | 44.7 | 30.2 | 30.1 | 33.5 | 53.2 | 74.9 | 130.9 | 154.5 | 197.5 | 170.3 | 1104.0 |
| 1999-2000 | 114.7 | 73.9 | 40.6 | 31.3 | 25.1 | 30.8 | 46.7 | 74.8 | 117.6 | 174.4 | 199.5 | 167.2 | 1096.4 |
| 2000-2001 | 109.7 | 67.6 | 41.2 | 28.7 | 28.7 | 32.1 | 57.5 | 76.9 | 119.7 | 160.1 | 184.3 | 163.2 | 1069.6 |
| 2001-2002 | 107.8 | 71.5 | 39.2 | 28.6 | 25.3 | 34.0 | 52.7 | 71.1 | 113.8 | 164.4 | 197.6 | 164.3 | 1070.4 |
| 2002-2003 | 107.0 | 71.2 | 42.5 | 27.0 | 30.5 | 27.4 | 42.8 | 68.0 | 131.5 | 162.2 | 199.5 | 174.8 | 1084.5 |
| 2003-2004 | 109.9 | 73.6 | 41.7 | 29.8 | 26.6 | 30.2 | 51.2 | 73.0 | 110.3 | 154.8 | 190.4 | 162.3 | 1053.7 |
| 2004-2005 | 109.6 | 77.6 | 40.9 | 28.0 | 29.7 | 30.8 | 50.4 | 74.8 | 115.3 | 152.5 | 187.0 | 163.0 | 1059.6 |
| 2005-2006 | 111.9 | 65.4 | 36.4 | 29.3 | 26.5 | 31.4 | 49.9 | 76.8 | 119.8 | 164.7 | 191.0 | 171.8 | 1075.0 |
| 2006-2007 | 118.1 | 71.8 | 36.9 | 27.7 | 26.5 | 31.7 | 48.8 | 69.6 | 120.6 | 169.5 | 199.5 | 169.6 | 1090.2 |
| 2007-2008 | 111.9 | 75.8 | 41.5 | 27.8 | 25.3 | 29.4 | 57.8 | 81.1 | 116.4 | 170.0 | 195.4 | 173.6 | 1106.1 |
| 2008-2009 | 111.8 | 72.2 | 45.4 | 29.7 | 29.5 | 32.3 | 47.5 | 74.1 | 116.5 | 175.0 | 198.4 | 173.0 | 1105.3 |
| 2009-2010 | 109.0 | 80.2 | 41.5 | 31.8 | 30.7 | 34.1 | 54.9 | 80.1 | 121.5 | 156.0 | 182.0 | 183.6 | 1105.5 |
| 2010-2011 | 120.6 | 77.2 | 46.8 | 34.1 | 29.4 | 32.5 | 50.0 | 71.2 | 111.5 | 156.8 | 188.0 | 171.1 | 1089.0 |
| 2011-2012 | 116.0 | 69.1 | 36.0 | 28.5 | 26.8 | 29.6 | 46.0 | 75.3 | 113.8 | 163.9 | 205.0 | 178.4 | 1088.5 |
| 2012-2013 | 115.2 | 76.1 | 45.0 | 30.7 | 27.9 | 34.0 | 52.9 | 78.9 | 128.4 | 162.3 | 187.5 | 173.3 | 1112.2 |
| 2013-2014 | 111.6 | 66.6 | 46.1 | 27.7 | 31.5 | 34.0 | 55.4 | 78.7 | 113.8 | 160.6 | 184.2 | 167.0 | 1077.3 |
| 2014-2015 | 113.5 | 70.7 | 39.9 | 32.9 | 27.2 | 31.5 | 52.1 | 70.4 | 119.9 | 148.6 | 186.0 | 177.3 | 1070.1 |
| AVERAGE | 110.6 | 71.5 | 40.3 | 29.0 | 27.5 | 31.0 | 49.4 | 73.5 | 116.1 | 158.2 | 187.7 | 166.2 | |

**Table A. 47** Dortyol station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.3 | 81.4 | 33.0 | 24.2 | 17.1 | 26.3 | 36.1 | 64.9 | 94.0 | 160.6 | 189.0 | 154.7 | 998.7 |
| 1979-1980 | 134.6 | 82.8 | 50.0 | 21.3 | 14.0 | 17.6 | 29.1 | 59.5 | 91.7 | 154.7 | 181.6 | 174.8 | 1011.8 |
| 1980-1981 | 117.5 | 79.9 | 48.7 | 23.1 | 16.4 | 19.5 | 35.7 | 65.7 | 78.4 | 155.9 | 184.2 | 169.8 | 994.8 |
| 1981-1982 | 137.3 | 94.9 | 34.8 | 27.1 | 19.8 | 14.5 | 23.2 | 66.5 | 96.0 | 152.5 | 171.0 | 169.6 | 1007.3 |
| 1982-1983 | 150.0 | 90.0 | 37.5 | 20.0 | 13.4 | 17.0 | 28.2 | 67.1 | 104.9 | 150.2 | 190.8 | 173.0 | 1042.1 |
| 1983-1984 | 120.3 | 71.9 | 47.3 | 25.6 | 20.2 | 25.1 | 32.9 | 54.2 | 108.4 | 141.4 | 171.4 | 150.8 | 969.5 |
| 1984-1985 | 115.6 | 74.9 | 36.9 | 17.6 | 21.4 | 14.5 | 32.1 | 64.8 | 104.2 | 150.2 | 178.2 | 206.3 | 1016.7 |
| 1985-1986 | 129.5 | 69.3 | 51.6 | 27.5 | 18.2 | 23.0 | 33.4 | 74.3 | 72.0 | 130.0 | 149.1 | 139.2 | 917.1 |
| 1986-1987 | 144.4 | 78.1 | 33.6 | 21.7 | 21.8 | 29.0 | 20.3 | 56.6 | 91.0 | 154.9 | 199.5 | 179.4 | 1030.4 |
| 1987-1988 | 128.3 | 67.9 | 36.1 | 20.3 | 15.6 | 17.8 | 26.0 | 64.4 | 101.0 | 155.0 | 211.9 | 181.7 | 1025.9 |
| 1988-1989 | 134.2 | 73.8 | 31.0 | 19.4 | 11.0 | 16.8 | 34.0 | 97.0 | 109.6 | 147.2 | 191.8 | 163.8 | 1029.5 |
| 1989-1990 | 130.3 | 71.3 | 43.2 | 22.1 | 13.0 | 19.5 | 33.6 | 69.7 | 101.0 | 154.1 | 186.4 | 175.9 | 1020.0 |
| 1990-1991 | 120.1 | 81.4 | 47.7 | 24.7 | 15.7 | 17.2 | 36.0 | 66.1 | 91.9 | 145.3 | 172.7 | 159.9 | 978.7 |
| 1991-1992 | 152.5 | 97.9 | 47.3 | 16.9 | 11.6 | 9.4 | 24.1 | 69.9 | 98.0 | 164.1 | 198.8 | 205.9 | 1096.4 |
| 1992-1993 | 130.8 | 89.3 | 42.0 | 13.7 | 13.7 | 13.2 | 33.1 | 65.4 | 88.5 | 169.3 | 200.8 | 187.2 | 1047.0 |
| 1993-1994 | 112.8 | 90.0 | 33.1 | 23.7 | 21.2 | 20.1 | 29.8 | 62.5 | 88.8 | 141.2 | 159.9 | 157.7 | 940.7 |
| 1994-1995 | 141.3 | 93.9 | 36.2 | 16.4 | 17.7 | 23.1 | 32.8 | 52.4 | 89.5 | 143.1 | 167.7 | 152.3 | 966.3 |
| 1995-1996 | 140.7 | 78.7 | 29.0 | 19.9 | 16.8 | 23.8 | 29.0 | 53.7 | 108.1 | 168.0 | 198.4 | 182.3 | 1048.4 |
| 1996-1997 | 130.1 | 70.5 | 51.2 | 31.7 | 22.5 | 15.7 | 26.4 | 49.5 | 102.7 | 163.2 | 202.1 | 159.2 | 1024.7 |
| 1997-1998 | 113.8 | 72.2 | 44.0 | 23.0 | 16.3 | 22.3 | 26.2 | 71.2 | 91.1 | 154.4 | 188.3 | 183.0 | 1005.7 |
| 1998-1999 | 111.8 | 72.4 | 44.5 | 21.9 | 19.2 | 21.6 | 33.1 | 57.8 | 99.7 | 128.1 | 169.7 | 153.1 | 933.0 |
| 1999-2000 | 124.8 | 77.8 | 39.4 | 25.2 | 12.0 | 18.2 | 25.4 | 61.7 | 90.6 | 159.5 | 182.7 | 159.5 | 976.8 |
| 2000-2001 | 119.7 | 68.8 | 41.1 | 20.7 | 18.2 | 20.8 | 42.4 | 66.6 | 94.6 | 145.3 | 169.1 | 157.4 | 964.7 |
| 2001-2002 | 120.3 | 77.2 | 38.2 | 21.1 | 12.9 | 25.2 | 36.0 | 58.0 | 90.0 | 154.7 | 188.9 | 163.1 | 985.5 |
| 2002-2003 | 118.6 | 76.6 | 44.7 | 18.0 | 22.0 | 12.8 | 20.7 | 52.3 | 111.0 | 151.4 | 190.3 | 174.7 | 993.0 |
| 2003-2004 | 125.4 | 82.0 | 44.0 | 23.8 | 15.3 | 18.1 | 34.2 | 62.5 | 87.0 | 145.2 | 183.8 | 163.4 | 984.6 |
| 2004-2005 | 122.1 | 86.8 | 41.5 | 19.8 | 20.4 | 18.8 | 32.1 | 64.3 | 91.3 | 139.2 | 175.9 | 160.6 | 972.8 |
| 2005-2006 | 127.2 | 67.5 | 32.8 | 22.7 | 15.0 | 20.2 | 31.8 | 69.0 | 97.9 | 156.0 | 182.6 | 172.9 | 995.4 |
| 2006-2007 | 133.4 | 76.6 | 33.0 | 19.1 | 14.6 | 20.3 | 29.5 | 54.4 | 96.9 | 158.4 | 188.1 | 166.9 | 991.3 |
| 2007-2008 | 117.6 | 78.7 | 40.0 | 18.2 | 12.1 | 15.1 | 41.0 | 70.8 | 86.9 | 150.3 | 173.7 | 162.1 | 966.4 |
| 2008-2009 | 115.9 | 72.1 | 46.7 | 21.4 | 18.6 | 19.9 | 25.6 | 57.9 | 85.9 | 153.9 | 174.4 | 159.3 | 951.8 |
| 2009-2010 | 107.7 | 80.8 | 37.8 | 24.2 | 19.9 | 22.3 | 34.8 | 65.1 | 87.9 | 127.3 | 151.2 | 163.5 | 922.4 |
| 2010-2011 | 126.1 | 78.7 | 48.8 | 29.1 | 18.2 | 20.0 | 28.8 | 52.4 | 79.3 | 131.9 | 161.7 | 155.4 | 930.6 |
| 2011-2012 | 132.6 | 73.3 | 31.8 | 20.9 | 15.5 | 16.8 | 25.7 | 65.9 | 90.2 | 154.3 | 197.3 | 179.7 | 1004.0 |
| 2012-2013 | 115.6 | 74.9 | 44.1 | 22.3 | 15.4 | 22.2 | 32.0 | 63.1 | 95.3 | 134.2 | 156.7 | 153.3 | 929.2 |
| 2013-2014 | 118.2 | 64.8 | 49.0 | 18.2 | 22.6 | 23.6 | 37.8 | 67.2 | 84.6 | 140.7 | 163.1 | 156.1 | 945.8 |
| 2014-2015 | 125.7 | 74.1 | 38.7 | 29.0 | 15.8 | 19.8 | 34.2 | 55.2 | 95.2 | 132.0 | 171.8 | 174.0 | 965.5 |
| AVERAGE | 126.1 | 78.2 | 40.8 | 22.0 | 16.9 | 19.5 | 31.0 | 63.2 | 93.9 | 149.1 | 180.4 | 167.6 | |

**Table A. 48** Dortyol station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 178 | 172.6 | 137.6 | 135.2 | 126 | 120.5 | 139.5 | 146.5 | 169 | 184.9 | 201.6 | 195.1 | 1906.6 |
| 1979-1980 | 184.1 | 172.5 | 150.5 | 131.3 | 121 | 111.5 | 132.9 | 143.2 | 167.2 | 181.9 | 198.2 | 201.1 | 1895.4 |
| 1980-1981 | 178.6 | 172.1 | 150.5 | 134.2 | 125.2 | 114.1 | 139.4 | 147.1 | 161.6 | 183.8 | 200.6 | 200.9 | 1908.1 |
| 1981-1982 | 185.3 | 179.2 | 138.8 | 138 | 129.2 | 108.1 | 127.4 | 146.7 | 169.4 | 181.4 | 195 | 199.6 | 1898.1 |
| 1982-1983 | 186.8 | 173.7 | 139.2 | 128.3 | 118.9 | 109.7 | 130.6 | 145 | 170.7 | 177.6 | 197.7 | 197.2 | 1875.4 |
| 1983-1984 | 181.2 | 168.6 | 150.6 | 137.9 | 131.1 | 120.4 | 137.9 | 142.3 | 177.5 | 180.2 | 198.1 | 195.7 | 1921.5 |
| 1984-1985 | 177 | 168.5 | 140.8 | 126.9 | 131.4 | 108.1 | 135.9 | 146.1 | 173.5 | 180.9 | 197.7 | 212.1 | 1898.9 |
| 1985-1986 | 192.8 | 173.4 | 159.3 | 144.4 | 131.9 | 121.8 | 142.6 | 157.6 | 165.1 | 183.3 | 198.3 | 199.3 | 1969.8 |
| 1986-1987 | 185.4 | 168 | 136.2 | 130.6 | 130.5 | 121.3 | 123.2 | 140.3 | 164.9 | 179.8 | 201.1 | 200 | 1881.4 |
| 1987-1988 | 182.3 | 164.5 | 140.2 | 130.4 | 123.7 | 112 | 130.4 | 146.1 | 172.2 | 182.8 | 208.4 | 204.4 | 1897.4 |
| 1988-1989 | 184.3 | 167.8 | 135.5 | 129.2 | 116.2 | 110.8 | 137.4 | 159.7 | 175.8 | 179.8 | 201.8 | 197.7 | 1895.9 |
| 1989-1990 | 181.8 | 165.4 | 145.1 | 131.9 | 119.2 | 113.4 | 136.5 | 147.7 | 170.9 | 181.1 | 199 | 200.8 | 1892.8 |
| 1990-1991 | 181.3 | 174.4 | 151.1 | 137 | 124.9 | 112.4 | 140.6 | 148.4 | 169.8 | 181.8 | 198.7 | 199.4 | 1919.7 |
| 1991-1992 | 182.5 | 173.1 | 143.3 | 122.2 | 114.4 | 98.72 | 124.5 | 142.9 | 163.4 | 177.1 | 194.5 | 201.7 | 1838.2 |
| 1992-1993 | 180.7 | 174.3 | 143.3 | 120.4 | 119.8 | 105.7 | 135.4 | 144.9 | 164.1 | 184.8 | 201.9 | 203.1 | 1878.3 |
| 1993-1994 | 183.6 | 184.6 | 142.3 | 138.8 | 135.4 | 117.9 | 138.2 | 150.5 | 173.1 | 185.9 | 200.5 | 205 | 1955.8 |
| 1994-1995 | 192.7 | 183.9 | 143.4 | 127.5 | 129 | 119.7 | 139.4 | 143.1 | 170.9 | 183.6 | 200 | 199.4 | 1932.6 |
| 1995-1996 | 183 | 167.3 | 131.6 | 128 | 123.7 | 116.4 | 131.1 | 138.2 | 171.8 | 182.9 | 199.5 | 199.8 | 1873.3 |
| 1996-1997 | 179.1 | 162.8 | 149.1 | 140.7 | 130.9 | 108.2 | 128.8 | 136.1 | 169.5 | 181.4 | 200.7 | 192.1 | 1879.4 |
| 1997-1998 | 176.8 | 167.4 | 146.9 | 133.9 | 124.9 | 116.9 | 130.7 | 149.5 | 167.9 | 183 | 201.6 | 205.3 | 1904.7 |
| 1998-1999 | 183.9 | 174.6 | 153 | 136.9 | 133 | 119.9 | 141.7 | 148.5 | 179.5 | 181.6 | 204.9 | 204 | 1961.7 |
| 1999-2000 | 186.4 | 175.1 | 146.4 | 139.2 | 120.1 | 114.6 | 132.5 | 148.4 | 171.9 | 189.9 | 205.6 | 202.7 | 1932.9 |
| 2000-2001 | 183.4 | 168.8 | 147.4 | 133.2 | 129.6 | 117.2 | 147.2 | 150.3 | 173.2 | 184.1 | 200.1 | 200.9 | 1935.3 |
| 2001-2002 | 182.2 | 172.7 | 143.9 | 133 | 120.8 | 120.9 | 141.1 | 144.9 | 169.6 | 185.9 | 205 | 201.4 | 1921.5 |
| 2002-2003 | 181.6 | 172.5 | 149.4 | 129.1 | 134 | 107.2 | 126.4 | 141.9 | 179.8 | 184.9 | 205.6 | 205.8 | 1918.3 |
| 2003-2004 | 183.5 | 174.7 | 148.2 | 135.9 | 124.3 | 113.3 | 139 | 146.7 | 167.4 | 181.8 | 202.4 | 200.6 | 1917.8 |
| 2004-2005 | 183.3 | 178.6 | 146.9 | 131.6 | 132 | 114.5 | 137.8 | 148.3 | 170.6 | 180.8 | 201.2 | 200.9 | 1926.4 |
| 2005-2006 | 184.7 | 166.5 | 138.9 | 134.8 | 124 | 115.7 | 137.3 | 150.2 | 173.2 | 186 | 202.6 | 204.7 | 1918.7 |
| 2006-2007 | 188.4 | 173 | 139.7 | 130.8 | 124 | 116.4 | 135.7 | 143.5 | 173.7 | 187.9 | 205.6 | 203.7 | 1922.3 |
| 2007-2008 | 184.7 | 176.9 | 147.9 | 131.1 | 120.9 | 111.5 | 147.5 | 153.9 | 171.2 | 188.2 | 204.2 | 205.4 | 1943.3 |
| 2008-2009 | 184.6 | 173.4 | 154 | 135.7 | 131.6 | 117.5 | 133.7 | 147.8 | 171.2 | 190.1 | 205.3 | 205.1 | 1950.1 |
| 2009-2010 | 183 | 180.8 | 147.9 | 140.5 | 134.5 | 121.1 | 144 | 153.1 | 174.2 | 182.3 | 199.2 | 209.3 | 1969.8 |
| 2010-2011 | 189.8 | 178.2 | 156 | 145.3 | 131.4 | 117.9 | 137.4 | 145.1 | 168.2 | 182.6 | 201.4 | 204.3 | 1957.6 |
| 2011-2012 | 187.2 | 170.3 | 138.1 | 132.7 | 125 | 112.1 | 131.6 | 148.8 | 169.7 | 185.6 | 207.6 | 207.3 | 1916.0 |
| 2012-2013 | 186.7 | 177.2 | 153.4 | 138 | 127.6 | 120.9 | 141.3 | 152 | 178.1 | 185 | 201.3 | 205.2 | 1966.7 |
| 2013-2014 | 184.5 | 167.8 | 155 | 130.8 | 136.4 | 120.9 | 144.6 | 151.8 | 169.7 | 184.3 | 200 | 202.5 | 1948.3 |
| 2014-2015 | 185.7 | 171.9 | 145.2 | 142.9 | 125.9 | 116 | 140.3 | 144.2 | 173.3 | 179 | 200.7 | 206.8 | 1932.1 |
| AVERAGE | 183.8 | 172.6 | 145.6 | 133.7 | 126.6 | 114.7 | 136.3 | 147.1 | 170.9 | 183.2 | 201.3 | 202.2 | |

**Table A. 49** Dortyol station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 136.8 | 63.81 | 46.34 | 43.23 | 41.46 | 43.11 | 54.85 | 119.1 | 147.6 | 167 | 179.2 | 163.1 | 1205.7 |
| 1979-1980 | 141.4 | 63.78 | 50.7 | 41.96 | 39.83 | 39.87 | 52.27 | 116.5 | 145.9 | 164.4 | 176.1 | 168.2 | 1200.9 |
| 1980-1981 | 137.2 | 63.63 | 50.71 | 42.9 | 41.2 | 40.8 | 54.82 | 119.7 | 141 | 166.1 | 178.3 | 168.1 | 1204.4 |
| 1981-1982 | 142.4 | 66.23 | 46.74 | 44.13 | 42.52 | 38.64 | 50.07 | 119.4 | 147.8 | 164 | 173.3 | 166.9 | 1202.1 |
| 1982-1983 | 143.5 | 64.23 | 46.85 | 41.03 | 39.13 | 39.23 | 51.35 | 117.9 | 149 | 160.5 | 175.7 | 164.9 | 1193.3 |
| 1983-1984 | 139.3 | 62.35 | 50.72 | 44.09 | 43.14 | 43.06 | 54.21 | 115.7 | 154.9 | 162.9 | 176.1 | 163.7 | 1210.1 |
| 1984-1985 | 136 | 62.29 | 47.41 | 40.57 | 43.26 | 38.65 | 53.41 | 118.9 | 151.4 | 163.5 | 175.7 | 177.4 | 1208.4 |
| 1985-1986 | 148.2 | 64.11 | 53.66 | 46.18 | 43.43 | 43.55 | 56.07 | 128.2 | 144.1 | 165.6 | 176.2 | 166.6 | 1235.9 |
| 1986-1987 | 142.5 | 62.08 | 45.88 | 41.77 | 42.95 | 43.38 | 48.44 | 114.1 | 143.9 | 162.4 | 178.7 | 167.3 | 1193.5 |
| 1987-1988 | 140.1 | 60.8 | 47.21 | 41.7 | 40.71 | 40.07 | 51.26 | 118.9 | 150.3 | 165.2 | 185.2 | 170.9 | 1212.4 |
| 1988-1989 | 141.6 | 62.01 | 45.61 | 41.29 | 38.27 | 39.6 | 54.03 | 129.9 | 153.4 | 162.5 | 179.4 | 165.4 | 1213.0 |
| 1989-1990 | 139.7 | 61.14 | 48.86 | 42.19 | 39.24 | 40.53 | 53.68 | 120.1 | 149.2 | 163.7 | 176.9 | 167.9 | 1203.1 |
| 1990-1991 | 139.3 | 64.49 | 50.87 | 43.79 | 41.1 | 40.16 | 55.28 | 120.7 | 148.2 | 164.3 | 176.6 | 166.7 | 1211.6 |
| 1991-1992 | 140.2 | 63.99 | 48.25 | 39.07 | 37.65 | 35.3 | 48.94 | 116.2 | 142.7 | 160 | 172.8 | 168.7 | 1173.8 |
| 1992-1993 | 138.9 | 64.44 | 48.28 | 38.48 | 39.44 | 37.81 | 53.25 | 117.8 | 143.2 | 166.9 | 179.5 | 169.8 | 1197.8 |
| 1993-1994 | 141.1 | 68.26 | 47.92 | 44.38 | 44.55 | 42.14 | 54.33 | 122.4 | 151.1 | 168 | 178.2 | 171.4 | 1233.7 |
| 1994-1995 | 148.1 | 67.99 | 48.28 | 40.76 | 42.48 | 42.82 | 54.78 | 116.3 | 149.2 | 165.9 | 177.7 | 166.8 | 1221.1 |
| 1995-1996 | 140.6 | 61.87 | 44.32 | 40.93 | 40.7 | 41.62 | 51.55 | 112.4 | 149.9 | 165.3 | 177.4 | 167.1 | 1193.6 |
| 1996-1997 | 137.6 | 60.19 | 50.21 | 44.97 | 43.08 | 38.7 | 50.66 | 110.7 | 147.9 | 164 | 178.4 | 160.7 | 1187.0 |
| 1997-1998 | 135.9 | 61.89 | 49.46 | 42.81 | 41.1 | 41.8 | 51.41 | 121.6 | 146.5 | 165.4 | 179.2 | 171.6 | 1208.6 |
| 1998-1999 | 141.4 | 64.57 | 51.52 | 43.78 | 43.77 | 42.87 | 55.74 | 120.8 | 156.6 | 164.1 | 182.1 | 170.6 | 1237.9 |
| 1999-2000 | 143.2 | 64.73 | 49.3 | 44.53 | 39.55 | 41 | 52.1 | 120.7 | 150 | 171.6 | 182.8 | 169.5 | 1229.0 |
| 2000-2001 | 140.9 | 62.42 | 49.63 | 42.59 | 42.65 | 41.9 | 57.89 | 122.2 | 151.1 | 166.3 | 177.8 | 168.1 | 1223.5 |
| 2001-2002 | 140 | 63.86 | 48.46 | 42.52 | 39.76 | 43.23 | 55.49 | 117.9 | 148 | 168 | 182.2 | 168.5 | 1217.9 |
| 2002-2003 | 139.6 | 63.78 | 50.31 | 41.26 | 44.09 | 38.33 | 49.68 | 115.4 | 156.9 | 167.1 | 182.8 | 172.1 | 1221.4 |
| 2003-2004 | 141 | 64.61 | 49.88 | 43.43 | 40.91 | 40.52 | 54.68 | 119.3 | 146.1 | 164.3 | 179.9 | 167.7 | 1212.3 |
| 2004-2005 | 140.9 | 66 | 49.47 | 42.06 | 43.44 | 40.94 | 54.21 | 120.7 | 148.8 | 163.3 | 178.7 | 168 | 1216.6 |
| 2005-2006 | 142 | 61.56 | 46.78 | 43.11 | 40.81 | 41.39 | 53.97 | 122.2 | 151.2 | 168.1 | 180.1 | 171.1 | 1222.1 |
| 2006-2007 | 144.8 | 63.97 | 47.07 | 41.84 | 40.8 | 41.6 | 53.36 | 116.7 | 151.6 | 169.8 | 182.8 | 170.3 | 1224.7 |
| 2007-2008 | 141.9 | 65.41 | 49.8 | 41.91 | 39.79 | 39.88 | 58.01 | 125.2 | 149.4 | 170 | 181.5 | 171.7 | 1234.5 |
| 2008-2009 | 141.9 | 64.11 | 51.85 | 43.4 | 43.31 | 42.03 | 52.58 | 120.2 | 149.4 | 171.8 | 182.4 | 171.5 | 1234.6 |
| 2009-2010 | 140.6 | 66.86 | 49.78 | 44.91 | 44.25 | 43.31 | 56.62 | 124.5 | 152 | 164.7 | 177 | 175 | 1239.6 |
| 2010-2011 | 145.9 | 65.87 | 52.56 | 46.47 | 43.23 | 42.17 | 54.03 | 118 | 146.7 | 165 | 179 | 170.8 | 1229.8 |
| 2011-2012 | 143.9 | 62.97 | 46.51 | 42.44 | 41.13 | 40.08 | 51.72 | 121.1 | 148 | 167.8 | 184.5 | 173.3 | 1223.4 |
| 2012-2013 | 143.5 | 65.49 | 51.65 | 44.11 | 42.03 | 43.24 | 55.57 | 123.7 | 155.4 | 167.2 | 178.9 | 171.6 | 1242.3 |
| 2013-2014 | 141.8 | 62.01 | 52.19 | 41.84 | 44.88 | 43.23 | 56.86 | 123.5 | 148 | 166.5 | 177.8 | 169.4 | 1228.1 |
| 2014-2015 | 142.7 | 63.57 | 48.89 | 45.71 | 41.46 | 41.49 | 55.16 | 117.3 | 151.2 | 161.7 | 178.4 | 173 | 1220.6 |
| AVERAGE | 141.3 | 63.8 | 49.0 | 42.8 | 41.7 | 41.0 | 53.6 | 119.6 | 149.1 | 165.5 | 178.9 | 169.1 | |

**Table A. 50** Dortyol station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.7 | 92.06 | 53.86 | 43.02 | 41.67 | 50.28 | 80.9 | 100.2 | 130.4 | 149.6 | 158.2 | 143.2 | 1159.1 |
| 1979-1980 | 119.1 | 92.02 | 61.11 | 40.82 | 38.87 | 45.21 | 77.19 | 98.3 | 129.4 | 148 | 156.3 | 146.5 | 1152.8 |
| 1980-1981 | 116 | 91.77 | 61.13 | 42.46 | 41.22 | 46.69 | 80.84 | 100.5 | 126.3 | 149 | 157.7 | 146.4 | 1160.0 |
| 1981-1982 | 119.8 | 95.78 | 54.55 | 44.58 | 43.48 | 43.28 | 74.06 | 100.3 | 130.6 | 147.7 | 154.5 | 145.7 | 1154.4 |
| 1982-1983 | 120.6 | 92.69 | 54.75 | 39.17 | 37.69 | 44.21 | 75.88 | 99.29 | 131.4 | 145.5 | 156.1 | 144.3 | 1141.6 |
| 1983-1984 | 117.5 | 89.85 | 61.16 | 44.53 | 44.54 | 50.22 | 79.98 | 97.77 | 135.2 | 147 | 156.3 | 143.5 | 1167.5 |
| 1984-1985 | 115.1 | 89.77 | 55.64 | 38.35 | 44.72 | 43.31 | 78.83 | 99.94 | 132.9 | 147.4 | 156.1 | 152.7 | 1154.8 |
| 1985-1986 | 124 | 92.53 | 66.04 | 48.21 | 45.01 | 50.98 | 82.6 | 106.4 | 128.2 | 148.7 | 156.4 | 145.5 | 1194.6 |
| 1986-1987 | 119.8 | 89.47 | 53.1 | 40.45 | 44.21 | 50.72 | 71.75 | 96.68 | 128.1 | 146.8 | 158 | 145.9 | 1145.0 |
| 1987-1988 | 118.1 | 87.55 | 55.34 | 40.32 | 40.38 | 45.5 | 75.74 | 99.92 | 132.2 | 148.5 | 162 | 148.3 | 1154.0 |
| 1988-1989 | 119.2 | 89.37 | 52.67 | 39.63 | 36.19 | 44.81 | 79.69 | 107.5 | 134.2 | 146.8 | 158.4 | 144.6 | 1153.1 |
| 1989-1990 | 117.8 | 88.04 | 58.08 | 41.18 | 37.87 | 46.27 | 79.19 | 100.8 | 131.5 | 147.5 | 156.8 | 146.3 | 1151.4 |
| 1990-1991 | 117.6 | 93.1 | 61.42 | 44 | 41.04 | 45.69 | 81.47 | 101.2 | 130.9 | 147.9 | 156.6 | 145.5 | 1166.5 |
| 1991-1992 | 118.2 | 92.35 | 57.06 | 35.74 | 35.19 | 38.04 | 72.46 | 98.11 | 127.3 | 145.3 | 154.2 | 146.8 | 1120.8 |
| 1992-1993 | 117.2 | 93.04 | 57.05 | 34.71 | 38.2 | 41.95 | 78.59 | 99.24 | 127.6 | 149.6 | 158.4 | 147.6 | 1143.2 |
| 1993-1994 | 118.9 | 98.83 | 56.5 | 45.05 | 46.93 | 48.78 | 80.14 | 102.4 | 132.7 | 150.2 | 157.6 | 148.7 | 1186.7 |
| 1994-1995 | 124 | 98.41 | 57.09 | 38.7 | 43.38 | 49.83 | 80.8 | 98.24 | 131.5 | 148.9 | 157.3 | 145.6 | 1173.7 |
| 1995-1996 | 118.5 | 89.11 | 50.51 | 39 | 40.37 | 47.96 | 76.14 | 95.51 | 132 | 148.5 | 157.1 | 145.8 | 1140.4 |
| 1996-1997 | 116.3 | 86.6 | 60.32 | 46.08 | 44.42 | 43.36 | 74.9 | 94.29 | 130.7 | 147.7 | 157.7 | 141.5 | 1143.9 |
| 1997-1998 | 115 | 89.13 | 59.06 | 42.28 | 41.06 | 48.27 | 75.96 | 101.9 | 129.8 | 148.6 | 158.2 | 148.8 | 1158.1 |
| 1998-1999 | 119 | 93.19 | 62.52 | 43.97 | 45.6 | 49.95 | 82.13 | 101.3 | 136.3 | 147.8 | 160.1 | 148.1 | 1190.0 |
| 1999-2000 | 120.4 | 93.48 | 58.81 | 45.28 | 38.35 | 46.98 | 76.97 | 101.2 | 132 | 152.5 | 160.5 | 147.4 | 1173.9 |
| 2000-2001 | 118.7 | 89.96 | 59.36 | 41.9 | 43.68 | 48.38 | 85.21 | 102.3 | 132.7 | 149.2 | 157.4 | 146.4 | 1175.2 |
| 2001-2002 | 118.1 | 92.11 | 57.42 | 41.79 | 38.78 | 50.47 | 81.79 | 99.27 | 130.7 | 150.2 | 160.1 | 146.7 | 1167.5 |
| 2002-2003 | 117.8 | 92.02 | 60.5 | 39.6 | 46.14 | 42.81 | 73.5 | 97.57 | 136.5 | 149.7 | 160.5 | 149.1 | 1165.7 |
| 2003-2004 | 118.8 | 93.27 | 59.79 | 43.39 | 40.72 | 46.21 | 80.6 | 100.3 | 129.5 | 147.9 | 158.7 | 146.2 | 1165.4 |
| 2004-2005 | 118.7 | 95.42 | 59.1 | 40.98 | 45.02 | 46.91 | 79.94 | 101.2 | 131.3 | 147.3 | 158 | 146.4 | 1170.2 |
| 2005-2006 | 119.5 | 88.68 | 54.62 | 42.82 | 40.54 | 47.58 | 79.63 | 102.2 | 132.8 | 150.3 | 158.8 | 148.5 | 1165.9 |
| 2006-2007 | 121.5 | 92.3 | 55.06 | 40.55 | 40.53 | 47.94 | 78.72 | 98.47 | 133 | 151.4 | 160.5 | 147.9 | 1167.9 |
| 2007-2008 | 119.5 | 94.49 | 59.65 | 40.69 | 38.83 | 45.23 | 85.36 | 104.3 | 131.6 | 151.5 | 159.7 | 148.9 | 1179.7 |
| 2008-2009 | 119.4 | 92.54 | 63.04 | 43.32 | 44.83 | 48.59 | 77.64 | 100.9 | 131.6 | 152.6 | 160.3 | 148.7 | 1183.5 |
| 2009-2010 | 118.5 | 96.69 | 59.64 | 45.97 | 46.42 | 50.6 | 83.4 | 103.8 | 133.3 | 148.2 | 156.9 | 151.1 | 1194.6 |
| 2010-2011 | 122.3 | 95.22 | 64.21 | 48.7 | 44.68 | 48.8 | 79.71 | 99.35 | 129.9 | 148.4 | 158.2 | 148.3 | 1187.7 |
| 2011-2012 | 120.9 | 90.78 | 54.16 | 41.63 | 41.11 | 45.55 | 76.43 | 101.4 | 130.8 | 150.1 | 161.6 | 150 | 1164.4 |
| 2012-2013 | 120.6 | 94.63 | 62.72 | 44.59 | 42.6 | 50.49 | 81.89 | 103.2 | 135.5 | 149.7 | 158.1 | 148.8 | 1192.8 |
| 2013-2014 | 119.4 | 89.37 | 63.6 | 40.57 | 47.48 | 50.46 | 83.74 | 103.1 | 130.8 | 149.3 | 157.4 | 147.3 | 1182.5 |
| 2014-2015 | 120 | 91.71 | 58.12 | 47.36 | 41.65 | 47.74 | 81.31 | 98.87 | 132.8 | 146.3 | 157.8 | 149.7 | 1173.4 |
| AVERAGE | 119.0 | 92.1 | 58.3 | 42.2 | 42.0 | 47.0 | 79.1 | 100.5 | 131.5 | 148.7 | 158.1 | 147.1 | |

**Table A. 51** Ercan station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 102.7 | 75.5 | 35.9 | 32.7 | 26.7 | 34.1 | 53.8 | 76.0 | 126.1 | 183.7 | 213.7 | 172.0 | 1132.8 |
| 1979-1980 | 123.2 | 70.8 | 41.0 | 26.6 | 24.5 | 27.7 | 45.0 | 66.8 | 114.0 | 162.0 | 193.3 | 173.8 | 1068.6 |
| 1980-1981 | 105.3 | 71.9 | 42.3 | 28.5 | 26.6 | 30.0 | 51.5 | 73.4 | 104.5 | 170.0 | 194.1 | 167.5 | 1065.6 |
| 1981-1982 | 112.4 | 75.3 | 35.0 | 29.5 | 27.3 | 27.4 | 42.4 | 72.7 | 115.9 | 162.5 | 178.1 | 165.1 | 1043.6 |
| 1982-1983 | 114.0 | 70.5 | 34.2 | 25.8 | 23.3 | 27.2 | 45.4 | 72.8 | 118.7 | 150.8 | 169.5 | 149.1 | 1001.5 |
| 1983-1984 | 103.0 | 64.0 | 40.7 | 28.8 | 28.2 | 31.6 | 48.1 | 67.3 | 129.8 | 150.3 | 178.9 | 146.1 | 1016.7 |
| 1984-1985 | 99.5 | 63.3 | 33.3 | 24.1 | 28.0 | 26.6 | 45.5 | 74.4 | 123.6 | 150.3 | 171.8 | 284.2 | 1124.7 |
| 1985-1986 | 177.7 | 94.1 | 63.5 | 40.3 | 27.1 | 32.0 | 51.1 | 84.6 | 105.1 | 164.2 | 192.9 | 164.5 | 1197.2 |
| 1986-1987 | 116.7 | 67.3 | 33.9 | 26.5 | 27.6 | 32.8 | 39.9 | 67.4 | 110.0 | 159.5 | 201.6 | 169.5 | 1052.8 |
| 1987-1988 | 115.7 | 65.4 | 36.7 | 27.4 | 26.1 | 29.5 | 44.9 | 71.3 | 122.0 | 163.2 | 216.2 | 173.8 | 1092.2 |
| 1988-1989 | 110.6 | 62.9 | 32.5 | 25.0 | 22.0 | 26.8 | 47.2 | 88.2 | 125.1 | 151.7 | 195.3 | 156.2 | 1043.4 |
| 1989-1990 | 106.2 | 60.5 | 37.1 | 26.6 | 22.6 | 28.3 | 47.4 | 72.2 | 117.3 | 158.4 | 188.5 | 163.0 | 1028.2 |
| 1990-1991 | 105.8 | 71.0 | 39.4 | 27.5 | 25.3 | 28.2 | 51.0 | 74.7 | 112.9 | 164.5 | 184.2 | 164.3 | 1048.8 |
| 1991-1992 | 109.7 | 69.4 | 36.9 | 23.4 | 21.9 | 22.8 | 39.4 | 69.3 | 109.1 | 153.1 | 176.2 | 169.1 | 1000.2 |
| 1992-1993 | 105.7 | 71.9 | 37.6 | 23.7 | 24.4 | 26.3 | 43.9 | 69.8 | 103.4 | 164.8 | 193.3 | 171.3 | 1035.9 |
| 1993-1994 | 109.6 | 82.7 | 35.2 | 28.6 | 28.4 | 29.7 | 46.7 | 80.0 | 124.6 | 166.0 | 189.4 | 176.8 | 1097.6 |
| 1994-1995 | 124.3 | 78.5 | 35.6 | 24.2 | 26.4 | 30.3 | 46.7 | 68.4 | 118.9 | 171.5 | 195.3 | 172.4 | 1092.6 |
| 1995-1996 | 111.4 | 66.6 | 31.7 | 25.2 | 24.6 | 30.8 | 45.4 | 64.1 | 127.1 | 171.9 | 197.6 | 170.8 | 1067.5 |
| 1996-1997 | 106.2 | 61.7 | 39.9 | 29.1 | 26.6 | 26.4 | 41.6 | 59.8 | 123.6 | 167.1 | 203.4 | 151.2 | 1036.5 |
| 1997-1998 | 102.1 | 66.7 | 38.3 | 27.0 | 24.8 | 29.4 | 44.0 | 79.3 | 116.0 | 172.0 | 209.1 | 190.3 | 1099.1 |
| 1998-1999 | 113.7 | 73.7 | 41.6 | 28.3 | 27.0 | 29.6 | 48.2 | 73.5 | 133.4 | 167.6 | 203.4 | 173.3 | 1113.3 |
| 1999-2000 | 114.0 | 72.6 | 38.9 | 28.8 | 23.1 | 28.4 | 44.6 | 74.3 | 120.7 | 185.8 | 221.4 | 174.7 | 1127.1 |
| 2000-2001 | 113.5 | 65.6 | 39.8 | 26.9 | 26.2 | 29.9 | 56.3 | 75.6 | 123.7 | 170.6 | 201.9 | 172.9 | 1103.0 |
| 2001-2002 | 109.7 | 68.8 | 36.9 | 27.0 | 24.1 | 32.1 | 50.0 | 68.9 | 115.0 | 170.6 | 209.8 | 170.5 | 1083.4 |
| 2002-2003 | 108.4 | 68.6 | 39.5 | 25.2 | 27.6 | 26.3 | 40.9 | 65.8 | 134.7 | 169.2 | 208.7 | 181.0 | 1096.0 |
| 2003-2004 | 109.7 | 71.9 | 38.6 | 27.0 | 24.5 | 28.1 | 49.0 | 71.9 | 113.1 | 164.3 | 203.9 | 165.0 | 1067.1 |
| 2004-2005 | 110.1 | 74.1 | 38.2 | 25.7 | 26.3 | 27.7 | 49.7 | 75.1 | 117.4 | 157.5 | 195.6 | 168.5 | 1066.0 |
| 2005-2006 | 112.5 | 63.3 | 34.5 | 27.5 | 24.9 | 29.2 | 46.8 | 74.6 | 120.6 | 168.3 | 192.9 | 173.1 | 1068.2 |
| 2006-2007 | 113.9 | 67.4 | 34.3 | 25.3 | 24.5 | 30.0 | 46.8 | 68.7 | 122.2 | 175.7 | 208.9 | 173.2 | 1090.7 |
| 2007-2008 | 111.4 | 73.6 | 39.9 | 26.2 | 23.6 | 28.8 | 57.5 | 82.5 | 120.7 | 182.5 | 206.8 | 183.0 | 1136.5 |
| 2008-2009 | 110.7 | 68.5 | 41.9 | 27.5 | 27.6 | 31.4 | 45.6 | 73.7 | 119.3 | 184.5 | 209.8 | 175.8 | 1116.1 |
| 2009-2010 | 106.6 | 76.4 | 38.1 | 29.3 | 27.7 | 31.3 | 51.3 | 78.3 | 122.7 | 160.8 | 191.7 | 191.1 | 1105.4 |
| 2010-2011 | 120.4 | 74.9 | 43.7 | 31.4 | 27.1 | 30.3 | 47.1 | 68.6 | 111.3 | 163.7 | 198.4 | 177.3 | 1094.3 |
| 2011-2012 | 116.7 | 66.2 | 33.7 | 26.1 | 24.6 | 26.9 | 43.7 | 74.4 | 114.0 | 173.1 | 215.8 | 182.7 | 1098.0 |
| 2012-2013 | 114.9 | 72.5 | 42.5 | 28.7 | 25.6 | 31.6 | 50.5 | 77.7 | 131.7 | 167.2 | 195.2 | 178.5 | 1116.5 |
| 2013-2014 | 110.5 | 65.0 | 43.1 | 25.6 | 29.2 | 32.0 | 52.9 | 77.8 | 114.6 | 166.5 | 192.3 | 174.4 | 1083.7 |
| 2014-2015 | 110.1 | 67.7 | 37.2 | 30.2 | 25.3 | 29.0 | 49.3 | 68.9 | 121.5 | 152.2 | 194.8 | 182.1 | 1068.3 |
| AVERAGE | 112.7 | 70.3 | 38.5 | 27.5 | 25.7 | 29.2 | 47.3 | 73.0 | 119.0 | 165.9 | 197.1 | 174.3 | |

**Table A. 52** Ercan station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.8 | 76.9 | 28.6 | 26.1 | 13.6 | 22.2 | 34.1 | 69.0 | 96.7 | 166.2 | 173.8 | 146.2 | 971.2 |
| 1979-1980 | 180.4 | 81.6 | 44.7 | 18.0 | 12.0 | 13.9 | 25.3 | 60.3 | 96.7 | 165.8 | 180.7 | 171.7 | 1051.1 |
| 1980-1981 | 139.7 | 80.7 | 46.1 | 21.1 | 15.1 | 17.5 | 34.9 | 73.7 | 81.2 | 170.8 | 175.9 | 159.5 | 1016.3 |
| 1981-1982 | 164.3 | 92.4 | 32.6 | 24.5 | 17.5 | 13.8 | 21.8 | 77.7 | 102.2 | 171.7 | 169.2 | 166.8 | 1054.5 |
| 1982-1983 | 188.0 | 93.0 | 34.4 | 18.8 | 11.5 | 15.0 | 29.9 | 89.1 | 117.8 | 172.9 | 176.6 | 163.7 | 1110.8 |
| 1983-1984 | 148.5 | 73.1 | 46.5 | 23.6 | 19.4 | 22.2 | 32.0 | 65.8 | 123.9 | 158.2 | 174.0 | 147.7 | 1035.0 |
| 1984-1985 | 130.9 | 66.9 | 27.6 | 13.0 | 18.0 | 12.0 | 25.7 | 78.0 | 108.0 | 147.6 | 155.2 | 274.4 | 1057.2 |
| 1985-1986 | 185.8 | 83.4 | 63.7 | 32.1 | 11.6 | 15.0 | 24.1 | 66.5 | 58.1 | 114.5 | 124.8 | 111.9 | 891.5 |
| 1986-1987 | 175.3 | 78.3 | 30.5 | 18.6 | 18.1 | 24.4 | 18.2 | 64.9 | 95.1 | 169.3 | 197.1 | 173.5 | 1063.3 |
| 1987-1988 | 160.5 | 69.8 | 34.2 | 19.1 | 14.4 | 16.7 | 24.4 | 68.9 | 104.4 | 162.7 | 199.0 | 167.1 | 1041.2 |
| 1988-1989 | 170.1 | 73.0 | 28.5 | 16.2 | 8.7 | 13.4 | 31.4 | 128.4 | 120.9 | 165.1 | 198.2 | 164.5 | 1118.6 |
| 1989-1990 | 163.2 | 69.3 | 39.9 | 19.9 | 9.9 | 16.5 | 32.4 | 83.3 | 111.4 | 178.0 | 193.3 | 175.5 | 1092.7 |
| 1990-1991 | 147.9 | 83.1 | 41.9 | 20.1 | 13.6 | 15.1 | 35.7 | 81.4 | 96.5 | 171.6 | 173.2 | 163.2 | 1043.2 |
| 1991-1992 | 189.5 | 95.8 | 43.5 | 14.5 | 9.5 | 7.3 | 20.2 | 84.1 | 109.0 | 187.0 | 195.5 | 200.2 | 1156.1 |
| 1992-1993 | 161.7 | 92.0 | 41.0 | 13.7 | 13.0 | 12.7 | 25.9 | 76.3 | 90.5 | 187.2 | 198.4 | 185.3 | 1097.7 |
| 1993-1994 | 139.3 | 93.9 | 29.3 | 20.1 | 17.4 | 16.0 | 25.7 | 84.3 | 101.4 | 156.3 | 162.0 | 160.6 | 1006.3 |
| 1994-1995 | 173.9 | 91.1 | 31.5 | 12.8 | 14.7 | 17.8 | 26.9 | 60.8 | 98.8 | 170.7 | 175.2 | 163.0 | 1037.4 |
| 1995-1996 | 164.6 | 77.2 | 25.6 | 16.0 | 12.8 | 20.4 | 27.1 | 56.9 | 119.0 | 187.2 | 193.2 | 175.5 | 1075.8 |
| 1996-1997 | 160.4 | 70.6 | 46.0 | 24.9 | 17.0 | 12.6 | 21.7 | 48.9 | 118.9 | 188.0 | 207.4 | 158.3 | 1074.7 |
| 1997-1998 | 133.2 | 71.6 | 37.5 | 18.2 | 12.1 | 16.4 | 22.9 | 88.3 | 96.0 | 173.1 | 190.8 | 183.2 | 1043.4 |
| 1998-1999 | 143.2 | 77.5 | 41.1 | 19.2 | 14.7 | 15.6 | 27.3 | 67.1 | 109.5 | 154.7 | 171.7 | 153.7 | 995.3 |
| 1999-2000 | 147.6 | 77.7 | 36.7 | 20.5 | 9.0 | 14.0 | 22.6 | 71.1 | 96.9 | 180.7 | 192.8 | 158.8 | 1028.3 |
| 2000-2001 | 147.0 | 66.2 | 38.6 | 17.2 | 13.9 | 16.5 | 40.6 | 74.3 | 100.8 | 162.7 | 174.7 | 157.2 | 1009.7 |
| 2001-2002 | 149.9 | 76.1 | 34.8 | 18.4 | 11.1 | 21.5 | 32.8 | 63.7 | 95.8 | 173.4 | 193.6 | 164.4 | 1035.4 |
| 2002-2003 | 148.1 | 76.2 | 40.7 | 15.0 | 17.2 | 11.4 | 18.5 | 56.6 | 121.7 | 172.3 | 193.4 | 176.3 | 1047.3 |
| 2003-2004 | 153.9 | 83.6 | 39.5 | 18.9 | 12.1 | 14.6 | 32.0 | 73.0 | 95.6 | 169.2 | 192.1 | 162.1 | 1046.5 |
| 2004-2005 | 152.9 | 86.7 | 38.2 | 16.2 | 15.1 | 13.9 | 32.7 | 80.2 | 100.4 | 158.3 | 181.6 | 164.4 | 1040.3 |
| 2005-2006 | 161.9 | 69.0 | 31.0 | 20.1 | 12.9 | 16.8 | 28.6 | 81.3 | 107.1 | 177.2 | 183.1 | 173.4 | 1062.6 |
| 2006-2007 | 160.8 | 74.9 | 29.8 | 15.4 | 11.9 | 17.9 | 28.1 | 64.4 | 106.9 | 182.9 | 195.7 | 169.9 | 1058.5 |
| 2007-2008 | 135.8 | 75.7 | 37.0 | 15.1 | 9.4 | 14.0 | 40.5 | 85.3 | 92.6 | 168.6 | 171.3 | 159.8 | 1005.0 |
| 2008-2009 | 139.7 | 69.9 | 42.2 | 17.9 | 15.9 | 18.7 | 23.7 | 68.5 | 94.0 | 176.8 | 179.7 | 157.9 | 1004.8 |
| 2009-2010 | 130.6 | 81.9 | 34.3 | 21.0 | 15.9 | 18.5 | 31.9 | 78.1 | 97.1 | 146.6 | 160.9 | 171.0 | 987.6 |
| 2010-2011 | 157.2 | 80.6 | 46.0 | 25.1 | 15.1 | 17.0 | 26.1 | 57.4 | 84.4 | 152.1 | 169.2 | 159.7 | 989.9 |
| 2011-2012 | 167.1 | 72.9 | 28.6 | 17.1 | 12.3 | 12.5 | 23.2 | 79.0 | 96.3 | 180.1 | 203.4 | 180.7 | 1073.1 |
| 2012-2013 | 142.2 | 74.2 | 42.0 | 19.5 | 12.4 | 18.5 | 30.1 | 74.8 | 105.5 | 151.3 | 161.0 | 155.9 | 987.3 |
| 2013-2014 | 143.4 | 66.0 | 45.9 | 14.9 | 18.9 | 20.3 | 35.8 | 80.6 | 90.7 | 159.6 | 167.6 | 160.7 | 1004.4 |
| 2014-2015 | 152.6 | 75.0 | 35.8 | 25.1 | 13.2 | 16.1 | 32.0 | 64.5 | 105.5 | 150.5 | 180.4 | 178.6 | 1029.4 |
| AVERAGE | 154.8 | 78.3 | 37.7 | 19.1 | 13.8 | 16.2 | 28.3 | 73.7 | 101.3 | 167.1 | 180.7 | 168.0 | |

**Table A. 53** Ercan station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 178.9 | 176.6 | 138 | 142.4 | 124.7 | 121.2 | 142.6 | 149.6 | 176.8 | 193.4 | 210.5 | 204.7 | 1959.6 |
| 1979-1980 | 191.3 | 172 | 147.1 | 128.1 | 118.5 | 107.7 | 130.1 | 140.7 | 169.8 | 184.9 | 203.5 | 205.5 | 1899.3 |
| 1980-1981 | 180.7 | 173.2 | 149.3 | 132.8 | 124.3 | 112.9 | 139.5 | 147.1 | 163.7 | 188.3 | 203.8 | 202.9 | 1918.6 |
| 1981-1982 | 185.1 | 176.5 | 136.3 | 135.2 | 126.3 | 107.2 | 125.8 | 146.5 | 171 | 185.2 | 197.8 | 201.9 | 1894.8 |
| 1982-1983 | 186.1 | 171.9 | 134.8 | 125.9 | 115.2 | 106.8 | 130.7 | 146.7 | 172.5 | 179.9 | 194.3 | 194.7 | 1859.4 |
| 1983-1984 | 179.2 | 165.1 | 146.6 | 133.5 | 128.6 | 116.4 | 134.8 | 141.4 | 178.8 | 179.7 | 198 | 193.2 | 1895.1 |
| 1984-1985 | 176.7 | 164.2 | 133.1 | 121.1 | 128.2 | 105.5 | 130.9 | 148.1 | 175.4 | 179.7 | 195.1 | 240.2 | 1898.3 |
| 1985-1986 | 216.3 | 192.2 | 176.9 | 157.3 | 125.8 | 117 | 138.9 | 156.8 | 164.1 | 185.9 | 203.4 | 201.7 | 2036.4 |
| 1986-1987 | 187.7 | 168.6 | 134.2 | 127.8 | 126.9 | 118.7 | 121.6 | 141.3 | 167.3 | 183.9 | 206.5 | 203.7 | 1888.2 |
| 1987-1988 | 187.1 | 166.6 | 139.4 | 130.1 | 123.1 | 111.9 | 129.8 | 145.2 | 174.6 | 185.5 | 211.4 | 205.5 | 1910.3 |
| 1988-1989 | 184 | 163.9 | 131.2 | 123.6 | 111.1 | 105.7 | 133.3 | 159.7 | 176.4 | 180.5 | 204.3 | 198 | 1871.7 |
| 1989-1990 | 181.2 | 161.1 | 140.2 | 128.1 | 113.1 | 109.2 | 133.7 | 146.1 | 171.8 | 183.4 | 201.8 | 201 | 1870.7 |
| 1990-1991 | 181 | 172.4 | 144.5 | 130.4 | 120.8 | 109.1 | 138.8 | 148.3 | 169.1 | 186 | 200.1 | 201.5 | 1902.0 |
| 1991-1992 | 183.5 | 170.7 | 139.9 | 119 | 110.8 | 95.31 | 120.6 | 143.2 | 166.8 | 181.1 | 197 | 203.6 | 1831.4 |
| 1992-1993 | 180.9 | 173.2 | 141.2 | 119.8 | 118.2 | 104.6 | 128.2 | 143.8 | 162.9 | 186.1 | 203.5 | 204.5 | 1866.8 |
| 1993-1994 | 183.4 | 183.1 | 136.7 | 133 | 129.1 | 112.3 | 132.7 | 153.1 | 176.1 | 186.6 | 202.1 | 206.7 | 1934.7 |
| 1994-1995 | 192 | 179.4 | 137.5 | 121.3 | 123.9 | 113.5 | 132.7 | 142.4 | 172.7 | 188.9 | 204.3 | 204.9 | 1913.6 |
| 1995-1996 | 184.5 | 167.9 | 129.5 | 124.3 | 119 | 114.6 | 130.6 | 138 | 177.5 | 189 | 205.1 | 204.3 | 1884.3 |
| 1996-1997 | 181.2 | 162.5 | 145.2 | 134.2 | 124.5 | 104.7 | 124.4 | 133.2 | 175.5 | 187.1 | 207.1 | 195.7 | 1875.3 |
| 1997-1998 | 178.6 | 167.9 | 142.5 | 129 | 119.3 | 111.6 | 128.5 | 152.4 | 171 | 189.1 | 209.1 | 211.9 | 1910.9 |
| 1998-1999 | 185.9 | 174.9 | 148.1 | 132.3 | 125.4 | 112.1 | 134.9 | 147.2 | 180.9 | 187.3 | 207.1 | 205.3 | 1941.5 |
| 1999-2000 | 186.1 | 173.9 | 143.5 | 133.4 | 114.4 | 109.5 | 129.4 | 148 | 173.8 | 194.3 | 213.1 | 205.9 | 1925.2 |
| 2000-2001 | 185.8 | 166.8 | 145.1 | 128.9 | 123.4 | 112.7 | 145.8 | 149.2 | 175.6 | 188.5 | 206.6 | 205.2 | 1933.5 |
| 2001-2002 | 183.5 | 170.1 | 139.9 | 129 | 117.4 | 117.3 | 137.4 | 142.9 | 170.4 | 188.5 | 209.3 | 204.2 | 1909.8 |
| 2002-2003 | 182.7 | 170 | 144.6 | 124.1 | 127.1 | 104.6 | 123.2 | 139.7 | 181.6 | 187.9 | 208.9 | 208.4 | 1902.7 |
| 2003-2004 | 183.5 | 173.2 | 143 | 129.1 | 118.6 | 108.7 | 136.1 | 145.8 | 169.3 | 185.9 | 207.3 | 201.9 | 1902.4 |
| 2004-2005 | 183.7 | 175.3 | 142.3 | 125.7 | 123.7 | 108 | 136.9 | 148.7 | 171.9 | 183 | 204.3 | 203.3 | 1906.9 |
| 2005-2006 | 185.1 | 164.3 | 135.3 | 130.4 | 119.7 | 111.2 | 132.7 | 148.2 | 173.8 | 187.6 | 203.4 | 205.2 | 1897.0 |
| 2006-2007 | 186 | 168.7 | 134.9 | 124.4 | 118.5 | 112.9 | 132.8 | 142.6 | 174.7 | 190.5 | 209 | 205.3 | 1900.2 |
| 2007-2008 | 184.5 | 174.9 | 145.4 | 127 | 116.1 | 110.4 | 147.3 | 155.1 | 173.8 | 193.1 | 208.3 | 209.1 | 1944.9 |
| 2008-2009 | 184.1 | 169.8 | 148.6 | 130.3 | 127 | 115.8 | 130.9 | 147.4 | 173 | 193.8 | 209.3 | 206.3 | 1936.3 |
| 2009-2010 | 181.5 | 177.5 | 142.1 | 134.7 | 127.3 | 115.7 | 139.2 | 151.6 | 175 | 184.4 | 202.9 | 212.2 | 1944.3 |
| 2010-2011 | 189.8 | 176.1 | 151.5 | 139.6 | 125.8 | 113.6 | 133.3 | 142.6 | 168.1 | 185.7 | 205.4 | 206.9 | 1938.3 |
| 2011-2012 | 187.7 | 167.4 | 133.7 | 126.8 | 119 | 105.9 | 128 | 148.1 | 169.8 | 189.5 | 211.3 | 209 | 1896.1 |
| 2012-2013 | 186.6 | 173.8 | 149.5 | 133.3 | 121.8 | 116.2 | 138.1 | 151.1 | 180 | 187.1 | 204.2 | 207.4 | 1949.0 |
| 2013-2014 | 183.9 | 166.2 | 150.5 | 125.1 | 130.9 | 117 | 141.4 | 151.1 | 170.2 | 186.8 | 203.2 | 205.7 | 1932.1 |
| 2014-2015 | 183.7 | 169 | 140.4 | 137 | 120.8 | 110.8 | 136.5 | 142.8 | 174.3 | 180.7 | 204.1 | 208.8 | 1908.9 |
| AVERAGE | 185.0 | 171.4 | 142.2 | 129.9 | 121.8 | 111.0 | 133.3 | 146.6 | 172.7 | 186.5 | 204.8 | 205.3 | |

**Table A. 54** Ercan station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 137.5 | 65.28 | 46.45 | 45.52 | 40.98 | 43.26 | 56.02 | 121.6 | 154.3 | 174.8 | 187.1 | 171.2 | 1243.9 |
| 1979-1980 | 147 | 63.63 | 49.5 | 40.89 | 38.98 | 38.51 | 51.1 | 114.4 | 148.1 | 167 | 180.8 | 171.8 | 1211.8 |
| 1980-1981 | 138.8 | 64 | 50.24 | 42.45 | 40.88 | 40.35 | 54.83 | 119.6 | 142.8 | 170 | 181.1 | 169.6 | 1214.6 |
| 1981-1982 | 142.2 | 65.23 | 45.88 | 43.19 | 41.56 | 38.3 | 49.44 | 119.1 | 149.1 | 167.2 | 175.7 | 168.8 | 1205.7 |
| 1982-1983 | 142.9 | 63.52 | 45.36 | 40.22 | 37.88 | 38.16 | 51.36 | 119.2 | 150.6 | 162.7 | 172.6 | 162.7 | 1187.2 |
| 1983-1984 | 137.6 | 61 | 49.33 | 42.66 | 42.25 | 41.55 | 52.91 | 114.9 | 156.1 | 162.4 | 175.9 | 161.6 | 1198.2 |
| 1984-1985 | 135.8 | 60.69 | 44.76 | 38.67 | 42.13 | 37.67 | 51.38 | 120.4 | 153.1 | 162.4 | 173.4 | 200.8 | 1221.2 |
| 1985-1986 | 166.2 | 71.03 | 59.55 | 50.27 | 41.39 | 41.83 | 54.61 | 127.5 | 143.1 | 167.9 | 180.7 | 168.5 | 1272.6 |
| 1986-1987 | 144.2 | 62.29 | 45.16 | 40.84 | 41.75 | 42.42 | 47.79 | 114.9 | 145.9 | 166.1 | 183.4 | 170.3 | 1205.1 |
| 1987-1988 | 143.7 | 61.56 | 46.94 | 41.58 | 40.48 | 40 | 51 | 118 | 152.3 | 167.5 | 187.8 | 171.8 | 1222.7 |
| 1988-1989 | 141.4 | 60.54 | 44.15 | 39.5 | 36.55 | 37.79 | 52.39 | 129.8 | 153.8 | 163 | 181.5 | 165.5 | 1205.9 |
| 1989-1990 | 139.2 | 59.53 | 47.19 | 40.93 | 37.19 | 39.02 | 52.55 | 118.8 | 149.9 | 165.7 | 179.2 | 168 | 1197.1 |
| 1990-1991 | 139 | 63.69 | 48.62 | 41.67 | 39.75 | 38.98 | 54.54 | 120.6 | 147.5 | 168 | 177.8 | 168.5 | 1208.6 |
| 1991-1992 | 140.9 | 63.08 | 47.09 | 38.02 | 36.44 | 34.07 | 47.38 | 116.4 | 145.4 | 163.6 | 175 | 170.1 | 1177.6 |
| 1992-1993 | 139 | 64 | 47.51 | 38.27 | 38.88 | 37.37 | 50.38 | 116.9 | 142.1 | 168.1 | 180.8 | 170.9 | 1194.2 |
| 1993-1994 | 140.9 | 67.65 | 46.03 | 42.49 | 42.46 | 40.12 | 52.14 | 124.5 | 153.6 | 168.5 | 179.5 | 172.8 | 1230.6 |
| 1994-1995 | 147.5 | 66.29 | 46.3 | 38.78 | 40.77 | 40.59 | 52.14 | 115.8 | 150.7 | 170.6 | 181.5 | 171.3 | 1222.1 |
| 1995-1996 | 141.7 | 62.03 | 43.59 | 39.71 | 39.16 | 40.97 | 51.33 | 112.2 | 154.8 | 170.7 | 182.2 | 170.8 | 1209.2 |
| 1996-1997 | 139.2 | 60.03 | 48.86 | 42.88 | 40.95 | 37.41 | 48.89 | 108.3 | 153.1 | 169 | 184 | 163.6 | 1196.2 |
| 1997-1998 | 137.2 | 62.06 | 47.96 | 41.24 | 39.26 | 39.9 | 50.49 | 123.9 | 149.2 | 170.8 | 185.7 | 177.1 | 1224.8 |
| 1998-1999 | 142.8 | 64.65 | 49.84 | 42.3 | 41.24 | 40.08 | 53.01 | 119.7 | 157.8 | 169.1 | 184 | 171.6 | 1236.2 |
| 1999-2000 | 142.9 | 64.26 | 48.29 | 42.65 | 37.63 | 39.15 | 50.83 | 120.3 | 151.6 | 175.5 | 189.3 | 172.1 | 1234.5 |
| 2000-2001 | 142.7 | 61.63 | 48.84 | 41.18 | 40.6 | 40.29 | 57.29 | 121.3 | 153.1 | 170.3 | 183.5 | 171.5 | 1232.2 |
| 2001-2002 | 140.9 | 62.87 | 47.08 | 41.22 | 38.61 | 41.91 | 54.01 | 116.2 | 148.6 | 170.3 | 185.9 | 170.7 | 1218.3 |
| 2002-2003 | 140.3 | 62.81 | 48.67 | 39.66 | 41.82 | 37.38 | 48.41 | 113.6 | 158.4 | 169.7 | 185.6 | 174.2 | 1220.5 |
| 2003-2004 | 140.9 | 64 | 48.13 | 41.25 | 39.01 | 38.87 | 53.48 | 118.5 | 147.6 | 167.9 | 184.1 | 168.7 | 1212.6 |
| 2004-2005 | 141.1 | 64.79 | 47.89 | 40.16 | 40.7 | 38.58 | 53.82 | 120.9 | 149.9 | 165.3 | 181.5 | 170 | 1214.7 |
| 2005-2006 | 142.2 | 60.71 | 45.54 | 41.65 | 39.39 | 39.74 | 52.15 | 120.5 | 151.6 | 169.4 | 180.7 | 171.5 | 1215.1 |
| 2006-2007 | 142.9 | 62.34 | 45.39 | 39.77 | 38.97 | 40.35 | 52.19 | 116 | 152.4 | 172.1 | 185.6 | 171.6 | 1219.5 |
| 2007-2008 | 141.7 | 64.61 | 48.92 | 40.57 | 38.19 | 39.47 | 57.87 | 126.1 | 151.6 | 174.4 | 185 | 174.8 | 1243.3 |
| 2008-2009 | 141.4 | 62.74 | 50.01 | 41.63 | 41.77 | 41.39 | 51.45 | 119.9 | 150.9 | 175.1 | 185.9 | 172.5 | 1234.6 |
| 2009-2010 | 139.4 | 65.6 | 47.83 | 43.07 | 41.87 | 41.36 | 54.71 | 123.3 | 152.6 | 166.6 | 180.3 | 177.4 | 1234.0 |
| 2010-2011 | 145.8 | 65.08 | 50.99 | 44.6 | 41.37 | 40.62 | 52.38 | 115.9 | 146.6 | 167.7 | 182.4 | 173 | 1226.5 |
| 2011-2012 | 144.2 | 61.85 | 44.99 | 40.51 | 39.14 | 37.86 | 50.3 | 120.4 | 148.1 | 171.1 | 187.7 | 174.7 | 1220.9 |
| 2012-2013 | 143.3 | 64.23 | 50.31 | 42.59 | 40.06 | 41.55 | 54.27 | 122.8 | 157 | 169 | 181.4 | 173.4 | 1239.9 |
| 2013-2014 | 141.3 | 61.4 | 50.65 | 39.99 | 43.05 | 41.83 | 55.59 | 122.9 | 148.4 | 168.7 | 180.5 | 172 | 1226.3 |
| 2014-2015 | 141.1 | 62.43 | 47.25 | 43.78 | 39.75 | 39.61 | 53.63 | 116.1 | 152 | 163.2 | 181.3 | 174.5 | 1214.8 |
| AVERAGE | 142.1 | 63.3 | 47.9 | 41.5 | 40.1 | 39.7 | 52.4 | 119.2 | 150.6 | 168.4 | 181.9 | 171.6 | |

**Table A. 55** Ercan station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 118.1 | 95.75 | 54.99 | 47.78 | 41.76 | 51.58 | 84.23 | 103.8 | 137.2 | 157.1 | 165.9 | 150.9 | 1209.0 |
| 1979-1980 | 125 | 93.16 | 60.09 | 39.73 | 38.28 | 44.06 | 77.18 | 98.84 | 133.3 | 152.3 | 161.9 | 151.3 | 1175.2 |
| 1980-1981 | 119.1 | 93.82 | 61.3 | 42.4 | 41.53 | 46.93 | 82.48 | 102.4 | 129.8 | 154.2 | 162.1 | 149.9 | 1186.0 |
| 1981-1982 | 121.6 | 95.68 | 54.05 | 43.71 | 42.67 | 43.73 | 74.78 | 102.1 | 133.9 | 152.4 | 158.7 | 149.3 | 1172.6 |
| 1982-1983 | 122.1 | 93.09 | 53.17 | 38.49 | 36.4 | 43.51 | 77.54 | 102.2 | 134.8 | 149.5 | 156.8 | 145.3 | 1152.8 |
| 1983-1984 | 118.2 | 89.27 | 59.79 | 42.78 | 43.93 | 48.88 | 79.82 | 99.2 | 138.3 | 149.4 | 158.8 | 144.4 | 1172.8 |
| 1984-1985 | 116.8 | 88.78 | 52.26 | 35.83 | 43.72 | 42.8 | 77.63 | 103 | 136.4 | 149.4 | 157.3 | 170.8 | 1174.6 |
| 1985-1986 | 139.1 | 104.5 | 76.81 | 56.11 | 42.37 | 49.26 | 82.15 | 107.9 | 130.1 | 152.8 | 161.9 | 149.2 | 1252.0 |
| 1986-1987 | 123 | 91.21 | 52.85 | 39.58 | 43 | 50.18 | 72.44 | 99.17 | 131.9 | 151.7 | 163.6 | 150.3 | 1169.0 |
| 1987-1988 | 122.7 | 90.12 | 55.8 | 40.89 | 40.83 | 46.4 | 77.02 | 101.3 | 136 | 152.6 | 166.4 | 151.3 | 1181.3 |
| 1988-1989 | 121 | 88.58 | 51.15 | 37.24 | 34.13 | 42.94 | 79 | 109.5 | 136.9 | 149.8 | 162.4 | 147.1 | 1159.7 |
| 1989-1990 | 119.4 | 87.03 | 56.24 | 39.74 | 35.22 | 44.86 | 79.23 | 101.8 | 134.4 | 151.4 | 161 | 148.8 | 1159.1 |
| 1990-1991 | 119.2 | 93.35 | 58.6 | 41.04 | 39.58 | 44.79 | 82.07 | 103.1 | 132.9 | 152.9 | 160 | 149.1 | 1176.7 |
| 1991-1992 | 120.6 | 92.41 | 56.06 | 34.64 | 33.95 | 37.09 | 71.86 | 100.2 | 131.6 | 150.1 | 158.3 | 150.2 | 1137.1 |
| 1992-1993 | 119.2 | 93.8 | 56.76 | 35.07 | 38.11 | 42.28 | 76.15 | 100.5 | 129.4 | 153 | 162 | 150.8 | 1157.0 |
| 1993-1994 | 120.6 | 99.35 | 54.28 | 42.47 | 44.22 | 46.58 | 78.64 | 105.8 | 136.8 | 153.2 | 161.2 | 152 | 1195.1 |
| 1994-1995 | 125.4 | 97.29 | 54.73 | 35.96 | 41.33 | 47.31 | 78.64 | 99.76 | 134.9 | 154.5 | 162.4 | 151 | 1183.2 |
| 1995-1996 | 121.2 | 90.83 | 50.24 | 37.59 | 38.57 | 47.9 | 77.49 | 97.31 | 137.6 | 154.6 | 162.8 | 150.7 | 1166.8 |
| 1996-1997 | 119.4 | 87.8 | 59 | 43.17 | 41.64 | 42.33 | 74.02 | 94.64 | 136.5 | 153.5 | 164 | 145.8 | 1161.7 |
| 1997-1998 | 117.9 | 90.87 | 57.51 | 40.26 | 38.74 | 46.22 | 76.28 | 105.4 | 133.9 | 154.6 | 165.1 | 154.9 | 1181.7 |
| 1998-1999 | 122 | 94.78 | 60.64 | 42.13 | 42.12 | 46.52 | 79.89 | 102.5 | 139.5 | 153.6 | 164 | 151.2 | 1198.9 |
| 1999-2000 | 122.1 | 94.22 | 58.06 | 42.74 | 35.97 | 45.05 | 76.78 | 102.9 | 135.5 | 157.5 | 167.3 | 151.5 | 1189.7 |
| 2000-2001 | 121.9 | 90.23 | 58.99 | 40.17 | 41.01 | 46.85 | 85.98 | 103.6 | 136.5 | 154.3 | 163.7 | 151.1 | 1194.4 |
| 2001-2002 | 120.6 | 92.1 | 56.04 | 40.25 | 37.64 | 49.4 | 81.3 | 100.1 | 133.6 | 154.3 | 165.2 | 150.6 | 1181.1 |
| 2002-2003 | 120.2 | 92 | 58.7 | 37.5 | 43.11 | 42.29 | 73.33 | 98.27 | 139.9 | 154 | 165 | 152.9 | 1177.1 |
| 2003-2004 | 120.6 | 93.83 | 57.79 | 40.3 | 38.33 | 44.62 | 80.55 | 101.7 | 133 | 152.9 | 164.1 | 149.3 | 1176.9 |
| 2004-2005 | 120.8 | 95.01 | 57.38 | 38.4 | 41.2 | 44.18 | 81.02 | 103.3 | 134.5 | 151.2 | 162.4 | 150.1 | 1179.5 |
| 2005-2006 | 121.6 | 88.81 | 53.49 | 41.01 | 38.98 | 45.98 | 78.65 | 103.1 | 135.5 | 153.8 | 161.9 | 151.2 | 1173.9 |
| 2006-2007 | 122.1 | 91.29 | 53.22 | 37.69 | 38.25 | 46.95 | 78.7 | 99.9 | 136 | 155.4 | 165 | 151.2 | 1175.7 |
| 2007-2008 | 121.2 | 94.74 | 59.11 | 39.11 | 36.94 | 45.57 | 86.82 | 106.9 | 135.5 | 156.9 | 164.6 | 153.4 | 1200.8 |
| 2008-2009 | 121 | 91.92 | 60.92 | 40.97 | 43.04 | 48.58 | 77.66 | 102.6 | 135 | 157.3 | 165.2 | 151.8 | 1195.9 |
| 2009-2010 | 119.5 | 96.25 | 57.3 | 43.47 | 43.21 | 48.53 | 82.3 | 104.9 | 136.2 | 152 | 161.6 | 155.1 | 1200.4 |
| 2010-2011 | 124.2 | 95.45 | 62.55 | 46.19 | 42.35 | 47.35 | 78.98 | 99.88 | 132.3 | 152.7 | 163 | 152.1 | 1197.1 |
| 2011-2012 | 123 | 90.56 | 52.56 | 39 | 38.54 | 43.04 | 76.02 | 103 | 133.3 | 154.8 | 166.3 | 153.3 | 1173.4 |
| 2012-2013 | 122.4 | 94.17 | 61.42 | 42.65 | 40.13 | 48.81 | 81.66 | 104.6 | 139 | 153.5 | 162.3 | 152.4 | 1203.1 |
| 2013-2014 | 120.9 | 89.86 | 62 | 38.08 | 45.22 | 49.26 | 83.56 | 104.7 | 133.5 | 153.3 | 161.8 | 151.5 | 1193.6 |
| 2014-2015 | 120.8 | 91.44 | 56.32 | 44.73 | 39.58 | 45.79 | 80.76 | 100 | 135.8 | 149.9 | 162.3 | 153.2 | 1180.6 |
| AVERAGE | 121.5 | 92.8 | 57.4 | 40.8 | 40.2 | 45.9 | 79.0 | 102.2 | 134.9 | 153.1 | 162.7 | 151.2 | |

**Table A. 56** Esentepe station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 104.7 | 73.0 | 36.0 | 30.6 | 30.9 | 35.3 | 51.5 | 72.1 | 103.0 | 150.2 | 164.6 | 139.4 | 991.3 |
| 1979-1980 | 102.3 | 68.1 | 43.4 | 29.5 | 25.3 | 28.8 | 46.4 | 65.9 | 103.5 | 144.2 | 170.8 | 162.8 | 990.9 |
| 1980-1981 | 100.6 | 70.1 | 42.1 | 28.3 | 27.1 | 30.5 | 50.6 | 71.9 | 100.4 | 165.3 | 180.6 | 140.2 | 1007.8 |
| 1981-1982 | 106.8 | 77.0 | 37.0 | 31.7 | 29.1 | 28.1 | 44.5 | 72.3 | 110.7 | 148.4 | 166.2 | 161.2 | 1013.1 |
| 1982-1983 | 114.0 | 70.4 | 36.0 | 26.6 | 24.5 | 28.1 | 45.9 | 69.9 | 114.0 | 143.6 | 179.4 | 151.3 | 1003.7 |
| 1983-1984 | 106.5 | 66.1 | 44.8 | 32.8 | 32.6 | 37.1 | 50.1 | 67.1 | 107.4 | 151.7 | 173.4 | 155.7 | 1025.2 |
| 1984-1985 | 92.8 | 65.8 | 36.6 | 27.2 | 30.0 | 28.4 | 46.5 | 71.9 | 117.9 | 151.3 | 181.9 | 163.5 | 1013.8 |
| 1985-1986 | 106.1 | 62.8 | 41.1 | 29.1 | 28.9 | 33.2 | 50.6 | 79.8 | 106.7 | 161.6 | 176.4 | 148.9 | 1025.1 |
| 1986-1987 | 107.6 | 64.0 | 33.8 | 27.7 | 24.1 | 34.3 | 41.0 | 64.3 | 98.5 | 137.6 | 191.4 | 163.7 | 987.9 |
| 1987-1988 | 104.5 | 63.0 | 37.3 | 27.8 | 27.4 | 30.8 | 44.4 | 72.4 | 117.7 | 152.0 | 201.7 | 160.2 | 1039.2 |
| 1988-1989 | 108.2 | 66.2 | 37.5 | 29.9 | 27.2 | 33.0 | 53.0 | 89.9 | 124.4 | 143.4 | 180.9 | 154.1 | 1047.6 |
| 1989-1990 | 106.9 | 70.2 | 40.8 | 28.6 | 26.7 | 32.4 | 47.2 | 70.8 | 107.1 | 144.5 | 167.5 | 151.2 | 994.0 |
| 1990-1991 | 98.7 | 69.4 | 40.8 | 29.6 | 27.0 | 28.3 | 49.3 | 66.6 | 99.6 | 139.5 | 161.9 | 142.6 | 953.3 |
| 1991-1992 | 97.8 | 68.3 | 37.3 | 24.2 | 22.2 | 24.0 | 41.7 | 64.1 | 98.1 | 129.8 | 154.9 | 153.6 | 916.1 |
| 1992-1993 | 93.4 | 65.6 | 36.7 | 23.1 | 24.8 | 26.7 | 43.4 | 64.2 | 89.1 | 147.4 | 178.8 | 152.1 | 945.2 |
| 1993-1994 | 97.3 | 78.1 | 35.2 | 28.5 | 27.9 | 30.0 | 45.2 | 72.9 | 110.9 | 150.3 | 160.9 | 143.9 | 981.1 |
| 1994-1995 | 118.1 | 70.1 | 32.3 | 22.3 | 25.3 | 33.3 | 50.2 | 69.2 | 112.0 | 157.8 | 182.4 | 159.0 | 1032.1 |
| 1995-1996 | 105.7 | 68.5 | 34.2 | 27.1 | 25.0 | 29.4 | 42.8 | 59.1 | 108.9 | 146.3 | 176.6 | 152.1 | 975.7 |
| 1996-1997 | 96.4 | 64.8 | 38.5 | 30.2 | 27.8 | 27.1 | 40.8 | 55.2 | 104.6 | 141.7 | 178.4 | 133.3 | 938.8 |
| 1997-1998 | 93.2 | 62.5 | 37.9 | 27.9 | 25.8 | 30.4 | 45.7 | 73.7 | 102.8 | 152.6 | 188.4 | 170.4 | 1011.4 |
| 1998-1999 | 103.6 | 72.7 | 44.1 | 29.8 | 27.8 | 30.6 | 48.0 | 72.9 | 128.6 | 168.6 | 196.4 | 162.7 | 1085.8 |
| 1999-2000 | 115.2 | 76.1 | 43.5 | 33.6 | 25.8 | 32.2 | 47.9 | 76.0 | 115.4 | 174.9 | 205.6 | 166.7 | 1113.1 |
| 2000-2001 | 112.5 | 66.5 | 42.9 | 28.6 | 28.1 | 31.7 | 55.8 | 71.7 | 116.3 | 150.7 | 174.6 | 156.0 | 1035.3 |
| 2001-2002 | 104.7 | 68.1 | 37.6 | 26.6 | 23.0 | 30.2 | 46.0 | 62.0 | 98.5 | 148.9 | 182.3 | 156.7 | 984.7 |
| 2002-2003 | 107.0 | 70.8 | 44.9 | 26.1 | 29.5 | 27.7 | 43.7 | 68.9 | 130.6 | 157.7 | 191.7 | 172.0 | 1070.6 |
| 2003-2004 | 106.8 | 73.3 | 42.3 | 28.9 | 27.1 | 29.9 | 50.3 | 70.3 | 105.9 | 150.7 | 183.4 | 148.2 | 1017.3 |
| 2004-2005 | 107.8 | 73.6 | 39.9 | 26.0 | 27.3 | 28.9 | 47.6 | 69.4 | 115.4 | 147.6 | 188.8 | 159.6 | 1031.8 |
| 2005-2006 | 114.3 | 63.6 | 35.6 | 28.5 | 28.6 | 35.8 | 56.6 | 85.6 | 110.4 | 158.4 | 180.8 | 165.4 | 1063.8 |
| 2006-2007 | 111.7 | 69.1 | 36.0 | 25.1 | 26.6 | 31.0 | 48.4 | 66.9 | 115.6 | 171.2 | 198.3 | 167.0 | 1066.9 |
| 2007-2008 | 116.8 | 79.4 | 43.4 | 29.4 | 25.9 | 30.2 | 57.2 | 77.2 | 117.7 | 169.8 | 193.9 | 173.9 | 1114.6 |
| 2008-2009 | 108.0 | 65.6 | 43.4 | 29.9 | 26.8 | 32.5 | 48.2 | 72.5 | 110.0 | 162.7 | 184.4 | 157.8 | 1041.7 |
| 2009-2010 | 101.1 | 74.3 | 40.0 | 32.0 | 30.9 | 34.3 | 53.8 | 76.8 | 114.8 | 146.1 | 171.2 | 175.8 | 1051.0 |
| 2010-2011 | 113.7 | 73.1 | 46.2 | 34.2 | 29.2 | 32.8 | 50.2 | 69.6 | 105.8 | 148.3 | 179.3 | 162.7 | 1045.0 |
| 2011-2012 | 112.3 | 66.4 | 35.1 | 28.6 | 27.0 | 29.9 | 46.4 | 73.6 | 106.5 | 156.7 | 197.2 | 170.6 | 1050.3 |
| 2012-2013 | 109.3 | 73.7 | 43.9 | 31.3 | 28.7 | 35.2 | 52.8 | 78.8 | 124.0 | 151.2 | 174.5 | 166.8 | 1070.1 |
| 2013-2014 | 106.2 | 64.8 | 44.5 | 27.8 | 31.8 | 34.3 | 54.0 | 72.6 | 104.0 | 147.0 | 164.6 | 154.0 | 1005.7 |
| 2014-2015 | 103.0 | 66.1 | 38.0 | 32.1 | 27.2 | 31.0 | 50.6 | 65.3 | 109.8 | 133.5 | 170.7 | 160.0 | 987.3 |
| AVERAGE | 105.8 | 69.2 | 39.5 | 28.7 | 27.3 | 31.0 | 48.3 | 70.9 | 109.9 | 151.4 | 179.9 | 157.7 | |

**Table A. 57** Esentepe station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 122.8 | 82.6 | 34.2 | 27.4 | 25.0 | 30.8 | 36.7 | 59.6 | 79.3 | 147.3 | 176.9 | 141.7 | 964.3 |
| 1979-1980 | 125.6 | 78.5 | 52.5 | 26.6 | 14.9 | 18.0 | 29.9 | 52.1 | 84.2 | 147.1 | 196.6 | 180.5 | 1006.5 |
| 1980-1981 | 117.4 | 78.6 | 47.4 | 22.7 | 17.6 | 20.7 | 35.6 | 59.9 | 76.9 | 168.5 | 201.3 | 144.1 | 990.5 |
| 1981-1982 | 125.0 | 88.5 | 36.0 | 29.6 | 21.3 | 15.4 | 25.1 | 59.4 | 88.2 | 143.8 | 177.7 | 167.7 | 977.7 |
| 1982-1983 | 145.5 | 83.0 | 36.3 | 20.3 | 13.5 | 16.5 | 29.2 | 59.5 | 98.3 | 147.1 | 210.3 | 166.4 | 1025.9 |
| 1983-1984 | 115.0 | 65.2 | 48.4 | 29.5 | 26.0 | 31.7 | 31.5 | 46.9 | 78.1 | 136.7 | 172.8 | 148.9 | 930.6 |
| 1984-1985 | 107.1 | 72.7 | 36.6 | 20.9 | 23.9 | 16.7 | 29.5 | 61.2 | 100.6 | 153.6 | 207.7 | 177.4 | 1007.9 |
| 1985-1986 | 119.9 | 63.0 | 43.1 | 23.2 | 20.1 | 25.0 | 33.9 | 69.5 | 80.8 | 155.6 | 185.5 | 147.8 | 967.4 |
| 1986-1987 | 142.2 | 75.2 | 33.0 | 23.9 | 13.3 | 32.1 | 22.3 | 52.4 | 82.0 | 146.0 | 240.3 | 192.3 | 1055.0 |
| 1987-1988 | 121.3 | 65.3 | 36.6 | 21.4 | 18.0 | 20.9 | 25.0 | 59.6 | 96.6 | 148.3 | 225.6 | 166.5 | 1005.1 |
| 1988-1989 | 117.6 | 65.5 | 34.2 | 23.9 | 16.3 | 23.5 | 36.0 | 81.6 | 97.1 | 126.8 | 182.5 | 147.4 | 952.4 |
| 1989-1990 | 129.4 | 80.0 | 45.4 | 23.8 | 17.2 | 25.1 | 30.5 | 59.0 | 86.6 | 143.4 | 185.9 | 160.8 | 987.2 |
| 1990-1991 | 127.4 | 86.0 | 49.8 | 28.4 | 19.4 | 17.9 | 37.1 | 56.8 | 83.9 | 149.6 | 195.4 | 163.6 | 1015.3 |
| 1991-1992 | 149.3 | 99.1 | 49.3 | 18.8 | 11.6 | 11.0 | 27.9 | 62.2 | 96.3 | 160.1 | 220.3 | 212.3 | 1118.3 |
| 1992-1993 | 132.0 | 88.1 | 44.9 | 15.1 | 16.6 | 16.3 | 29.8 | 58.8 | 77.1 | 181.1 | 250.2 | 198.3 | 1108.2 |
| 1993-1994 | 118.6 | 97.0 | 34.8 | 24.6 | 20.3 | 20.7 | 28.3 | 65.2 | 95.0 | 157.5 | 183.9 | 157.5 | 1003.5 |
| 1994-1995 | 145.3 | 78.9 | 26.9 | 10.8 | 14.5 | 26.8 | 35.2 | 55.7 | 91.9 | 159.7 | 205.0 | 169.0 | 1019.7 |
| 1995-1996 | 142.2 | 85.8 | 34.8 | 23.0 | 15.6 | 21.0 | 26.0 | 43.8 | 98.7 | 162.9 | 223.1 | 180.4 | 1057.3 |
| 1996-1997 | 133.3 | 83.4 | 47.9 | 32.4 | 22.8 | 16.7 | 23.8 | 39.0 | 98.1 | 165.6 | 240.8 | 162.4 | 1066.3 |
| 1997-1998 | 109.9 | 68.4 | 40.3 | 22.9 | 15.8 | 21.3 | 28.7 | 65.6 | 83.1 | 158.5 | 221.5 | 189.7 | 1025.6 |
| 1998-1999 | 105.4 | 71.7 | 44.7 | 22.4 | 16.5 | 17.9 | 27.0 | 52.9 | 96.8 | 149.0 | 191.1 | 149.2 | 944.7 |
| 1999-2000 | 114.1 | 72.4 | 41.1 | 28.0 | 12.5 | 19.6 | 25.4 | 54.1 | 78.5 | 146.9 | 189.6 | 144.7 | 926.9 |
| 2000-2001 | 125.9 | 67.2 | 45.6 | 21.6 | 18.3 | 21.3 | 41.0 | 54.9 | 89.7 | 138.1 | 177.9 | 152.1 | 953.6 |
| 2001-2002 | 137.2 | 83.1 | 42.1 | 21.3 | 11.3 | 22.3 | 30.9 | 48.0 | 82.0 | 162.8 | 226.5 | 182.8 | 1050.3 |
| 2002-2003 | 115.8 | 72.6 | 48.6 | 16.4 | 20.3 | 13.5 | 22.2 | 49.7 | 103.9 | 144.1 | 196.0 | 167.4 | 970.5 |
| 2003-2004 | 123.6 | 81.7 | 46.7 | 23.4 | 17.3 | 18.8 | 34.2 | 55.5 | 81.5 | 145.3 | 199.2 | 150.3 | 977.5 |
| 2004-2005 | 125.5 | 82.4 | 41.7 | 17.5 | 17.7 | 16.9 | 29.8 | 54.2 | 93.3 | 141.7 | 207.0 | 164.6 | 992.3 |
| 2005-2006 | 122.9 | 60.0 | 29.9 | 20.5 | 18.4 | 28.4 | 40.5 | 73.2 | 79.7 | 141.2 | 177.5 | 156.0 | 948.2 |
| 2006-2007 | 127.2 | 72.5 | 32.7 | 15.2 | 15.9 | 20.4 | 30.2 | 48.4 | 90.6 | 166.0 | 212.0 | 167.8 | 998.8 |
| 2007-2008 | 115.4 | 76.4 | 40.8 | 20.3 | 12.5 | 16.0 | 37.7 | 55.3 | 80.4 | 140.9 | 176.0 | 151.1 | 922.8 |
| 2008-2009 | 120.3 | 66.2 | 46.9 | 24.4 | 16.0 | 23.2 | 29.5 | 56.6 | 83.1 | 153.9 | 191.9 | 155.4 | 967.4 |
| 2009-2010 | 103.6 | 75.3 | 37.8 | 27.0 | 22.0 | 25.1 | 35.8 | 59.5 | 83.6 | 125.4 | 163.9 | 165.4 | 924.4 |
| 2010-2011 | 121.6 | 73.8 | 49.5 | 31.4 | 19.3 | 22.3 | 30.7 | 49.2 | 74.1 | 128.8 | 174.8 | 152.3 | 928.0 |
| 2011-2012 | 130.5 | 69.5 | 31.4 | 22.5 | 16.9 | 18.5 | 27.5 | 60.1 | 81.4 | 151.1 | 214.7 | 175.2 | 999.4 |
| 2012-2013 | 110.5 | 71.5 | 43.3 | 24.6 | 17.6 | 25.8 | 33.1 | 59.9 | 90.0 | 126.3 | 161.2 | 149.9 | 913.7 |
| 2013-2014 | 120.9 | 66.7 | 50.4 | 20.8 | 25.8 | 27.5 | 39.5 | 58.4 | 78.1 | 138.2 | 170.8 | 155.0 | 952.1 |
| 2014-2015 | 125.4 | 74.2 | 40.1 | 32.0 | 18.6 | 22.4 | 36.8 | 50.6 | 91.5 | 130.5 | 194.2 | 175.1 | 991.4 |
| AVERAGE | 124.1 | 76.3 | 41.2 | 23.2 | 17.9 | 21.3 | 31.2 | 57.0 | 87.3 | 148.4 | 198.0 | 164.6 | |

**Table A. 58** Esentepe station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 180.1 | 174.1 | 138 | 137.5 | 134.8 | 123.1 | 139.4 | 145.8 | 162.4 | 179.5 | 192 | 189.8 | 1896.5 |
| 1979-1980 | 178.4 | 169.2 | 150.7 | 135.2 | 120.7 | 110.2 | 131.9 | 139.7 | 162.7 | 176.8 | 194.5 | 200.6 | 1870.7 |
| 1980-1981 | 177.3 | 171.3 | 148.7 | 132.1 | 125.4 | 113.9 | 138.1 | 145.6 | 160.6 | 186.1 | 198.5 | 190.1 | 1887.7 |
| 1981-1982 | 181.4 | 177.8 | 139.9 | 140.1 | 130.6 | 108.6 | 129 | 146 | 167.5 | 178.7 | 192.6 | 199.9 | 1892.2 |
| 1982-1983 | 185.8 | 171.5 | 138 | 127.9 | 118.4 | 108.6 | 131.2 | 143.7 | 169.6 | 176.5 | 198 | 195.5 | 1864.7 |
| 1983-1984 | 181.2 | 167.1 | 152.9 | 142.5 | 138.6 | 126.2 | 137.4 | 140.9 | 165.4 | 180.2 | 195.6 | 197.5 | 1925.4 |
| 1984-1985 | 171.8 | 166.7 | 139.1 | 129.4 | 132.7 | 109.3 | 132.2 | 145.6 | 171.9 | 180 | 199 | 201 | 1878.8 |
| 1985-1986 | 180.9 | 163.5 | 147 | 134.1 | 130 | 119.1 | 138.1 | 152.7 | 164.9 | 184.5 | 196.8 | 194.4 | 1906.0 |
| 1986-1987 | 181.9 | 164.8 | 133.7 | 130.7 | 117.2 | 121.3 | 123.3 | 138 | 159.3 | 173.6 | 202.5 | 201 | 1847.2 |
| 1987-1988 | 179.9 | 163.7 | 140.4 | 131 | 126.4 | 114.5 | 128.9 | 146.1 | 171.8 | 180.4 | 206.3 | 199.5 | 1888.8 |
| 1988-1989 | 182.3 | 167.2 | 140.8 | 136.1 | 125.7 | 118.9 | 141.3 | 160.8 | 175.7 | 176.4 | 198.6 | 196.8 | 1920.4 |
| 1989-1990 | 181.4 | 171.4 | 146.5 | 132.9 | 124.6 | 117.7 | 133.2 | 144.5 | 165.2 | 176.9 | 193.2 | 195.4 | 1883.0 |
| 1990-1991 | 176 | 170.6 | 146.6 | 135.2 | 125.2 | 109 | 136.2 | 140.4 | 160.1 | 174.5 | 190.8 | 191.3 | 1855.9 |
| 1991-1992 | 175.4 | 169.4 | 140.5 | 121.1 | 111.5 | 98.63 | 124.4 | 137.8 | 159 | 169.6 | 187.7 | 196.5 | 1791.7 |
| 1992-1993 | 172.3 | 166.6 | 139.4 | 117.7 | 119.3 | 105.3 | 127.3 | 137.9 | 152.2 | 178.3 | 197.7 | 195.8 | 1809.8 |
| 1993-1994 | 175 | 178.8 | 136.6 | 132.7 | 127.6 | 112.8 | 130.1 | 146.5 | 167.6 | 179.6 | 190.3 | 191.9 | 1869.7 |
| 1994-1995 | 188.2 | 171.2 | 130.7 | 115.4 | 120.8 | 119.4 | 137.6 | 143 | 168.4 | 182.9 | 199.2 | 199 | 1875.7 |
| 1995-1996 | 180.6 | 169.7 | 134.5 | 129.1 | 119.9 | 111.5 | 126.3 | 132.2 | 166.4 | 177.8 | 196.9 | 195.8 | 1840.8 |
| 1996-1997 | 174.4 | 165.7 | 142.6 | 136.8 | 127.3 | 106.3 | 122.9 | 127.5 | 163.6 | 175.6 | 197.6 | 186.6 | 1826.9 |
| 1997-1998 | 172.1 | 163.2 | 141.7 | 131.2 | 122 | 113.6 | 130.9 | 147.3 | 162.3 | 180.6 | 201.5 | 203.9 | 1870.1 |
| 1998-1999 | 179.3 | 173.7 | 151.9 | 135.8 | 127.3 | 114.1 | 134.4 | 146.5 | 178 | 187.5 | 204.4 | 200.6 | 1933.5 |
| 1999-2000 | 186.5 | 177 | 151 | 144.3 | 122.2 | 117.3 | 134.2 | 149.4 | 170.5 | 189.9 | 207.6 | 202.3 | 1952.2 |
| 2000-2001 | 185 | 167.5 | 150 | 132.9 | 128.2 | 116.2 | 145 | 145.4 | 171 | 179.7 | 196.1 | 197.6 | 1914.5 |
| 2001-2002 | 180 | 169.2 | 141.1 | 127.8 | 114 | 113.3 | 131.3 | 135.5 | 159.3 | 179 | 199.2 | 198 | 1847.6 |
| 2002-2003 | 181.5 | 171.9 | 153.1 | 126.3 | 131.4 | 107.7 | 127.8 | 142.6 | 179.2 | 182.9 | 202.7 | 204.5 | 1911.7 |
| 2003-2004 | 181.4 | 174.4 | 149.1 | 133.7 | 125.6 | 112.6 | 137.7 | 144 | 164.4 | 179.8 | 199.5 | 194 | 1896.3 |
| 2004-2005 | 182 | 174.7 | 145 | 126.2 | 126.2 | 110.5 | 133.7 | 143.1 | 170.4 | 178.4 | 201.6 | 199.2 | 1891.0 |
| 2005-2006 | 186 | 164.4 | 137.4 | 132.6 | 129.4 | 124 | 146 | 157.5 | 167.3 | 183.2 | 198.5 | 201.8 | 1928.2 |
| 2006-2007 | 184.4 | 170.2 | 138.1 | 123.7 | 124.3 | 114.9 | 135 | 140.6 | 170.6 | 188.5 | 205 | 202.4 | 1897.8 |
| 2007-2008 | 187.5 | 179.9 | 150.8 | 134.8 | 122.3 | 113.1 | 146.7 | 150.4 | 171.8 | 187.9 | 203.5 | 205.3 | 1954.0 |
| 2008-2009 | 182.1 | 166.5 | 150.8 | 136 | 124.7 | 117.9 | 134.7 | 146.1 | 167 | 185 | 199.9 | 198.4 | 1909.2 |
| 2009-2010 | 177.7 | 175.4 | 145.3 | 140.8 | 134.7 | 121.2 | 142.3 | 150.1 | 170.1 | 177.6 | 194.7 | 206 | 1935.9 |
| 2010-2011 | 185.7 | 174.2 | 155 | 145.4 | 130.8 | 118.4 | 137.4 | 143.4 | 164.3 | 178.7 | 198 | 200.6 | 1931.8 |
| 2011-2012 | 184.8 | 167.4 | 136.4 | 132.9 | 125.4 | 112.5 | 132 | 147.1 | 164.8 | 182.4 | 204.6 | 204 | 1894.3 |
| 2012-2013 | 183 | 174.7 | 151.6 | 139.2 | 129.5 | 122.9 | 141 | 151.8 | 175.5 | 180 | 196 | 202.3 | 1947.6 |
| 2013-2014 | 181 | 165.7 | 152.5 | 131 | 136.7 | 121.2 | 142.7 | 146.3 | 163.1 | 178.1 | 191.9 | 196.7 | 1907.0 |
| 2014-2015 | 178.9 | 167.1 | 141.7 | 140.9 | 125.9 | 114.8 | 138.1 | 139 | 166.9 | 171.5 | 194.5 | 199.4 | 1878.9 |
| AVERAGE | 180.6 | 170.2 | 144.0 | 132.8 | 125.9 | 114.6 | 134.6 | 144.3 | 166.8 | 180.0 | 198.0 | 198.3 | |

**Table A. 59** Esentepe station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 138.5 | 64.42 | 46.52 | 44.02 | 44.42 | 44.07 | 54.83 | 118.7 | 141.8 | 162.4 | 170.7 | 158.8 | 1189.2 |
| 1979-1980 | 137.3 | 62.6 | 50.8 | 43.25 | 39.75 | 39.46 | 51.91 | 113.7 | 142.2 | 159.9 | 173.1 | 167.9 | 1181.7 |
| 1980-1981 | 136.4 | 63.37 | 50.1 | 42.26 | 41.31 | 40.77 | 54.35 | 118.5 | 140.3 | 168.3 | 176.6 | 159.1 | 1191.4 |
| 1981-1982 | 139.5 | 65.81 | 47.16 | 44.84 | 43.03 | 38.85 | 50.76 | 118.8 | 146.3 | 161.7 | 171.4 | 167.3 | 1195.5 |
| 1982-1983 | 142.9 | 63.47 | 46.52 | 40.93 | 39 | 38.85 | 51.62 | 117 | 148.1 | 159.6 | 176.1 | 163.6 | 1187.8 |
| 1983-1984 | 139.4 | 61.82 | 51.55 | 45.59 | 45.66 | 45.18 | 54.06 | 114.7 | 144.4 | 163 | 174 | 165.3 | 1204.6 |
| 1984-1985 | 132.1 | 61.69 | 46.89 | 41.42 | 43.73 | 39.12 | 52.02 | 118.5 | 150.2 | 162.8 | 177 | 168.2 | 1193.7 |
| 1985-1986 | 139.2 | 60.5 | 49.54 | 42.9 | 42.82 | 42.65 | 54.35 | 124.3 | 144 | 166.9 | 175.1 | 162.7 | 1204.9 |
| 1986-1987 | 139.9 | 60.96 | 45.04 | 41.84 | 38.6 | 43.41 | 48.53 | 112.4 | 139.1 | 157 | 180.2 | 168.3 | 1175.1 |
| 1987-1988 | 138.4 | 60.58 | 47.32 | 41.91 | 41.62 | 41 | 50.71 | 118.9 | 150.1 | 163.1 | 183.5 | 167 | 1204.0 |
| 1988-1989 | 140.2 | 61.85 | 47.44 | 43.55 | 41.41 | 42.54 | 55.62 | 130.9 | 153.5 | 159.5 | 176.6 | 164.7 | 1217.8 |
| 1989-1990 | 139.6 | 63.4 | 49.37 | 42.52 | 41.03 | 42.13 | 52.43 | 117.7 | 144.3 | 160 | 171.8 | 163.6 | 1187.8 |
| 1990-1991 | 135.4 | 63.11 | 49.41 | 43.28 | 41.26 | 39.01 | 53.61 | 114.3 | 139.8 | 157.8 | 169.7 | 160.1 | 1166.8 |
| 1991-1992 | 134.9 | 62.69 | 47.36 | 38.74 | 36.71 | 35.3 | 48.96 | 112.2 | 138.9 | 153.4 | 166.9 | 164.5 | 1140.6 |
| 1992-1993 | 132.5 | 61.64 | 46.98 | 37.67 | 39.29 | 37.69 | 50.11 | 112.2 | 133 | 161.2 | 175.9 | 163.9 | 1152.1 |
| 1993-1994 | 134.6 | 66.17 | 46.03 | 42.46 | 42.03 | 40.36 | 51.21 | 119.3 | 146.4 | 162.4 | 169.3 | 160.7 | 1181.0 |
| 1994-1995 | 144.8 | 63.34 | 44.03 | 36.93 | 39.8 | 42.73 | 54.15 | 116.4 | 147 | 165.4 | 177.2 | 166.5 | 1198.4 |
| 1995-1996 | 138.9 | 62.77 | 45.34 | 41.32 | 39.5 | 39.92 | 49.7 | 107.6 | 145.3 | 160.8 | 175.1 | 163.9 | 1170.3 |
| 1996-1997 | 134.1 | 61.3 | 48.06 | 43.76 | 41.95 | 38.05 | 48.36 | 103.8 | 142.8 | 158.8 | 175.8 | 156.2 | 1153.0 |
| 1997-1998 | 132.4 | 60.38 | 47.73 | 41.98 | 40.19 | 40.66 | 51.52 | 119.9 | 141.7 | 163.4 | 179.2 | 170.6 | 1189.6 |
| 1998-1999 | 137.9 | 64.29 | 51.19 | 43.46 | 41.95 | 40.84 | 52.87 | 119.3 | 155.5 | 169.5 | 181.8 | 167.9 | 1226.5 |
| 1999-2000 | 143.5 | 65.5 | 50.88 | 46.18 | 40.24 | 42 | 52.81 | 121.6 | 148.9 | 171.8 | 184.7 | 169.3 | 1237.3 |
| 2000-2001 | 142.3 | 61.98 | 50.55 | 42.51 | 42.22 | 41.6 | 57.07 | 118.3 | 149.3 | 162.6 | 174.4 | 165.4 | 1208.3 |
| 2001-2002 | 138.5 | 62.61 | 47.55 | 40.91 | 37.56 | 40.55 | 51.67 | 110.3 | 139.1 | 161.9 | 177.1 | 165.7 | 1173.4 |
| 2002-2003 | 139.6 | 63.6 | 51.59 | 40.43 | 43.3 | 38.56 | 50.3 | 116.1 | 156.5 | 165.4 | 180.3 | 171.2 | 1216.9 |
| 2003-2004 | 139.5 | 64.53 | 50.25 | 42.79 | 41.37 | 40.31 | 54.2 | 117.2 | 143.6 | 162.6 | 177.5 | 162.4 | 1196.3 |
| 2004-2005 | 140 | 64.63 | 48.86 | 40.38 | 41.56 | 39.54 | 52.62 | 116.5 | 148.9 | 161.3 | 179.3 | 166.8 | 1200.4 |
| 2005-2006 | 143.1 | 60.84 | 46.3 | 42.42 | 42.62 | 44.4 | 57.46 | 128.2 | 146.2 | 165.7 | 176.6 | 168.9 | 1222.6 |
| 2006-2007 | 141.9 | 62.97 | 46.55 | 39.57 | 40.95 | 41.12 | 53.13 | 114.5 | 149 | 170.4 | 182.4 | 169.4 | 1211.9 |
| 2007-2008 | 144.2 | 66.59 | 50.82 | 43.15 | 40.28 | 40.49 | 57.72 | 122.4 | 150 | 169.9 | 181 | 171.8 | 1238.5 |
| 2008-2009 | 140.1 | 61.61 | 50.82 | 43.51 | 41.07 | 42.2 | 53.01 | 119 | 145.9 | 167.3 | 177.8 | 166.1 | 1208.4 |
| 2009-2010 | 136.6 | 64.89 | 48.97 | 45.06 | 44.36 | 43.4 | 56.02 | 122.2 | 148.6 | 160.7 | 173.2 | 172.5 | 1216.4 |
| 2010-2011 | 142.8 | 64.44 | 52.23 | 46.54 | 43.1 | 42.37 | 54.09 | 116.7 | 143.5 | 161.6 | 176.1 | 167.9 | 1211.4 |
| 2011-2012 | 142.2 | 61.95 | 45.97 | 42.53 | 41.3 | 40.26 | 51.93 | 119.8 | 143.9 | 165 | 182 | 170.7 | 1207.6 |
| 2012-2013 | 140.7 | 64.65 | 51.09 | 44.53 | 42.68 | 44 | 55.5 | 123.6 | 153.3 | 162.8 | 174.4 | 169.3 | 1226.6 |
| 2013-2014 | 139.2 | 61.32 | 51.39 | 41.91 | 45.04 | 43.4 | 56.16 | 119.1 | 142.5 | 161 | 170.7 | 164.7 | 1196.4 |
| 2014-2015 | 137.6 | 61.82 | 47.76 | 45.11 | 41.47 | 41.1 | 54.35 | 113.2 | 145.8 | 155.1 | 173 | 166.9 | 1183.3 |
| AVERAGE | 138.9 | 63.0 | 48.5 | 42.5 | 41.5 | 41.0 | 53.0 | 117.5 | 145.7 | 162.8 | 176.1 | 165.9 | |

**Table A. 60** Esentepe station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.5 | 89.66 | 52.03 | 42.67 | 44.75 | 49.54 | 77.09 | 95.28 | 121.1 | 140.6 | 146.7 | 134.7 | 1106.6 |
| 1979-1980 | 111.6 | 86.92 | 59.14 | 41.35 | 36.81 | 42.3 | 72.91 | 91.85 | 121.3 | 139 | 148.2 | 140.8 | 1092.2 |
| 1980-1981 | 111 | 88.08 | 58 | 39.61 | 39.48 | 44.36 | 76.41 | 95.17 | 120.1 | 144.3 | 150.4 | 134.9 | 1101.7 |
| 1981-1982 | 113.3 | 91.77 | 53.1 | 44.12 | 42.38 | 41.35 | 71.28 | 95.38 | 124 | 140.1 | 147.1 | 140.4 | 1104.2 |
| 1982-1983 | 115.8 | 88.22 | 52.03 | 37.26 | 35.52 | 41.35 | 72.5 | 94.1 | 125.1 | 138.9 | 150.1 | 137.9 | 1088.8 |
| 1983-1984 | 113.2 | 85.72 | 60.39 | 45.45 | 46.88 | 51.25 | 75.97 | 92.52 | 122.8 | 141 | 148.7 | 139 | 1122.9 |
| 1984-1985 | 107.9 | 85.52 | 52.64 | 38.12 | 43.58 | 41.78 | 73.07 | 95.19 | 126.5 | 140.9 | 150.6 | 141 | 1096.7 |
| 1985-1986 | 113 | 83.71 | 57.06 | 40.72 | 42.04 | 47.29 | 76.39 | 99.17 | 122.5 | 143.4 | 149.4 | 137.3 | 1112.0 |
| 1986-1987 | 113.5 | 84.42 | 49.57 | 38.86 | 34.85 | 48.48 | 68.1 | 90.92 | 119.4 | 137.2 | 152.6 | 141 | 1079.0 |
| 1987-1988 | 112.4 | 83.83 | 53.37 | 38.98 | 40 | 44.72 | 71.2 | 95.43 | 126.4 | 141 | 154.7 | 140.1 | 1102.3 |
| 1988-1989 | 113.8 | 85.77 | 53.56 | 41.88 | 39.65 | 47.13 | 78.21 | 103.7 | 128.6 | 138.8 | 150.4 | 138.6 | 1120.1 |
| 1989-1990 | 113.3 | 88.12 | 56.77 | 40.07 | 38.99 | 46.49 | 73.65 | 94.58 | 122.7 | 139.1 | 147.4 | 137.9 | 1099.0 |
| 1990-1991 | 110.3 | 87.67 | 56.85 | 41.39 | 39.37 | 41.59 | 75.33 | 92.25 | 119.8 | 137.8 | 146 | 135.5 | 1083.9 |
| 1991-1992 | 109.9 | 87.05 | 53.43 | 33.44 | 31.65 | 35.78 | 68.7 | 90.8 | 119.2 | 135 | 144.3 | 138.5 | 1047.8 |
| 1992-1993 | 108.2 | 85.45 | 52.79 | 31.56 | 36.02 | 39.53 | 70.34 | 90.83 | 115.4 | 139.9 | 149.9 | 138.1 | 1058.0 |
| 1993-1994 | 109.7 | 92.32 | 51.21 | 39.96 | 40.7 | 43.71 | 71.91 | 95.7 | 124.1 | 140.6 | 145.8 | 135.9 | 1091.6 |
| 1994-1995 | 117.1 | 88.03 | 47.9 | 30.27 | 36.89 | 47.43 | 76.09 | 93.71 | 124.5 | 142.5 | 150.8 | 139.8 | 1094.9 |
| 1995-1996 | 112.9 | 87.17 | 50.06 | 37.96 | 36.39 | 43.03 | 69.75 | 87.67 | 123.3 | 139.6 | 149.4 | 138.1 | 1075.4 |
| 1996-1997 | 109.3 | 84.95 | 54.59 | 42.24 | 40.54 | 40.09 | 67.85 | 85.04 | 121.8 | 138.4 | 149.9 | 132.9 | 1067.5 |
| 1997-1998 | 108 | 83.55 | 54.06 | 39.11 | 37.57 | 44.17 | 72.35 | 96.11 | 121.1 | 141.2 | 152 | 142.6 | 1091.8 |
| 1998-1999 | 112.1 | 89.46 | 59.82 | 41.7 | 40.55 | 44.47 | 74.29 | 95.68 | 129.9 | 145 | 153.7 | 140.7 | 1127.4 |
| 1999-2000 | 116.2 | 91.3 | 59.29 | 46.48 | 37.64 | 46.27 | 74.19 | 97.29 | 125.6 | 146.4 | 155.5 | 141.7 | 1137.9 |
| 2000-2001 | 115.3 | 85.96 | 58.75 | 40.05 | 41.02 | 45.66 | 80.27 | 95.04 | 125.9 | 140.7 | 149 | 139.1 | 1116.7 |
| 2001-2002 | 112.5 | 86.92 | 53.75 | 37.24 | 33.08 | 44.01 | 72.57 | 89.49 | 119.4 | 140.3 | 150.7 | 139.3 | 1079.2 |
| 2002-2003 | 113.3 | 88.42 | 60.47 | 36.39 | 42.85 | 40.89 | 70.62 | 93.51 | 130.5 | 142.5 | 152.7 | 142.9 | 1115.2 |
| 2003-2004 | 113.3 | 89.84 | 58.25 | 40.54 | 39.58 | 43.62 | 76.17 | 94.27 | 122.2 | 140.7 | 151 | 137.1 | 1106.5 |
| 2004-2005 | 113.6 | 89.97 | 55.93 | 36.31 | 39.89 | 42.43 | 73.93 | 93.8 | 125.6 | 139.9 | 152.1 | 140 | 1103.5 |
| 2005-2006 | 115.9 | 84.24 | 51.65 | 39.89 | 41.71 | 50.04 | 80.84 | 101.8 | 123.9 | 142.6 | 150.4 | 141.4 | 1124.4 |
| 2006-2007 | 115 | 87.45 | 52.08 | 34.91 | 38.86 | 44.91 | 74.65 | 92.39 | 125.7 | 145.6 | 154 | 141.8 | 1107.3 |
| 2007-2008 | 116.7 | 92.94 | 59.18 | 41.16 | 37.71 | 43.91 | 81.2 | 97.85 | 126.4 | 145.3 | 153.2 | 143.4 | 1138.9 |
| 2008-2009 | 113.7 | 85.41 | 59.18 | 41.8 | 39.06 | 46.59 | 74.5 | 95.46 | 123.7 | 143.6 | 151.2 | 139.6 | 1113.8 |
| 2009-2010 | 111.2 | 90.38 | 56.11 | 44.51 | 44.67 | 48.47 | 78.76 | 97.68 | 125.4 | 139.5 | 148.2 | 143.8 | 1128.7 |
| 2010-2011 | 115.7 | 89.7 | 61.54 | 47.11 | 42.52 | 46.86 | 76.02 | 93.93 | 122.2 | 140.1 | 150.1 | 140.7 | 1126.5 |
| 2011-2012 | 115.2 | 85.92 | 51.11 | 40.1 | 39.44 | 43.55 | 72.95 | 96.03 | 122.5 | 142.2 | 153.8 | 142.6 | 1105.4 |
| 2012-2013 | 114.2 | 90 | 59.63 | 43.6 | 41.79 | 49.42 | 78.03 | 98.63 | 128.5 | 140.8 | 149 | 141.7 | 1135.3 |
| 2013-2014 | 113.1 | 84.96 | 60.14 | 38.99 | 45.82 | 48.48 | 78.97 | 95.55 | 121.5 | 139.8 | 146.7 | 138.6 | 1112.5 |
| 2014-2015 | 111.9 | 85.71 | 54.09 | 44.59 | 39.74 | 44.88 | 76.4 | 91.5 | 123.7 | 136.1 | 148.1 | 140.1 | 1096.8 |
| AVERAGE | 112.9 | 87.5 | 55.4 | 40.0 | 39.7 | 44.8 | 74.4 | 94.5 | 123.6 | 140.8 | 150.1 | 139.4 | |

**Table A. 61** Gazimagusa station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 102.3 | 67.7 | 34.6 | 27.7 | 28.4 | 34.0 | 50.1 | 69.0 | 105.4 | 152.4 | 175.5 | 142.6 | 989.6 |
| 1979-1980 | 101.6 | 70.2 | 43.1 | 28.5 | 25.4 | 28.8 | 45.3 | 67.3 | 99.2 | 144.4 | 167.2 | 155.4 | 976.4 |
| 1980-1981 | 97.4 | 67.6 | 41.1 | 28.6 | 27.1 | 30.4 | 51.0 | 70.7 | 94.7 | 149.2 | 181.1 | 156.8 | 995.7 |
| 1981-1982 | 109.6 | 75.0 | 36.0 | 31.4 | 29.0 | 27.7 | 43.3 | 73.6 | 109.4 | 151.4 | 170.2 | 157.6 | 1014.2 |
| 1982-1983 | 115.0 | 72.3 | 37.0 | 27.4 | 25.4 | 29.8 | 47.1 | 67.7 | 108.8 | 137.0 | 179.2 | 155.3 | 1002.0 |
| 1983-1984 | 106.9 | 66.6 | 44.1 | 32.3 | 30.4 | 35.4 | 52.2 | 69.7 | 118.5 | 150.7 | 173.6 | 147.2 | 1027.8 |
| 1984-1985 | 106.6 | 72.2 | 38.9 | 28.1 | 30.8 | 28.7 | 49.9 | 73.8 | 116.6 | 150.4 | 176.8 | 164.6 | 1037.2 |
| 1985-1986 | 110.5 | 64.8 | 43.6 | 30.8 | 30.4 | 34.2 | 52.3 | 81.7 | 103.7 | 150.7 | 171.6 | 154.5 | 1028.8 |
| 1986-1987 | 112.3 | 67.8 | 36.1 | 28.0 | 30.4 | 36.2 | 42.5 | 67.7 | 105.4 | 147.8 | 183.5 | 159.6 | 1017.4 |
| 1987-1988 | 108.4 | 66.5 | 40.0 | 30.3 | 28.5 | 32.0 | 46.8 | 71.4 | 114.0 | 152.6 | 196.3 | 167.3 | 1054.2 |
| 1988-1989 | 109.0 | 68.8 | 36.4 | 28.6 | 25.1 | 30.8 | 50.7 | 83.2 | 122.4 | 147.8 | 181.8 | 153.3 | 1037.7 |
| 1989-1990 | 106.3 | 66.2 | 42.5 | 29.3 | 27.0 | 32.2 | 50.8 | 74.0 | 114.8 | 148.2 | 182.2 | 162.0 | 1035.5 |
| 1990-1991 | 108.1 | 77.1 | 47.8 | 33.3 | 29.2 | 32.3 | 55.1 | 77.9 | 119.3 | 157.0 | 182.2 | 165.2 | 1084.6 |
| 1991-1992 | 111.3 | 75.7 | 41.3 | 27.2 | 25.9 | 26.9 | 46.3 | 71.4 | 107.2 | 150.1 | 175.1 | 165.4 | 1023.9 |
| 1992-1993 | 111.6 | 77.4 | 42.5 | 25.6 | 27.1 | 29.5 | 51.5 | 70.6 | 106.9 | 162.2 | 186.8 | 168.3 | 1060.0 |
| 1993-1994 | 109.4 | 82.6 | 39.9 | 33.0 | 32.0 | 33.6 | 50.8 | 79.7 | 124.8 | 166.0 | 183.4 | 170.8 | 1105.9 |
| 1994-1995 | 126.6 | 85.4 | 41.9 | 28.2 | 30.2 | 35.9 | 55.4 | 72.4 | 121.5 | 165.3 | 193.5 | 166.7 | 1123.0 |
| 1995-1996 | 113.8 | 68.7 | 33.9 | 28.0 | 27.8 | 33.3 | 47.6 | 66.1 | 116.6 | 155.9 | 184.4 | 164.6 | 1040.7 |
| 1996-1997 | 108.6 | 65.5 | 45.3 | 34.3 | 31.2 | 29.2 | 46.8 | 65.9 | 116.1 | 159.5 | 193.5 | 151.3 | 1047.3 |
| 1997-1998 | 105.1 | 69.7 | 43.8 | 30.8 | 28.4 | 34.1 | 47.6 | 78.4 | 115.3 | 162.9 | 195.1 | 180.7 | 1092.0 |
| 1998-1999 | 114.5 | 76.5 | 46.1 | 32.6 | 31.7 | 33.1 | 50.5 | 72.8 | 123.4 | 160.0 | 190.5 | 168.8 | 1100.6 |
| 1999-2000 | 110.7 | 75.8 | 41.6 | 32.6 | 25.0 | 31.5 | 46.4 | 75.6 | 116.3 | 177.8 | 203.2 | 169.2 | 1105.8 |
| 2000-2001 | 106.7 | 67.8 | 40.9 | 29.8 | 29.8 | 31.7 | 55.2 | 75.6 | 115.7 | 155.0 | 178.9 | 161.8 | 1049.0 |
| 2001-2002 | 107.1 | 70.7 | 39.5 | 28.8 | 25.4 | 33.8 | 51.7 | 70.1 | 111.3 | 158.8 | 192.1 | 163.2 | 1052.5 |
| 2002-2003 | 107.0 | 71.0 | 42.5 | 28.6 | 31.4 | 28.7 | 44.6 | 69.5 | 123.6 | 155.1 | 191.6 | 166.7 | 1060.4 |
| 2003-2004 | 106.4 | 71.3 | 41.9 | 31.0 | 27.1 | 30.8 | 50.7 | 73.4 | 111.0 | 156.6 | 191.6 | 163.7 | 1055.3 |
| 2004-2005 | 108.6 | 77.4 | 42.9 | 29.1 | 30.2 | 31.5 | 52.0 | 75.2 | 115.1 | 153.1 | 190.8 | 167.6 | 1073.5 |
| 2005-2006 | 112.6 | 67.7 | 38.2 | 31.3 | 28.6 | 33.3 | 51.4 | 76.9 | 117.9 | 163.6 | 189.2 | 168.2 | 1078.9 |
| 2006-2007 | 118.4 | 73.9 | 37.7 | 29.1 | 27.6 | 33.5 | 50.5 | 70.3 | 120.1 | 167.8 | 195.2 | 171.0 | 1095.1 |
| 2007-2008 | 111.1 | 76.8 | 41.7 | 29.0 | 27.8 | 32.1 | 57.1 | 78.7 | 112.4 | 163.1 | 189.1 | 170.0 | 1089.0 |
| 2008-2009 | 113.1 | 74.7 | 49.8 | 32.7 | 32.0 | 33.7 | 49.4 | 74.0 | 112.3 | 167.4 | 192.4 | 172.3 | 1103.8 |
| 2009-2010 | 112.4 | 83.1 | 45.3 | 34.2 | 34.0 | 37.5 | 58.8 | 81.8 | 123.4 | 151.4 | 176.3 | 177.5 | 1115.8 |
| 2010-2011 | 120.0 | 77.9 | 48.3 | 36.8 | 32.2 | 35.3 | 52.0 | 72.9 | 110.3 | 152.2 | 182.4 | 165.8 | 1086.3 |
| 2011-2012 | 115.2 | 71.8 | 38.6 | 31.0 | 29.2 | 33.1 | 48.0 | 74.4 | 112.1 | 156.5 | 195.3 | 172.7 | 1077.8 |
| 2012-2013 | 113.7 | 77.6 | 48.2 | 33.3 | 30.8 | 36.9 | 55.3 | 78.1 | 124.9 | 156.2 | 180.4 | 167.2 | 1102.5 |
| 2013-2014 | 111.6 | 68.8 | 48.4 | 30.3 | 33.8 | 35.8 | 57.2 | 78.8 | 113.3 | 154.0 | 178.1 | 163.0 | 1073.1 |
| 2014-2015 | 115.3 | 72.8 | 43.0 | 36.2 | 29.9 | 34.8 | 55.5 | 71.3 | 115.8 | 145.6 | 179.3 | 171.7 | 1071.3 |
| AVERAGE | 110.4 | 72.5 | 41.7 | 30.5 | 29.1 | 32.5 | 50.5 | 73.6 | 114.0 | 155.6 | 184.6 | 164.0 | |

**Table A. 62** Gazimagusa station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 119.4 | 76.0 | 32.6 | 22.4 | 21.1 | 29.4 | 37.4 | 58.9 | 94.2 | 169.2 | 192.5 | 166.8 | 1019.7 |
| 1979-1980 | 121.8 | 82.6 | 52.3 | 24.9 | 15.7 | 18.4 | 29.6 | 57.5 | 87.5 | 161.9 | 186.8 | 192.0 | 1031.2 |
| 1980-1981 | 110.4 | 74.9 | 45.9 | 24.0 | 18.2 | 21.1 | 38.6 | 61.2 | 77.1 | 162.1 | 197.5 | 185.8 | 1016.9 |
| 1981-1982 | 123.9 | 83.9 | 33.6 | 29.2 | 21.3 | 14.8 | 23.9 | 63.7 | 94.9 | 158.7 | 175.6 | 179.4 | 1002.9 |
| 1982-1983 | 137.3 | 83.1 | 37.4 | 21.5 | 14.9 | 19.9 | 31.6 | 56.0 | 98.3 | 144.0 | 195.7 | 184.2 | 1024.0 |
| 1983-1984 | 110.5 | 64.9 | 46.3 | 28.6 | 22.0 | 28.4 | 35.9 | 52.1 | 98.9 | 144.4 | 165.1 | 150.9 | 948.1 |
| 1984-1985 | 113.6 | 75.5 | 37.7 | 20.9 | 23.6 | 15.8 | 33.2 | 60.6 | 99.6 | 148.9 | 174.5 | 179.2 | 983.2 |
| 1985-1986 | 115.5 | 62.4 | 45.5 | 25.7 | 22.1 | 26.1 | 36.1 | 71.4 | 80.1 | 144.7 | 163.1 | 160.9 | 953.5 |
| 1986-1987 | 127.1 | 72.0 | 33.8 | 21.8 | 24.0 | 32.6 | 22.5 | 53.1 | 88.9 | 152.6 | 191.6 | 181.2 | 1001.2 |
| 1987-1988 | 113.8 | 65.5 | 39.1 | 24.9 | 18.8 | 21.8 | 27.6 | 55.5 | 94.2 | 148.7 | 193.6 | 178.8 | 982.5 |
| 1988-1989 | 118.5 | 71.4 | 33.2 | 22.2 | 13.4 | 20.1 | 35.0 | 77.3 | 108.8 | 147.4 | 183.1 | 166.6 | 997.0 |
| 1989-1990 | 113.0 | 66.3 | 44.7 | 23.3 | 16.5 | 22.6 | 34.8 | 60.8 | 97.2 | 145.6 | 180.8 | 175.4 | 980.8 |
| 1990-1991 | 100.3 | 72.1 | 47.5 | 27.2 | 17.9 | 19.7 | 36.2 | 58.0 | 89.1 | 135.8 | 156.1 | 154.9 | 914.7 |
| 1991-1992 | 125.9 | 84.9 | 44.5 | 20.1 | 15.2 | 13.2 | 28.8 | 59.6 | 91.6 | 156.2 | 181.4 | 189.6 | 1010.9 |
| 1992-1993 | 117.1 | 81.2 | 43.5 | 15.6 | 16.2 | 16.8 | 35.0 | 53.7 | 84.4 | 160.1 | 181.3 | 178.7 | 983.7 |
| 1993-1994 | 99.5 | 77.3 | 33.5 | 26.1 | 21.9 | 21.4 | 29.2 | 59.0 | 93.1 | 142.4 | 153.4 | 157.2 | 914.0 |
| 1994-1995 | 116.1 | 79.0 | 36.1 | 17.4 | 18.6 | 24.8 | 34.9 | 47.8 | 87.5 | 138.5 | 159.8 | 149.2 | 909.6 |
| 1995-1996 | 126.3 | 71.9 | 28.6 | 21.2 | 18.4 | 25.6 | 30.3 | 49.2 | 102.2 | 160.3 | 188.3 | 183.7 | 1005.9 |
| 1996-1997 | 112.4 | 63.1 | 48.3 | 32.4 | 23.6 | 16.2 | 27.2 | 45.9 | 95.5 | 155.4 | 187.5 | 155.7 | 963.2 |
| 1997-1998 | 100.3 | 64.7 | 42.5 | 23.6 | 17.2 | 23.7 | 26.4 | 60.9 | 87.8 | 148.1 | 175.7 | 178.5 | 949.4 |
| 1998-1999 | 106.0 | 70.1 | 44.0 | 25.5 | 21.6 | 20.7 | 29.0 | 49.8 | 92.2 | 136.7 | 161.7 | 156.1 | 913.5 |
| 1999-2000 | 106.8 | 72.7 | 38.4 | 26.9 | 11.7 | 19.0 | 24.5 | 56.5 | 88.7 | 165.0 | 183.5 | 164.8 | 958.6 |
| 2000-2001 | 109.1 | 66.1 | 39.8 | 23.4 | 20.9 | 20.8 | 40.3 | 60.9 | 94.3 | 148.4 | 169.4 | 167.8 | 961.1 |
| 2001-2002 | 112.4 | 72.1 | 38.3 | 21.9 | 13.4 | 25.6 | 35.6 | 53.6 | 91.1 | 157.6 | 189.5 | 174.3 | 985.4 |
| 2002-2003 | 110.3 | 71.3 | 43.2 | 21.3 | 24.0 | 15.2 | 23.9 | 51.7 | 105.2 | 149.8 | 185.6 | 175.5 | 977.0 |
| 2003-2004 | 109.3 | 71.6 | 42.0 | 25.8 | 16.0 | 19.1 | 33.3 | 57.7 | 88.9 | 151.4 | 185.1 | 171.3 | 971.5 |
| 2004-2005 | 106.5 | 76.4 | 41.6 | 20.9 | 20.6 | 19.4 | 33.5 | 57.2 | 89.2 | 138.9 | 174.4 | 166.7 | 945.4 |
| 2005-2006 | 112.4 | 63.4 | 33.5 | 25.3 | 17.9 | 22.9 | 32.8 | 60.3 | 93.4 | 153.1 | 174.2 | 168.9 | 958.1 |
| 2006-2007 | 117.9 | 71.3 | 32.2 | 20.8 | 16.0 | 23.0 | 31.1 | 49.7 | 94.7 | 156.1 | 178.2 | 169.8 | 960.9 |
| 2007-2008 | 107.1 | 74.0 | 38.6 | 20.2 | 16.0 | 19.9 | 40.5 | 61.0 | 84.0 | 147.6 | 168.5 | 165.6 | 943.0 |
| 2008-2009 | 103.5 | 67.2 | 49.5 | 25.4 | 21.8 | 21.5 | 27.2 | 51.0 | 79.0 | 143.7 | 162.1 | 158.4 | 910.6 |
| 2009-2010 | 96.1 | 72.8 | 39.5 | 26.3 | 23.6 | 26.3 | 37.8 | 57.6 | 85.4 | 117.2 | 136.2 | 153.0 | 871.6 |
| 2010-2011 | 110.7 | 71.0 | 46.9 | 32.5 | 22.1 | 24.3 | 30.7 | 49.2 | 76.4 | 126.0 | 151.4 | 150.7 | 891.9 |
| 2011-2012 | 116.0 | 69.5 | 34.4 | 24.8 | 19.1 | 22.6 | 27.8 | 56.8 | 86.6 | 144.9 | 181.5 | 174.9 | 958.7 |
| 2012-2013 | 101.4 | 69.1 | 45.7 | 25.9 | 19.4 | 26.5 | 34.6 | 55.0 | 90.5 | 127.6 | 146.1 | 148.8 | 890.6 |
| 2013-2014 | 104.9 | 61.4 | 48.8 | 22.0 | 25.6 | 26.1 | 39.5 | 59.4 | 82.7 | 132.8 | 152.5 | 153.1 | 908.9 |
| 2014-2015 | 110.8 | 67.8 | 40.3 | 33.2 | 19.4 | 24.6 | 37.6 | 49.6 | 86.9 | 124.9 | 156.2 | 165.4 | 916.6 |
| AVERAGE | 112.5 | 71.9 | 40.6 | 24.2 | 19.2 | 21.9 | 32.3 | 56.7 | 90.8 | 147.2 | 174.0 | 168.5 | |

**Table A. 63** Gazimagusa station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 178.6 | 168.9 | 135.5 | 130.7 | 128.8 | 120.7 | 137.5 | 142.9 | 164.2 | 180.7 | 196.6 | 191.5 | 1876.6 |
| 1979-1980 | 178.1 | 171.5 | 150.4 | 132.8 | 121.2 | 110.3 | 130.4 | 141.1 | 159.9 | 177 | 193.2 | 197.5 | 1863.3 |
| 1980-1981 | 175.2 | 168.8 | 147.1 | 132.9 | 125.7 | 113.9 | 138.7 | 144.5 | 156.5 | 179.2 | 198.8 | 198.1 | 1879.4 |
| 1981-1982 | 183.2 | 176 | 138.1 | 139.7 | 130.5 | 107.9 | 127.4 | 147.3 | 166.8 | 180.2 | 194.4 | 198.5 | 1890.1 |
| 1982-1983 | 186.6 | 173.6 | 140.1 | 129.9 | 121 | 112.5 | 133.1 | 141.5 | 166.3 | 173.4 | 198.1 | 197.5 | 1873.4 |
| 1983-1984 | 181.6 | 167.7 | 152 | 141.7 | 133.8 | 123.6 | 140.3 | 143.5 | 172.4 | 180 | 195.9 | 193.7 | 1926.1 |
| 1984-1985 | 181.4 | 173.4 | 143.4 | 131.7 | 134.7 | 110 | 137.2 | 147.4 | 171.3 | 179.8 | 197.1 | 201.6 | 1909.0 |
| 1985-1986 | 183.8 | 165.8 | 151.2 | 138.3 | 133.7 | 121.2 | 140.5 | 154.4 | 163.1 | 179.9 | 195 | 197.1 | 1924.0 |
| 1986-1987 | 185 | 169 | 138.4 | 131.6 | 133.8 | 124.8 | 125.9 | 141.6 | 164.2 | 178.6 | 199.7 | 199.4 | 1891.8 |
| 1987-1988 | 182.6 | 167.6 | 145.4 | 137.2 | 129.2 | 116.9 | 132.7 | 145.2 | 169.7 | 180.8 | 204.5 | 202.7 | 1914.4 |
| 1988-1989 | 182.9 | 170.1 | 138.8 | 132.9 | 120.4 | 114.5 | 138.3 | 155.6 | 174.7 | 178.6 | 199.1 | 196.5 | 1902.2 |
| 1989-1990 | 181.2 | 167.3 | 149.5 | 134.6 | 125.4 | 117.3 | 138.5 | 147.6 | 170.2 | 178.7 | 199.3 | 200.4 | 1910.1 |
| 1990-1991 | 182.4 | 178.1 | 157.5 | 143.6 | 130.9 | 117.5 | 144.2 | 151.2 | 172.9 | 182.7 | 199.2 | 201.8 | 1962.0 |
| 1991-1992 | 184.3 | 176.8 | 147.6 | 129.4 | 122.4 | 105.9 | 131.9 | 145.2 | 165.4 | 179.6 | 196.5 | 201.9 | 1886.9 |
| 1992-1993 | 184.5 | 178.3 | 149.5 | 125.2 | 125.5 | 111.8 | 139.5 | 144.4 | 165.2 | 184.9 | 201 | 203.1 | 1913.0 |
| 1993-1994 | 183.1 | 182.9 | 145.1 | 143.1 | 137.3 | 120 | 138.5 | 152.7 | 176.1 | 186.5 | 199.7 | 204.2 | 1969.1 |
| 1994-1995 | 193.1 | 185.2 | 148.5 | 132 | 133.2 | 124.2 | 144.5 | 146.2 | 174.2 | 186.2 | 203.5 | 202.4 | 1973.5 |
| 1995-1996 | 185.8 | 169.9 | 134.1 | 131.4 | 127.5 | 119.5 | 133.9 | 139.9 | 171.3 | 182.2 | 200.1 | 201.6 | 1897.2 |
| 1996-1997 | 182.7 | 166.6 | 153.8 | 145.8 | 135.7 | 111.2 | 132.7 | 139.7 | 171 | 183.8 | 203.5 | 195.6 | 1922.0 |
| 1997-1998 | 180.4 | 171 | 151.6 | 138.2 | 129 | 120.9 | 133.9 | 151.6 | 170.5 | 185.2 | 204 | 208.1 | 1944.6 |
| 1998-1999 | 186.3 | 177.5 | 155.1 | 142.1 | 136.8 | 119.1 | 138 | 146.6 | 175.3 | 184 | 202.4 | 203.4 | 1966.5 |
| 1999-2000 | 184 | 176.8 | 148 | 142.3 | 120.1 | 116 | 132 | 149.1 | 171.1 | 191.2 | 206.9 | 203.5 | 1941.0 |
| 2000-2001 | 181.5 | 169.1 | 146.9 | 136 | 132.4 | 116.4 | 144.3 | 149.1 | 170.7 | 181.8 | 197.9 | 200.4 | 1926.4 |
| 2001-2002 | 181.7 | 172 | 144.5 | 133.4 | 121 | 120.5 | 139.7 | 144 | 168 | 183.5 | 203 | 201 | 1912.2 |
| 2002-2003 | 181.6 | 172.2 | 149.5 | 133.1 | 136.1 | 110 | 129.4 | 143.4 | 175.4 | 181.9 | 202.8 | 202.5 | 1917.9 |
| 2003-2004 | 181.3 | 172.5 | 148.5 | 138.7 | 125.5 | 114.6 | 138.3 | 147.1 | 167.8 | 182.5 | 202.8 | 201.2 | 1920.7 |
| 2004-2005 | 182.7 | 178.3 | 150.1 | 134.2 | 133.4 | 116 | 140 | 148.7 | 170.4 | 181 | 202.5 | 202.8 | 1940.1 |
| 2005-2006 | 185.1 | 168.8 | 142.2 | 139.4 | 129.4 | 119.5 | 139.2 | 150.2 | 172.1 | 185.5 | 201.9 | 203.1 | 1936.5 |
| 2006-2007 | 188.6 | 175.1 | 141.3 | 134.2 | 126.9 | 119.9 | 138 | 144.2 | 173.4 | 187.2 | 204.1 | 204.2 | 1937.1 |
| 2007-2008 | 184.2 | 177.8 | 148.3 | 133.9 | 127.4 | 117.1 | 146.7 | 151.8 | 168.7 | 185.3 | 201.9 | 203.9 | 1946.9 |
| 2008-2009 | 185.4 | 175.8 | 160.3 | 142.3 | 137.3 | 120.3 | 136.5 | 147.7 | 168.6 | 187.1 | 203.1 | 204.8 | 1969.2 |
| 2009-2010 | 185 | 183.3 | 153.8 | 145.6 | 141.7 | 127 | 148.8 | 154.5 | 175.3 | 180.2 | 196.9 | 206.9 | 1999.0 |
| 2010-2011 | 189.5 | 178.8 | 158.2 | 150.7 | 137.8 | 123.3 | 140.1 | 146.6 | 167.4 | 180.6 | 199.3 | 202.1 | 1974.5 |
| 2011-2012 | 186.7 | 173 | 143 | 138.6 | 130.9 | 119.1 | 134.4 | 148 | 168.5 | 182.5 | 204.1 | 204.9 | 1933.8 |
| 2012-2013 | 185.8 | 178.5 | 158 | 143.8 | 134.7 | 126.1 | 144.4 | 151.3 | 176.1 | 182.4 | 198.6 | 202.6 | 1982.1 |
| 2013-2014 | 184.5 | 170 | 158.4 | 137.1 | 141.3 | 124.1 | 146.8 | 151.9 | 169.3 | 181.4 | 197.6 | 200.9 | 1963.3 |
| 2014-2015 | 186.7 | 174.1 | 150.3 | 149.6 | 132.6 | 122.2 | 144.7 | 145.1 | 170.8 | 177.6 | 198.1 | 204.5 | 1956.5 |
| AVERAGE | 183.7 | 173.6 | 147.9 | 137.2 | 130.4 | 117.7 | 137.9 | 147.1 | 169.6 | 182.0 | 200.1 | 201.2 | |

**Table A. 64** Gazimagusa station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 137.3 | 62.45 | 45.63 | 41.81 | 42.41 | 43.18 | 54.06 | 116.2 | 143.3 | 163.3 | 174.7 | 160.1 | 1184.5 |
| 1979-1980 | 136.9 | 63.39 | 50.65 | 42.46 | 39.88 | 39.43 | 51.26 | 114.8 | 139.6 | 160 | 171.7 | 165.2 | 1175.2 |
| 1980-1981 | 134.7 | 62.4 | 49.56 | 42.51 | 41.31 | 40.67 | 54.56 | 117.6 | 136.7 | 162 | 176.7 | 165.7 | 1184.4 |
| 1981-1982 | 140.9 | 65.12 | 46.5 | 44.66 | 42.92 | 38.56 | 50.04 | 119.8 | 145.5 | 162.9 | 172.8 | 166 | 1195.8 |
| 1982-1983 | 143.4 | 64.16 | 47.18 | 41.54 | 39.82 | 40.24 | 52.32 | 115.2 | 145.2 | 156.7 | 176.1 | 165.1 | 1187.0 |
| 1983-1984 | 139.6 | 62.01 | 51.19 | 45.3 | 43.99 | 44.16 | 55.21 | 116.8 | 150.5 | 162.6 | 174.1 | 162 | 1207.5 |
| 1984-1985 | 139.4 | 64.11 | 48.3 | 42.13 | 44.33 | 39.35 | 53.94 | 120 | 149.5 | 162.5 | 175.2 | 168.6 | 1207.2 |
| 1985-1986 | 141.3 | 61.3 | 50.94 | 44.23 | 44 | 43.37 | 55.24 | 125.6 | 142.3 | 162.6 | 173.3 | 164.9 | 1209.0 |
| 1986-1987 | 142.2 | 62.48 | 46.6 | 42.07 | 44.05 | 44.64 | 49.52 | 115.2 | 143.3 | 161.4 | 177.5 | 166.8 | 1195.7 |
| 1987-1988 | 140.3 | 61.98 | 48.97 | 43.86 | 42.51 | 41.83 | 52.17 | 118.1 | 148.1 | 163.4 | 181.8 | 169.5 | 1212.5 |
| 1988-1989 | 140.6 | 62.89 | 46.75 | 42.49 | 39.62 | 40.94 | 54.37 | 126.6 | 152.5 | 161.4 | 176.9 | 164.4 | 1209.4 |
| 1989-1990 | 139.3 | 61.87 | 50.35 | 43.05 | 41.27 | 41.94 | 54.47 | 120.1 | 148.6 | 161.5 | 177.1 | 167.6 | 1207.2 |
| 1990-1991 | 140.1 | 65.84 | 53.03 | 45.93 | 43.1 | 42.04 | 56.71 | 123 | 150.9 | 165.1 | 177.1 | 168.8 | 1231.7 |
| 1991-1992 | 141.7 | 65.37 | 49.7 | 41.39 | 40.28 | 37.88 | 51.88 | 118.1 | 144.3 | 162.3 | 174.6 | 168.9 | 1196.4 |
| 1992-1993 | 141.8 | 65.94 | 50.35 | 40.03 | 41.31 | 39.97 | 54.85 | 117.5 | 144.2 | 167.1 | 178.7 | 169.9 | 1211.6 |
| 1993-1994 | 140.8 | 67.64 | 48.87 | 45.76 | 45.18 | 42.93 | 54.45 | 124.2 | 153.7 | 168.5 | 177.5 | 170.8 | 1240.3 |
| 1994-1995 | 148.4 | 68.49 | 50.03 | 42.21 | 43.86 | 44.43 | 56.84 | 118.9 | 152 | 168.3 | 180.9 | 169.3 | 1243.7 |
| 1995-1996 | 142.8 | 62.84 | 45.14 | 42.02 | 41.95 | 42.73 | 52.67 | 113.8 | 149.5 | 164.7 | 177.8 | 168.6 | 1204.6 |
| 1996-1997 | 140.4 | 61.59 | 51.79 | 46.61 | 44.65 | 39.77 | 52.19 | 113.7 | 149.2 | 166.1 | 180.9 | 163.6 | 1210.5 |
| 1997-1998 | 138.7 | 63.23 | 51.05 | 44.18 | 42.48 | 43.26 | 52.67 | 123.3 | 148.8 | 167.4 | 181.4 | 174.1 | 1230.5 |
| 1998-1999 | 143.2 | 65.62 | 52.22 | 45.45 | 45.02 | 42.61 | 54.28 | 119.2 | 153 | 166.3 | 179.9 | 170.1 | 1236.8 |
| 1999-2000 | 141.4 | 65.39 | 49.83 | 45.5 | 39.53 | 41.51 | 51.91 | 121.3 | 149.4 | 172.8 | 183.9 | 170.2 | 1232.6 |
| 2000-2001 | 139.5 | 62.5 | 49.46 | 43.48 | 43.59 | 41.63 | 56.74 | 121.3 | 149 | 164.3 | 175.9 | 167.6 | 1215.0 |
| 2001-2002 | 139.7 | 63.58 | 48.67 | 42.66 | 39.83 | 43.09 | 54.92 | 117.1 | 146.7 | 165.8 | 180.4 | 168.1 | 1210.5 |
| 2002-2003 | 139.6 | 63.68 | 50.35 | 42.56 | 44.81 | 39.33 | 50.86 | 116.7 | 153.1 | 164.4 | 180.2 | 169.3 | 1214.9 |
| 2003-2004 | 139.3 | 63.79 | 50.03 | 44.35 | 41.31 | 40.97 | 54.37 | 119.6 | 146.5 | 164.9 | 180.2 | 168.3 | 1213.7 |
| 2004-2005 | 140.4 | 65.92 | 50.55 | 42.91 | 43.9 | 41.51 | 55.07 | 121 | 148.7 | 163.6 | 180 | 169.6 | 1223.1 |
| 2005-2006 | 142.3 | 62.43 | 47.89 | 44.57 | 42.58 | 42.73 | 54.75 | 122.2 | 150.2 | 167.7 | 179.5 | 169.9 | 1226.7 |
| 2006-2007 | 144.9 | 64.74 | 47.59 | 42.9 | 41.76 | 42.9 | 54.28 | 117.3 | 151.3 | 169.2 | 181.4 | 170.8 | 1229.1 |
| 2007-2008 | 141.6 | 65.75 | 49.93 | 42.81 | 41.93 | 41.89 | 57.7 | 123.5 | 147.3 | 167.5 | 179.4 | 170.5 | 1229.7 |
| 2008-2009 | 142.5 | 65 | 53.97 | 45.52 | 45.2 | 43.02 | 53.68 | 120.1 | 147.2 | 169.1 | 180.5 | 171.3 | 1237.1 |
| 2009-2010 | 142.2 | 67.78 | 51.78 | 46.56 | 46.65 | 45.41 | 58.51 | 125.7 | 153 | 162.9 | 175 | 173 | 1248.5 |
| 2010-2011 | 145.6 | 66.12 | 53.26 | 48.19 | 45.37 | 44.09 | 55.09 | 119.3 | 146.1 | 163.2 | 177.2 | 169 | 1232.6 |
| 2011-2012 | 143.5 | 63.97 | 48.15 | 44.34 | 43.1 | 42.61 | 52.86 | 120.4 | 147.1 | 164.9 | 181.5 | 171.4 | 1223.7 |
| 2012-2013 | 142.8 | 65.99 | 53.22 | 45.97 | 44.33 | 45.09 | 56.81 | 123.1 | 153.7 | 164.8 | 176.5 | 169.5 | 1241.7 |
| 2013-2014 | 141.8 | 62.87 | 53.34 | 43.83 | 46.51 | 44.4 | 57.74 | 123.6 | 147.7 | 163.9 | 175.7 | 168 | 1229.4 |
| 2014-2015 | 143.5 | 64.36 | 50.61 | 47.86 | 43.66 | 43.72 | 56.91 | 118.1 | 149.1 | 160.5 | 176.1 | 171.1 | 1225.4 |
| AVERAGE | 141.2 | 64.2 | 49.8 | 43.9 | 42.9 | 42.1 | 54.2 | 119.7 | 148.0 | 164.5 | 177.8 | 168.3 | |

**Table A. 65** Gazimagusa station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 119.7 | 92.83 | 54.49 | 41.97 | 44.9 | 52.31 | 82.9 | 101.9 | 132.5 | 152.5 | 160.7 | 145.8 | 1182.5 |
| 1979-1980 | 119.5 | 94.25 | 62.86 | 43.12 | 40.59 | 46.43 | 78.92 | 101 | 130.1 | 150.4 | 158.7 | 149.2 | 1175.0 |
| 1980-1981 | 117.9 | 92.75 | 61.03 | 43.2 | 43.12 | 48.45 | 83.61 | 102.9 | 128.2 | 151.6 | 161.9 | 149.5 | 1184.1 |
| 1981-1982 | 122.4 | 96.81 | 55.95 | 46.97 | 45.84 | 45.11 | 77.28 | 104.4 | 133.9 | 152.2 | 159.5 | 149.7 | 1190.1 |
| 1982-1983 | 124.2 | 95.43 | 57.09 | 41.5 | 40.5 | 47.67 | 80.43 | 101.2 | 133.7 | 148.4 | 161.5 | 149.2 | 1180.7 |
| 1983-1984 | 121.4 | 92.15 | 63.77 | 48.11 | 47.67 | 53.9 | 84.51 | 102.3 | 137.1 | 152.1 | 160.3 | 147 | 1210.3 |
| 1984-1985 | 121.3 | 95.34 | 58.95 | 42.53 | 48.18 | 46.3 | 82.74 | 104.5 | 136.5 | 152 | 161 | 151.5 | 1200.7 |
| 1985-1986 | 122.7 | 91.08 | 63.33 | 46.21 | 47.61 | 52.58 | 84.6 | 108.4 | 131.9 | 152 | 159.8 | 149 | 1209.1 |
| 1986-1987 | 123.3 | 92.86 | 56.1 | 42.43 | 47.7 | 54.59 | 76.43 | 101.2 | 132.5 | 151.3 | 162.4 | 150.2 | 1191.1 |
| 1987-1988 | 122 | 92.11 | 60.07 | 45.57 | 45.08 | 50.18 | 80.21 | 103.3 | 135.6 | 152.5 | 165.1 | 152.1 | 1203.7 |
| 1988-1989 | 122.2 | 93.48 | 56.37 | 43.16 | 40.15 | 48.78 | 83.36 | 109.1 | 138.4 | 151.3 | 162.1 | 148.6 | 1196.9 |
| 1989-1990 | 121.2 | 91.93 | 62.37 | 44.16 | 42.96 | 50.36 | 83.5 | 104.6 | 135.9 | 151.4 | 162.2 | 150.8 | 1201.3 |
| 1990-1991 | 121.9 | 97.97 | 66.83 | 49.19 | 46.08 | 50.51 | 86.68 | 106.6 | 137.4 | 153.6 | 162.1 | 151.6 | 1230.4 |
| 1991-1992 | 123 | 97.25 | 61.28 | 41.24 | 41.26 | 44 | 79.81 | 103.2 | 133.1 | 151.9 | 160.6 | 151.6 | 1188.3 |
| 1992-1993 | 123.1 | 98.12 | 62.37 | 38.87 | 43.04 | 47.27 | 84.04 | 102.8 | 133.1 | 154.8 | 163.1 | 152.3 | 1202.9 |
| 1993-1994 | 122.3 | 100.7 | 59.89 | 48.91 | 49.63 | 51.9 | 83.46 | 107.4 | 139.1 | 155.7 | 162.4 | 152.9 | 1234.4 |
| 1994-1995 | 127.9 | 102 | 61.81 | 42.67 | 47.37 | 54.25 | 86.87 | 103.8 | 138.1 | 155.6 | 164.5 | 151.9 | 1236.9 |
| 1995-1996 | 123.8 | 93.4 | 53.69 | 42.34 | 44.12 | 51.59 | 80.92 | 100.3 | 136.5 | 153.3 | 162.6 | 151.4 | 1194.1 |
| 1996-1997 | 122.1 | 91.52 | 64.75 | 50.4 | 48.73 | 46.96 | 80.25 | 100.2 | 136.3 | 154.2 | 164.5 | 148.1 | 1208.0 |
| 1997-1998 | 120.8 | 93.99 | 63.53 | 46.15 | 45.02 | 52.42 | 80.93 | 106.8 | 136 | 155 | 164.8 | 155.1 | 1220.6 |
| 1998-1999 | 124.1 | 97.64 | 65.48 | 48.36 | 49.35 | 51.39 | 83.22 | 104 | 138.7 | 154.3 | 163.9 | 152.5 | 1233.0 |
| 1999-2000 | 122.8 | 97.27 | 61.5 | 48.44 | 40.01 | 49.66 | 79.84 | 105.4 | 136.4 | 158.3 | 166.5 | 152.5 | 1218.7 |
| 2000-2001 | 121.4 | 92.9 | 60.88 | 44.91 | 46.91 | 49.87 | 86.73 | 105.4 | 136.2 | 153.1 | 161.4 | 150.8 | 1210.5 |
| 2001-2002 | 121.5 | 94.53 | 59.56 | 43.47 | 40.51 | 52.16 | 84.14 | 102.5 | 134.6 | 154 | 164.2 | 151.1 | 1202.5 |
| 2002-2003 | 121.5 | 94.69 | 62.37 | 43.3 | 49 | 46.27 | 78.35 | 102.2 | 138.8 | 153.1 | 164.2 | 152 | 1205.7 |
| 2003-2004 | 121.3 | 94.86 | 61.82 | 46.44 | 43.03 | 48.83 | 83.35 | 104.3 | 134.5 | 153.5 | 164.1 | 151.2 | 1207.3 |
| 2004-2005 | 122 | 98.09 | 62.71 | 43.91 | 47.45 | 49.66 | 84.35 | 105.2 | 136 | 152.6 | 164 | 152.2 | 1218.2 |
| 2005-2006 | 123.4 | 92.79 | 58.27 | 46.83 | 45.2 | 51.61 | 83.88 | 106.1 | 136.9 | 155.2 | 163.6 | 152.3 | 1216.1 |
| 2006-2007 | 125.4 | 96.31 | 57.76 | 43.89 | 43.8 | 51.86 | 83.23 | 102.7 | 137.6 | 156.2 | 164.9 | 153 | 1216.5 |
| 2007-2008 | 122.9 | 97.82 | 61.66 | 43.73 | 44.08 | 50.26 | 88.1 | 107 | 135 | 155.1 | 163.6 | 152.7 | 1222.0 |
| 2008-2009 | 123.6 | 96.7 | 68.39 | 48.48 | 49.65 | 52.04 | 82.37 | 104.6 | 135 | 156.1 | 164.3 | 153.3 | 1234.5 |
| 2009-2010 | 123.4 | 100.9 | 64.74 | 50.31 | 52.13 | 55.79 | 89.25 | 108.5 | 138.7 | 152.2 | 160.9 | 154.4 | 1251.2 |
| 2010-2011 | 125.9 | 98.39 | 67.21 | 53.17 | 49.94 | 53.72 | 84.39 | 104 | 134.3 | 152.4 | 162.2 | 151.8 | 1237.4 |
| 2011-2012 | 124.3 | 95.13 | 58.69 | 46.4 | 46.08 | 51.4 | 81.19 | 104.8 | 134.9 | 153.5 | 164.9 | 153.3 | 1214.6 |
| 2012-2013 | 123.8 | 98.19 | 67.12 | 49.27 | 48.18 | 55.29 | 86.82 | 106.6 | 139.2 | 153.4 | 161.8 | 152.1 | 1241.7 |
| 2013-2014 | 123.1 | 93.46 | 67.34 | 45.53 | 51.89 | 54.2 | 88.16 | 107 | 135.3 | 152.9 | 161.3 | 151.1 | 1231.2 |
| 2014-2015 | 124.3 | 95.71 | 62.8 | 52.57 | 47.03 | 53.15 | 86.99 | 103.2 | 136.2 | 150.7 | 161.5 | 153.1 | 1227.3 |
| AVERAGE | 122.6 | 95.4 | 61.5 | 45.6 | 45.8 | 50.6 | 83.1 | 104.3 | 135.5 | 153.2 | 162.6 | 151.3 | |

**Table A. 66** Gaziveren station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 92.4 | 67.1 | 36.1 | 29.5 | 28.0 | 33.6 | 49.2 | 69.6 | 102.2 | 148.9 | 164.9 | 137.3 | 958.7 |
| 1979-1980 | 101.8 | 67.6 | 42.2 | 26.8 | 24.3 | 28.5 | 43.6 | 63.7 | 100.4 | 141.7 | 161.6 | 151.5 | 953.8 |
| 1980-1981 | 94.0 | 66.5 | 39.9 | 28.5 | 25.8 | 28.7 | 48.1 | 67.3 | 91.6 | 143.0 | 164.1 | 144.2 | 941.6 |
| 1981-1982 | 90.0 | 70.3 | 34.7 | 30.0 | 27.5 | 27.3 | 42.2 | 69.2 | 102.6 | 136.7 | 155.4 | 145.0 | 930.9 |
| 1982-1983 | 103.1 | 67.8 | 34.3 | 26.5 | 23.2 | 27.0 | 43.1 | 66.7 | 107.5 | 131.5 | 160.3 | 137.9 | 928.9 |
| 1983-1984 | 93.4 | 72.6 | 46.6 | 32.4 | 27.9 | 31.4 | 46.4 | 64.3 | 104.3 | 135.8 | 161.9 | 138.3 | 955.4 |
| 1984-1985 | 98.1 | 65.4 | 35.5 | 25.5 | 27.7 | 26.7 | 45.3 | 70.2 | 117.2 | 143.7 | 168.8 | 153.2 | 977.3 |
| 1985-1986 | 102.6 | 59.5 | 40.7 | 27.8 | 26.8 | 32.3 | 49.4 | 80.1 | 102.0 | 144.7 | 163.7 | 145.8 | 975.2 |
| 1986-1987 | 107.6 | 64.3 | 32.9 | 26.4 | 27.7 | 32.2 | 39.6 | 64.2 | 99.0 | 142.0 | 176.2 | 150.2 | 962.4 |
| 1987-1988 | 103.4 | 61.4 | 36.0 | 26.9 | 26.0 | 29.4 | 44.6 | 70.1 | 113.2 | 149.1 | 189.0 | 153.7 | 1003.0 |
| 1988-1989 | 105.5 | 63.1 | 32.4 | 26.0 | 21.9 | 27.4 | 47.0 | 78.3 | 112.9 | 139.4 | 172.2 | 148.4 | 974.6 |
| 1989-1990 | 97.0 | 58.9 | 38.1 | 27.7 | 23.4 | 28.7 | 45.7 | 68.6 | 102.1 | 138.4 | 166.8 | 144.2 | 939.7 |
| 1990-1991 | 96.6 | 65.6 | 39.7 | 28.4 | 25.5 | 29.0 | 49.8 | 72.1 | 99.2 | 140.3 | 156.2 | 142.1 | 944.5 |
| 1991-1992 | 96.1 | 66.7 | 37.1 | 24.8 | 23.2 | 24.1 | 40.4 | 63.5 | 100.1 | 134.1 | 154.8 | 151.5 | 916.5 |
| 1992-1993 | 92.2 | 64.4 | 37.3 | 22.8 | 24.2 | 26.5 | 43.0 | 64.7 | 95.2 | 145.5 | 165.2 | 144.2 | 925.2 |
| 1993-1994 | 90.1 | 69.8 | 34.4 | 27.9 | 28.5 | 29.9 | 44.9 | 73.9 | 109.1 | 141.9 | 163.8 | 154.9 | 969.4 |
| 1994-1995 | 109.3 | 72.6 | 35.4 | 25.2 | 27.2 | 30.1 | 48.1 | 66.2 | 105.8 | 157.0 | 172.9 | 148.3 | 998.2 |
| 1995-1996 | 98.5 | 61.4 | 31.6 | 25.0 | 24.1 | 30.4 | 44.5 | 63.4 | 117.9 | 150.5 | 172.8 | 138.2 | 958.2 |
| 1996-1997 | 98.5 | 59.0 | 39.3 | 29.7 | 27.4 | 27.5 | 42.9 | 62.2 | 109.8 | 151.3 | 184.4 | 142.4 | 974.3 |
| 1997-1998 | 96.0 | 63.5 | 38.1 | 27.9 | 25.6 | 29.4 | 43.8 | 73.5 | 105.1 | 145.2 | 186.1 | 169.8 | 1004.0 |
| 1998-1999 | 104.2 | 70.6 | 41.9 | 29.1 | 27.7 | 30.2 | 46.5 | 68.1 | 115.6 | 155.3 | 179.5 | 156.9 | 1025.5 |
| 1999-2000 | 102.4 | 68.5 | 37.9 | 29.7 | 22.5 | 27.7 | 43.4 | 71.2 | 106.5 | 157.2 | 187.6 | 152.6 | 1007.3 |
| 2000-2001 | 102.4 | 62.9 | 38.6 | 27.4 | 27.2 | 30.2 | 54.0 | 72.8 | 114.3 | 145.0 | 174.9 | 153.8 | 1003.3 |
| 2001-2002 | 101.1 | 65.8 | 36.3 | 27.0 | 23.5 | 32.0 | 49.7 | 66.4 | 103.1 | 146.4 | 179.2 | 149.0 | 979.5 |
| 2002-2003 | 97.8 | 66.4 | 40.1 | 25.7 | 28.7 | 27.5 | 41.6 | 66.5 | 125.2 | 154.8 | 185.1 | 162.1 | 1021.3 |
| 2003-2004 | 101.5 | 68.3 | 38.5 | 27.8 | 25.3 | 29.9 | 48.9 | 69.0 | 105.1 | 148.1 | 175.5 | 147.2 | 985.0 |
| 2004-2005 | 100.0 | 71.3 | 37.9 | 25.7 | 26.8 | 28.4 | 48.9 | 72.9 | 109.1 | 143.5 | 174.9 | 153.9 | 993.2 |
| 2005-2006 | 103.7 | 61.7 | 35.0 | 28.3 | 25.4 | 30.0 | 47.6 | 73.5 | 109.9 | 149.3 | 176.3 | 158.2 | 999.0 |
| 2006-2007 | 109.9 | 67.9 | 34.9 | 25.4 | 19.5 | 24.0 | 35.0 | 46.6 | 87.3 | 108.5 | 125.1 | 115.5 | 799.6 |
| 2007-2008 | 72.5 | 52.4 | 30.6 | 21.3 | 23.7 | 28.0 | 56.0 | 74.8 | 107.5 | 159.6 | 182.8 | 165.6 | 974.9 |
| 2008-2009 | 105.2 | 65.9 | 42.1 | 28.5 | 28.1 | 30.7 | 45.1 | 68.8 | 104.3 | 153.8 | 182.2 | 154.6 | 1009.1 |
| 2009-2010 | 100.3 | 71.9 | 37.9 | 29.9 | 28.8 | 32.5 | 49.8 | 71.5 | 108.8 | 144.2 | 166.7 | 169.4 | 1011.5 |
| 2010-2011 | 108.4 | 69.2 | 42.7 | 31.4 | 27.3 | 30.2 | 46.7 | 68.0 | 104.7 | 148.3 | 175.5 | 154.4 | 1006.8 |
| 2011-2012 | 106.7 | 62.7 | 32.8 | 26.4 | 25.0 | 27.6 | 43.1 | 68.2 | 106.3 | 152.1 | 189.2 | 163.3 | 1003.3 |
| 2012-2013 | 103.6 | 69.1 | 40.9 | 28.8 | 26.4 | 32.3 | 49.5 | 72.8 | 118.7 | 147.4 | 171.2 | 156.4 | 1017.1 |
| 2013-2014 | 101.4 | 59.2 | 41.2 | 25.7 | 29.2 | 32.3 | 51.6 | 72.9 | 109.4 | 146.7 | 170.6 | 159.2 | 999.3 |
| 2014-2015 | 105.3 | 65.2 | 37.1 | 30.7 | 25.9 | 29.3 | 49.6 | 64.7 | 109.1 | 136.5 | 170.2 | 161.9 | 985.5 |
| AVERAGE | 99.8 | 65.6 | 37.5 | 27.4 | 25.9 | 29.3 | 46.2 | 68.7 | 106.5 | 144.8 | 171.0 | 150.7 | |

**Table A. 67** Gaziveren station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 104.5 | 75.1 | 35.6 | 26.0 | 20.5 | 28.6 | 35.3 | 57.8 | 84.2 | 149.3 | 156.0 | 131.4 | 904.3 |
| 1979-1980 | 124.3 | 79.1 | 49.9 | 21.4 | 14.3 | 18.7 | 27.2 | 50.4 | 85.4 | 146.2 | 158.9 | 153.4 | 929.3 |
| 1980-1981 | 113.2 | 78.2 | 45.8 | 25.3 | 17.3 | 19.4 | 35.3 | 57.2 | 74.0 | 150.0 | 163.9 | 146.9 | 926.6 |
| 1981-1982 | 109.8 | 87.4 | 35.6 | 29.4 | 21.3 | 16.9 | 26.0 | 62.4 | 92.1 | 145.2 | 158.0 | 151.9 | 935.8 |
| 1982-1983 | 136.7 | 85.8 | 35.9 | 22.4 | 13.0 | 16.9 | 28.6 | 60.1 | 102.6 | 142.8 | 170.0 | 148.4 | 963.3 |
| 1983-1984 | 103.0 | 81.6 | 54.8 | 31.0 | 19.7 | 23.2 | 29.8 | 47.6 | 84.3 | 128.0 | 148.1 | 128.6 | 879.6 |
| 1984-1985 | 115.1 | 73.3 | 34.9 | 18.2 | 20.2 | 14.5 | 29.2 | 59.7 | 105.0 | 144.7 | 162.8 | 151.1 | 928.9 |
| 1985-1986 | 116.4 | 60.2 | 43.4 | 21.8 | 17.7 | 25.0 | 34.5 | 72.6 | 81.3 | 139.2 | 149.8 | 136.6 | 898.5 |
| 1986-1987 | 134.0 | 73.8 | 30.6 | 20.6 | 21.0 | 26.8 | 20.6 | 51.4 | 83.8 | 147.3 | 176.6 | 152.6 | 939.0 |
| 1987-1988 | 118.1 | 63.6 | 34.5 | 20.2 | 16.4 | 19.2 | 26.9 | 57.1 | 95.7 | 145.3 | 177.0 | 145.4 | 919.4 |
| 1988-1989 | 129.6 | 71.1 | 29.3 | 19.8 | 9.8 | 16.3 | 32.9 | 75.1 | 101.9 | 142.5 | 170.6 | 149.4 | 948.3 |
| 1989-1990 | 122.4 | 66.8 | 43.3 | 24.3 | 13.1 | 20.0 | 32.3 | 61.7 | 91.9 | 148.5 | 172.8 | 151.8 | 949.0 |
| 1990-1991 | 115.5 | 75.3 | 44.5 | 24.6 | 16.5 | 19.7 | 37.7 | 64.5 | 83.3 | 143.5 | 151.8 | 141.9 | 918.7 |
| 1991-1992 | 131.2 | 88.0 | 44.5 | 19.6 | 13.7 | 11.4 | 24.9 | 57.1 | 96.3 | 154.5 | 171.3 | 173.6 | 986.2 |
| 1992-1993 | 121.9 | 82.2 | 44.2 | 14.8 | 15.6 | 16.3 | 29.3 | 58.4 | 87.2 | 169.8 | 182.3 | 161.7 | 983.6 |
| 1993-1994 | 101.4 | 79.8 | 32.3 | 22.9 | 21.5 | 20.8 | 28.4 | 65.1 | 93.5 | 140.7 | 155.3 | 151.3 | 913.3 |
| 1994-1995 | 124.7 | 80.6 | 32.7 | 16.6 | 18.3 | 20.3 | 32.1 | 50.0 | 85.2 | 153.0 | 157.9 | 137.8 | 909.3 |
| 1995-1996 | 124.1 | 71.2 | 28.8 | 18.5 | 14.4 | 23.7 | 29.9 | 51.9 | 113.4 | 165.0 | 179.0 | 143.7 | 963.6 |
| 1996-1997 | 116.1 | 62.4 | 42.7 | 27.0 | 19.7 | 16.2 | 25.4 | 46.5 | 95.7 | 155.4 | 180.4 | 139.6 | 927.2 |
| 1997-1998 | 106.2 | 66.5 | 38.3 | 21.9 | 15.4 | 19.1 | 25.4 | 61.9 | 84.8 | 139.2 | 172.6 | 160.6 | 911.9 |
| 1998-1999 | 108.5 | 71.7 | 41.8 | 22.4 | 17.8 | 19.0 | 27.4 | 48.9 | 90.0 | 139.3 | 152.6 | 136.1 | 875.4 |
| 1999-2000 | 115.1 | 74.4 | 37.7 | 25.5 | 10.1 | 15.6 | 24.7 | 58.0 | 86.3 | 153.7 | 173.6 | 142.7 | 917.3 |
| 2000-2001 | 111.3 | 63.2 | 37.8 | 20.2 | 17.7 | 19.9 | 40.3 | 58.6 | 92.8 | 133.8 | 155.4 | 139.4 | 890.5 |
| 2001-2002 | 118.0 | 72.9 | 36.0 | 21.0 | 12.1 | 25.2 | 36.1 | 52.6 | 85.3 | 146.1 | 171.7 | 144.4 | 921.4 |
| 2002-2003 | 105.5 | 69.1 | 40.9 | 17.1 | 20.5 | 14.8 | 21.3 | 49.2 | 106.2 | 146.6 | 166.4 | 148.5 | 906.0 |
| 2003-2004 | 115.3 | 74.9 | 39.3 | 22.0 | 15.1 | 20.1 | 33.9 | 55.3 | 85.6 | 144.1 | 163.1 | 138.7 | 907.4 |
| 2004-2005 | 111.6 | 78.8 | 37.6 | 17.8 | 17.5 | 17.0 | 33.4 | 60.8 | 89.5 | 136.5 | 160.5 | 144.0 | 905.0 |
| 2005-2006 | 117.5 | 63.6 | 32.2 | 22.8 | 15.2 | 20.2 | 31.6 | 61.9 | 90.9 | 144.4 | 162.6 | 149.0 | 911.9 |
| 2006-2007 | 211.5 | 122.2 | 52.9 | 28.3 | 8.8 | 15.3 | 20.5 | 34.1 | 102.7 | 153.1 | 174.7 | 167.3 | 1091.4 |
| 2007-2008 | 80.3 | 55.3 | 27.1 | 11.0 | 13.9 | 18.8 | 51.9 | 73.8 | 100.9 | 181.3 | 194.4 | 179.2 | 987.9 |
| 2008-2009 | 114.0 | 67.2 | 43.8 | 22.0 | 19.2 | 20.5 | 26.2 | 51.8 | 80.0 | 142.9 | 161.0 | 138.8 | 887.4 |
| 2009-2010 | 104.4 | 74.3 | 35.1 | 24.1 | 19.9 | 23.3 | 32.5 | 54.4 | 83.2 | 127.8 | 141.5 | 149.1 | 869.6 |
| 2010-2011 | 116.5 | 71.1 | 44.3 | 27.1 | 17.5 | 19.2 | 28.2 | 49.8 | 79.2 | 134.1 | 151.8 | 136.4 | 875.2 |
| 2011-2012 | 126.3 | 67.6 | 28.8 | 19.8 | 15.0 | 16.0 | 25.2 | 55.6 | 89.5 | 153.4 | 182.3 | 159.7 | 939.1 |
| 2012-2013 | 108.2 | 69.9 | 40.3 | 22.0 | 15.6 | 22.9 | 31.9 | 56.0 | 94.0 | 130.9 | 145.2 | 136.2 | 873.2 |
| 2013-2014 | 110.2 | 57.6 | 42.7 | 17.1 | 21.4 | 23.9 | 36.7 | 58.9 | 87.2 | 136.3 | 151.4 | 145.2 | 888.5 |
| 2014-2015 | 120.3 | 69.6 | 36.4 | 27.6 | 16.1 | 18.9 | 34.8 | 48.2 | 90.2 | 128.6 | 156.8 | 153.3 | 900.8 |
| AVERAGE | 117.9 | 73.7 | 38.8 | 22.0 | 16.6 | 19.6 | 30.5 | 56.7 | 90.7 | 145.5 | 164.3 | 147.7 | |

**Table A. 68** Gaziveren station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 171.4 | 168.1 | 138.1 | 135 | 127.7 | 120 | 136 | 143.2 | 161.7 | 178.8 | 191.9 | 188.5 | 1860.4 |
| 1979-1980 | 178 | 168.5 | 148.8 | 128.2 | 117.9 | 109.4 | 127.6 | 137.2 | 160.5 | 175.5 | 190.5 | 195.4 | 1837.6 |
| 1980-1981 | 172.5 | 167.4 | 145.1 | 132.6 | 122 | 109.9 | 134.3 | 141 | 154 | 176.1 | 191.6 | 192 | 1838.4 |
| 1981-1982 | 169.6 | 171.3 | 135.4 | 136.2 | 126.6 | 106.7 | 125.3 | 142.8 | 162.1 | 173 | 187.7 | 192.3 | 1829.1 |
| 1982-1983 | 178.9 | 168.7 | 134.7 | 127.4 | 114.5 | 106 | 126.8 | 140.4 | 165.3 | 170.4 | 189.9 | 188.8 | 1811.9 |
| 1983-1984 | 172.1 | 173.6 | 155.5 | 141.6 | 127.4 | 115.7 | 131.9 | 137.9 | 163.2 | 172.6 | 190.6 | 189 | 1871.1 |
| 1984-1985 | 175.5 | 166.2 | 137 | 124.7 | 127 | 105.3 | 130.2 | 143.8 | 171.4 | 176.4 | 193.5 | 196.2 | 1847.2 |
| 1985-1986 | 178.5 | 159.5 | 146.3 | 130.7 | 124.6 | 117.5 | 136.2 | 152.8 | 161.6 | 176.9 | 191.4 | 192.7 | 1868.9 |
| 1986-1987 | 181.8 | 165 | 131.9 | 127.1 | 127.1 | 117.1 | 120.7 | 137.7 | 159.6 | 175.6 | 196.6 | 194.8 | 1835.1 |
| 1987-1988 | 179.1 | 161.8 | 138 | 128.5 | 122.6 | 111.5 | 129.1 | 143.7 | 169 | 178.9 | 201.5 | 196.4 | 1860.2 |
| 1988-1989 | 180.4 | 163.7 | 130.9 | 126.2 | 110.6 | 106.8 | 132.8 | 151.3 | 168.8 | 174.4 | 195 | 193.9 | 1834.7 |
| 1989-1990 | 174.7 | 158.8 | 141.8 | 130.5 | 115.2 | 109.8 | 130.8 | 142.3 | 161.7 | 173.8 | 192.7 | 192 | 1824.1 |
| 1990-1991 | 174.4 | 166.4 | 144.6 | 132.3 | 121.2 | 110.6 | 136.9 | 145.7 | 159.7 | 174.8 | 188.1 | 190.9 | 1845.6 |
| 1991-1992 | 174.2 | 167.5 | 140.1 | 122.8 | 114.5 | 98.83 | 122.3 | 137 | 160.3 | 171.7 | 187.5 | 195.4 | 1792.0 |
| 1992-1993 | 171.2 | 165.2 | 140.4 | 116.8 | 117.5 | 104.7 | 126.5 | 138.3 | 156.8 | 177.3 | 192.1 | 191.9 | 1798.6 |
| 1993-1994 | 169.7 | 170.8 | 135 | 131.2 | 128.9 | 112.5 | 129.6 | 147.3 | 166.4 | 175.6 | 191.5 | 197 | 1855.4 |
| 1994-1995 | 182.8 | 173.5 | 136.8 | 123.8 | 125.8 | 113 | 134.4 | 139.8 | 164.2 | 182.5 | 195.3 | 193.9 | 1865.9 |
| 1995-1996 | 175.7 | 161.8 | 129.1 | 123.4 | 117.3 | 113.5 | 128.9 | 136.9 | 171.8 | 179.5 | 195.2 | 189 | 1822.1 |
| 1996-1997 | 175.8 | 158.9 | 143.9 | 135.6 | 126.2 | 107.2 | 126.4 | 135.6 | 166.8 | 180 | 199.8 | 191.1 | 1847.0 |
| 1997-1998 | 174.1 | 164.2 | 141.9 | 130.9 | 121.3 | 111.5 | 127.9 | 146.9 | 163.7 | 177.1 | 200.4 | 203.5 | 1863.5 |
| 1998-1999 | 179.5 | 171.6 | 148.2 | 134 | 126.9 | 113.2 | 132 | 141.8 | 170.4 | 181.7 | 197.9 | 197.9 | 1895.2 |
| 1999-2000 | 178.3 | 169.5 | 141.4 | 135.6 | 112.5 | 107.6 | 127.1 | 144.8 | 164.6 | 182.5 | 201 | 196 | 1861.0 |
| 2000-2001 | 178.3 | 163.4 | 142.7 | 129.7 | 125.7 | 113.2 | 142.5 | 146.3 | 169.6 | 177 | 196.1 | 196.5 | 1881.1 |
| 2001-2002 | 177.5 | 166.7 | 138.6 | 128.8 | 115.3 | 116.8 | 136.7 | 140 | 162.4 | 177.6 | 197.8 | 194.3 | 1852.5 |
| 2002-2003 | 175.2 | 167.3 | 145.3 | 125.2 | 129.5 | 107.1 | 124.2 | 140.1 | 176 | 181.5 | 200.1 | 200.2 | 1871.6 |
| 2003-2004 | 177.8 | 169.2 | 142.5 | 130.8 | 120.7 | 112.4 | 135.5 | 142.6 | 163.8 | 178.4 | 196.3 | 193.4 | 1863.5 |
| 2004-2005 | 176.8 | 172.3 | 141.4 | 125.4 | 124.5 | 109.3 | 135.5 | 146.4 | 166.3 | 176.3 | 196.1 | 196.5 | 1866.8 |
| 2005-2006 | 179.2 | 162.1 | 136 | 132.2 | 121 | 112.7 | 133.7 | 146.9 | 166.9 | 179 | 196.6 | 198.5 | 1864.9 |
| 2006-2007 | 183.2 | 168.9 | 135.9 | 124.6 | 102.3 | 98.5 | 112.2 | 115.9 | 150.7 | 157.3 | 172.5 | 176.4 | 1698.2 |
| 2007-2008 | 154.9 | 150.7 | 126.9 | 112.1 | 116.2 | 108.2 | 145.1 | 148.1 | 165.3 | 183.6 | 199.2 | 201.7 | 1812.0 |
| 2008-2009 | 180.2 | 166.7 | 148.5 | 132.5 | 128 | 114.1 | 129.8 | 142.4 | 163.2 | 181 | 199 | 196.9 | 1882.4 |
| 2009-2010 | 177 | 172.9 | 141.4 | 135.9 | 129.8 | 117.7 | 136.9 | 145.1 | 166.1 | 176.7 | 192.7 | 203.3 | 1895.3 |
| 2010-2011 | 182.3 | 170.2 | 149.5 | 139.4 | 126 | 113.1 | 132.4 | 141.7 | 163.5 | 178.5 | 196.3 | 196.8 | 1889.5 |
| 2011-2012 | 181.2 | 163.2 | 131.6 | 127.3 | 119.8 | 107.4 | 126.6 | 141.9 | 164.5 | 180.3 | 201.6 | 200.7 | 1846.1 |
| 2012-2013 | 179.1 | 170.1 | 146.6 | 133.4 | 123.5 | 117.4 | 136.4 | 146.3 | 172.3 | 178.1 | 194.6 | 197.6 | 1895.4 |
| 2013-2014 | 177.7 | 159.2 | 147.1 | 125.2 | 130.7 | 117.3 | 139.4 | 146.4 | 166.6 | 177.8 | 194.3 | 198.9 | 1880.5 |
| 2014-2015 | 180.3 | 166 | 140 | 137.8 | 122.3 | 111.2 | 136.5 | 138.3 | 166.4 | 172.9 | 194.2 | 200 | 1865.8 |
| AVERAGE | 176.5 | 166.2 | 140.5 | 129.6 | 121.9 | 110.9 | 131.3 | 142.1 | 164.5 | 176.8 | 194.3 | 194.9 | |

**Table A. 69** Gaziveren station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 131.9 | 62.22 | 46.6 | 43.22 | 42.09 | 42.97 | 53.54 | 116.7 | 141.4 | 161.9 | 170.9 | 157.9 | 1171.2 |
| 1979-1980 | 137 | 62.4 | 50.17 | 41.07 | 38.87 | 39.2 | 50.23 | 111.8 | 140.3 | 158.8 | 169.6 | 163.7 | 1163.2 |
| 1980-1981 | 132.8 | 61.97 | 48.92 | 42.45 | 40.21 | 39.36 | 52.91 | 114.8 | 134.6 | 159.4 | 170.5 | 160.8 | 1158.8 |
| 1981-1982 | 130.5 | 63.44 | 45.68 | 43.62 | 41.73 | 38.2 | 49.34 | 116.4 | 141.7 | 156.6 | 167.1 | 161.1 | 1155.4 |
| 1982-1983 | 137.7 | 62.48 | 45.41 | 40.8 | 37.72 | 37.98 | 49.92 | 114.3 | 144.5 | 154.2 | 169.1 | 158.1 | 1152.3 |
| 1983-1984 | 132.5 | 64.28 | 52.46 | 45.36 | 41.99 | 41.42 | 51.95 | 112.3 | 142.6 | 156.2 | 169.7 | 158.3 | 1169.1 |
| 1984-1985 | 135.1 | 61.55 | 46.23 | 39.92 | 41.85 | 37.69 | 51.26 | 117.2 | 149.8 | 159.7 | 172.3 | 164.3 | 1176.9 |
| 1985-1986 | 137.4 | 59.08 | 49.33 | 41.86 | 41.07 | 42.06 | 53.65 | 124.5 | 141.3 | 160.1 | 170.4 | 161.4 | 1182.1 |
| 1986-1987 | 139.9 | 61.11 | 44.49 | 40.69 | 41.9 | 41.96 | 47.55 | 112.2 | 139.4 | 158.9 | 175 | 163.2 | 1166.4 |
| 1987-1988 | 137.8 | 59.9 | 46.55 | 41.15 | 40.42 | 39.94 | 50.85 | 117.1 | 147.7 | 161.9 | 179.4 | 164.5 | 1187.3 |
| 1988-1989 | 138.9 | 60.63 | 44.13 | 40.41 | 36.44 | 38.26 | 52.29 | 123.3 | 147.5 | 157.8 | 173.6 | 162.5 | 1175.6 |
| 1989-1990 | 134.5 | 58.82 | 47.83 | 41.78 | 37.96 | 39.33 | 51.53 | 115.9 | 141.4 | 157.3 | 171.6 | 160.8 | 1158.7 |
| 1990-1991 | 134.3 | 61.63 | 48.79 | 42.34 | 39.96 | 39.6 | 53.89 | 118.7 | 139.6 | 158.2 | 167.4 | 159.9 | 1164.3 |
| 1991-1992 | 134 | 62.05 | 47.24 | 39.32 | 37.73 | 35.39 | 48.13 | 111.7 | 140.1 | 155.4 | 166.9 | 163.7 | 1141.6 |
| 1992-1993 | 131.8 | 61.16 | 47.34 | 37.39 | 38.71 | 37.51 | 49.83 | 112.7 | 137 | 160.4 | 171 | 160.8 | 1145.6 |
| 1993-1994 | 130.6 | 63.26 | 45.51 | 42 | 42.49 | 40.29 | 51.05 | 120 | 145.4 | 158.9 | 170.4 | 165 | 1175.0 |
| 1994-1995 | 140.7 | 64.28 | 46.14 | 39.66 | 41.47 | 40.46 | 52.93 | 113.9 | 143.5 | 165.1 | 173.8 | 162.4 | 1184.5 |
| 1995-1996 | 135.3 | 59.92 | 43.53 | 39.53 | 38.65 | 40.64 | 50.78 | 111.5 | 150.2 | 162.5 | 173.8 | 158.3 | 1164.5 |
| 1996-1997 | 135.3 | 58.85 | 48.53 | 43.41 | 41.6 | 38.37 | 49.78 | 110.5 | 145.8 | 162.8 | 177.8 | 160 | 1172.8 |
| 1997-1998 | 133.9 | 60.77 | 47.85 | 41.95 | 39.99 | 39.94 | 50.35 | 119.7 | 143.1 | 160.3 | 178.4 | 170.4 | 1186.8 |
| 1998-1999 | 138.2 | 63.53 | 49.98 | 42.93 | 41.85 | 40.55 | 52.02 | 115.5 | 148.9 | 164.4 | 176.2 | 165.8 | 1199.9 |
| 1999-2000 | 137.3 | 62.77 | 47.71 | 43.41 | 37.07 | 38.54 | 50.07 | 118 | 143.9 | 165.2 | 178.9 | 164.1 | 1187.0 |
| 2000-2001 | 137.3 | 60.53 | 48.12 | 41.54 | 41.43 | 40.53 | 56.12 | 119.2 | 148.3 | 160.2 | 174.5 | 164.6 | 1192.4 |
| 2001-2002 | 136.6 | 61.72 | 46.74 | 41.24 | 38.01 | 41.84 | 53.82 | 114.1 | 141.9 | 160.8 | 176.1 | 162.7 | 1175.6 |
| 2002-2003 | 134.9 | 61.93 | 49.02 | 40.09 | 42.69 | 38.34 | 48.91 | 114.1 | 153.9 | 164.3 | 178.1 | 167.7 | 1193.9 |
| 2003-2004 | 136.9 | 62.66 | 48.06 | 41.89 | 39.79 | 40.26 | 53.39 | 116.2 | 143.1 | 161.5 | 174.7 | 162 | 1180.5 |
| 2004-2005 | 136.1 | 63.81 | 47.68 | 40.16 | 41.06 | 39.13 | 53.37 | 119.3 | 145.4 | 159.6 | 174.5 | 164.6 | 1184.7 |
| 2005-2006 | 138 | 60.01 | 45.88 | 42.33 | 39.89 | 40.38 | 52.67 | 119.7 | 145.9 | 162 | 175 | 166.2 | 1188.0 |
| 2006-2007 | 141 | 62.53 | 45.83 | 39.89 | 33.72 | 35.3 | 44.15 | 94.44 | 131.7 | 142.3 | 153.5 | 147.7 | 1072.1 |
| 2007-2008 | 119.2 | 55.78 | 42.81 | 35.89 | 38.28 | 38.78 | 57.15 | 120.7 | 144.5 | 166.1 | 177.3 | 168.9 | 1165.5 |
| 2008-2009 | 138.7 | 61.74 | 50.1 | 42.42 | 42.21 | 40.87 | 51.14 | 116 | 142.6 | 163.8 | 177.1 | 164.9 | 1191.7 |
| 2009-2010 | 136.2 | 64 | 47.69 | 43.54 | 42.8 | 42.15 | 53.9 | 118.2 | 145.2 | 159.9 | 171.5 | 170.3 | 1195.4 |
| 2010-2011 | 140.3 | 63.02 | 50.45 | 44.63 | 41.53 | 40.49 | 52.12 | 115.4 | 142.9 | 161.6 | 174.7 | 164.8 | 1192.0 |
| 2011-2012 | 139.5 | 60.45 | 44.37 | 40.76 | 39.5 | 38.44 | 49.87 | 115.6 | 143.8 | 163.1 | 179.5 | 168.1 | 1183.0 |
| 2012-2013 | 137.9 | 63 | 49.46 | 42.72 | 40.72 | 42.04 | 53.72 | 119.2 | 150.6 | 161.2 | 173.2 | 165.5 | 1199.3 |
| 2013-2014 | 136.8 | 58.96 | 49.61 | 40.09 | 43.1 | 42.01 | 54.9 | 119.3 | 145.5 | 160.9 | 173 | 166.6 | 1190.8 |
| 2014-2015 | 138.8 | 61.47 | 47.22 | 44.13 | 40.31 | 39.83 | 53.77 | 112.7 | 145.4 | 156.5 | 172.8 | 167.6 | 1180.5 |
| AVERAGE | 135.8 | 61.6 | 47.4 | 41.5 | 40.2 | 39.7 | 51.7 | 115.8 | 143.8 | 160.0 | 173.0 | 163.2 | |

**Table A. 70** Gaziveren station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 111.4 | 89.1 | 53.92 | 42.7 | 42.42 | 49.68 | 78.35 | 97.65 | 125.5 | 145.4 | 151.9 | 138.7 | 1126.6 |
| 1979-1980 | 115.1 | 89.38 | 59.89 | 38.94 | 36.91 | 43.76 | 73.64 | 94.29 | 124.8 | 143.4 | 151.1 | 142.5 | 1113.8 |
| 1980-1981 | 112 | 88.72 | 57.81 | 41.36 | 39.18 | 44.01 | 77.45 | 96.4 | 121.2 | 143.8 | 151.7 | 140.6 | 1114.3 |
| 1981-1982 | 110.4 | 90.91 | 52.4 | 43.42 | 41.78 | 42.22 | 72.36 | 97.42 | 125.7 | 142.1 | 149.5 | 140.8 | 1109.0 |
| 1982-1983 | 115.6 | 89.49 | 52 | 38.48 | 34.96 | 41.85 | 73.23 | 96.04 | 127.5 | 140.6 | 150.8 | 138.8 | 1099.3 |
| 1983-1984 | 111.8 | 92.21 | 63.69 | 46.46 | 42.22 | 47.27 | 76.1 | 94.64 | 126.3 | 141.8 | 151.2 | 138.9 | 1132.6 |
| 1984-1985 | 113.7 | 88.07 | 53.3 | 36.92 | 41.99 | 41.41 | 75.1 | 97.99 | 130.9 | 144 | 152.8 | 143 | 1119.2 |
| 1985-1986 | 115.4 | 84.32 | 58.48 | 40.34 | 40.66 | 48.27 | 78.49 | 103.1 | 125.4 | 144.3 | 151.6 | 141 | 1131.4 |
| 1986-1987 | 117.2 | 87.4 | 50.42 | 38.27 | 42.07 | 48.08 | 69.8 | 94.56 | 124.3 | 143.5 | 154.5 | 142.2 | 1112.4 |
| 1987-1988 | 115.7 | 85.57 | 53.85 | 39.09 | 39.56 | 44.94 | 74.51 | 97.95 | 129.6 | 145.4 | 157.3 | 143.1 | 1126.5 |
| 1988-1989 | 116.5 | 86.66 | 49.84 | 37.8 | 32.79 | 42.28 | 76.56 | 102.2 | 129.5 | 142.8 | 153.6 | 141.7 | 1112.2 |
| 1989-1990 | 113.3 | 83.93 | 55.98 | 40.18 | 35.36 | 43.99 | 75.48 | 97.14 | 125.5 | 142.5 | 152.3 | 140.6 | 1106.2 |
| 1990-1991 | 113.1 | 88.18 | 57.57 | 41.2 | 38.77 | 44.4 | 78.86 | 99.02 | 124.3 | 143.1 | 149.8 | 140 | 1118.3 |
| 1991-1992 | 112.9 | 88.81 | 55.01 | 35.86 | 34.96 | 37.8 | 70.66 | 94.19 | 124.7 | 141.3 | 149.4 | 142.5 | 1088.2 |
| 1992-1993 | 111.3 | 87.48 | 55.2 | 32.5 | 36.65 | 41.11 | 73.07 | 94.88 | 122.7 | 144.5 | 152 | 140.6 | 1091.9 |
| 1993-1994 | 110.4 | 90.65 | 52.13 | 40.58 | 43.09 | 45.48 | 74.81 | 99.96 | 128.1 | 143.5 | 151.6 | 143.4 | 1123.8 |
| 1994-1995 | 117.8 | 92.17 | 53.17 | 36.46 | 41.33 | 45.75 | 77.48 | 95.76 | 126.9 | 147.4 | 153.8 | 141.7 | 1129.7 |
| 1995-1996 | 113.8 | 85.59 | 48.83 | 36.22 | 36.55 | 46.02 | 74.42 | 94.09 | 131.2 | 145.7 | 153.7 | 138.9 | 1105.1 |
| 1996-1997 | 113.8 | 83.96 | 57.16 | 43.07 | 41.54 | 42.49 | 72.98 | 93.37 | 128.3 | 146 | 156.3 | 140.1 | 1119.1 |
| 1997-1998 | 112.9 | 86.92 | 56.05 | 40.45 | 38.82 | 44.93 | 73.83 | 99.73 | 126.6 | 144.4 | 156.7 | 147.1 | 1128.4 |
| 1998-1999 | 116 | 91.08 | 59.56 | 42.18 | 41.97 | 45.85 | 76.16 | 96.85 | 130.4 | 147 | 155.3 | 143.9 | 1146.2 |
| 1999-2000 | 115.3 | 89.93 | 55.76 | 43.06 | 33.88 | 42.75 | 73.39 | 98.52 | 127.1 | 147.4 | 157 | 142.8 | 1126.9 |
| 2000-2001 | 115.3 | 86.5 | 56.48 | 39.76 | 41.26 | 45.86 | 82.05 | 99.4 | 129.9 | 144.3 | 154.2 | 143.1 | 1138.2 |
| 2001-2002 | 114.8 | 88.33 | 54.17 | 39.23 | 35.44 | 47.91 | 78.75 | 95.85 | 125.9 | 144.7 | 155.2 | 141.9 | 1122.2 |
| 2002-2003 | 113.5 | 88.66 | 57.95 | 37.24 | 43.44 | 42.42 | 71.74 | 95.89 | 133.5 | 146.8 | 156.5 | 145.2 | 1132.9 |
| 2003-2004 | 115 | 89.75 | 56.36 | 40.38 | 38.47 | 45.43 | 78.1 | 97.33 | 126.6 | 145.1 | 154.3 | 141.4 | 1128.3 |
| 2004-2005 | 114.4 | 91.49 | 55.74 | 37.32 | 40.63 | 43.67 | 78.11 | 99.45 | 128.1 | 143.9 | 154.2 | 143.1 | 1130.2 |
| 2005-2006 | 115.8 | 85.74 | 52.74 | 41.15 | 38.64 | 45.61 | 77.09 | 99.73 | 128.4 | 145.4 | 154.5 | 144.3 | 1129.1 |
| 2006-2007 | 118 | 89.57 | 52.65 | 36.88 | 28.15 | 37.62 | 64.99 | 82.31 | 119.3 | 133.2 | 141 | 131.8 | 1035.5 |
| 2007-2008 | 102.1 | 79.34 | 47.63 | 29.85 | 35.93 | 43.09 | 83.51 | 100.4 | 127.5 | 148 | 156 | 146.1 | 1099.4 |
| 2008-2009 | 116.3 | 88.36 | 59.76 | 41.32 | 42.58 | 46.36 | 74.92 | 97.2 | 126.3 | 146.6 | 155.9 | 143.3 | 1138.9 |
| 2009-2010 | 114.5 | 91.79 | 55.76 | 43.26 | 43.59 | 48.4 | 78.86 | 98.69 | 128 | 144.1 | 152.3 | 146.9 | 1146.2 |
| 2010-2011 | 117.5 | 90.29 | 60.32 | 45.18 | 41.43 | 45.81 | 76.33 | 96.78 | 126.5 | 145.2 | 154.4 | 143.3 | 1143.0 |
| 2011-2012 | 116.9 | 86.4 | 50.23 | 38.42 | 37.97 | 42.61 | 73.11 | 96.9 | 127.1 | 146.2 | 157.3 | 145.5 | 1118.6 |
| 2012-2013 | 115.7 | 90.25 | 58.68 | 41.83 | 40.04 | 48.22 | 78.59 | 99.38 | 131.4 | 145 | 153.4 | 143.8 | 1146.3 |
| 2013-2014 | 114.9 | 84.15 | 58.96 | 37.2 | 44.08 | 48.18 | 80.3 | 99.42 | 128.2 | 144.8 | 153.2 | 144.5 | 1137.9 |
| 2014-2015 | 116.4 | 87.92 | 54.98 | 44.29 | 39.35 | 44.77 | 78.66 | 94.9 | 128.1 | 142 | 153.2 | 145.1 | 1129.7 |
| AVERAGE | 114.2 | 88.1 | 55.3 | 39.7 | 39.1 | 44.6 | 75.7 | 97.0 | 127.1 | 144.2 | 153.2 | 142.2 | |

**Table A. 71** Gecitkale station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 111.3 | 77.7 | 37.7 | 31.3 | 28.3 | 35.5 | 54.6 | 77.7 | 123.6 | 180.9 | 212.2 | 168.4 | 1139.4 |
| 1979-1980 | 123.3 | 77.2 | 45.8 | 29.1 | 26.2 | 30.3 | 49.0 | 73.2 | 119.0 | 171.1 | 200.2 | 182.8 | 1127.1 |
| 1980-1981 | 112.3 | 76.8 | 46.0 | 30.4 | 28.0 | 31.8 | 54.3 | 78.2 | 109.4 | 176.5 | 207.2 | 181.7 | 1132.4 |
| 1981-1982 | 124.3 | 84.9 | 38.3 | 32.2 | 29.6 | 28.8 | 45.1 | 77.7 | 122.9 | 170.2 | 190.4 | 178.2 | 1122.7 |
| 1982-1983 | 127.0 | 78.4 | 38.3 | 27.8 | 25.4 | 29.5 | 47.6 | 75.7 | 125.4 | 159.8 | 196.3 | 170.4 | 1101.7 |
| 1983-1984 | 116.3 | 72.4 | 45.9 | 32.1 | 28.5 | 33.7 | 52.5 | 72.4 | 141.3 | 164.6 | 187.8 | 141.9 | 1089.5 |
| 1984-1985 | 109.4 | 75.7 | 38.1 | 25.9 | 28.9 | 26.8 | 46.3 | 73.5 | 113.1 | 150.0 | 189.5 | 169.0 | 1046.1 |
| 1985-1986 | 113.7 | 71.2 | 45.1 | 31.0 | 30.5 | 33.8 | 53.4 | 86.4 | 103.2 | 158.8 | 183.6 | 162.3 | 1073.0 |
| 1986-1987 | 113.4 | 65.2 | 33.1 | 25.2 | 26.9 | 33.3 | 39.9 | 65.3 | 105.6 | 155.7 | 191.4 | 164.3 | 1019.3 |
| 1987-1988 | 113.2 | 64.3 | 35.6 | 27.3 | 25.7 | 29.3 | 43.8 | 69.1 | 115.1 | 158.6 | 205.6 | 171.9 | 1059.8 |
| 1988-1989 | 109.7 | 65.2 | 33.3 | 26.5 | 23.6 | 32.4 | 49.3 | 79.9 | 122.0 | 135.0 | 184.8 | 162.0 | 1023.6 |
| 1989-1990 | 105.6 | 62.1 | 40.1 | 28.4 | 25.5 | 31.5 | 50.2 | 73.1 | 113.7 | 156.9 | 174.5 | 160.1 | 1021.8 |
| 1990-1991 | 110.7 | 73.2 | 38.7 | 27.1 | 24.5 | 28.4 | 48.5 | 71.8 | 102.6 | 143.9 | 166.1 | 147.6 | 983.2 |
| 1991-1992 | 99.9 | 65.6 | 35.9 | 23.5 | 21.2 | 22.6 | 37.3 | 53.3 | 89.4 | 133.5 | 148.8 | 146.6 | 877.6 |
| 1992-1993 | 93.6 | 67.3 | 35.8 | 22.3 | 21.8 | 24.3 | 39.2 | 60.1 | 88.4 | 136.5 | 170.0 | 149.1 | 908.5 |
| 1993-1994 | 96.3 | 72.2 | 38.2 | 30.6 | 30.9 | 30.3 | 49.2 | 76.3 | 112.9 | 165.2 | 168.0 | 174.6 | 1044.6 |
| 1994-1995 | 125.7 | 86.9 | 39.7 | 25.7 | 27.8 | 32.8 | 49.1 | 71.1 | 122.5 | 175.5 | 207.0 | 164.3 | 1128.1 |
| 1995-1996 | 117.1 | 70.6 | 34.8 | 27.8 | 27.3 | 31.9 | 45.8 | 68.7 | 128.1 | 176.7 | 204.1 | 173.8 | 1106.7 |
| 1996-1997 | 111.2 | 63.2 | 44.9 | 29.9 | 27.4 | 26.7 | 42.0 | 59.0 | 119.3 | 162.3 | 193.0 | 145.9 | 1024.8 |
| 1997-1998 | 98.7 | 67.2 | 39.7 | 28.3 | 26.7 | 33.1 | 47.5 | 77.2 | 114.0 | 167.9 | 212.4 | 192.9 | 1105.7 |
| 1998-1999 | 120.3 | 79.0 | 45.3 | 30.6 | 29.5 | 31.3 | 50.4 | 73.5 | 130.5 | 162.6 | 198.7 | 173.2 | 1125.0 |
| 1999-2000 | 111.8 | 71.4 | 39.8 | 30.2 | 23.6 | 29.6 | 43.7 | 77.2 | 130.1 | 191.5 | 221.1 | 173.4 | 1143.5 |
| 2000-2001 | 110.5 | 66.5 | 39.3 | 27.3 | 26.0 | 29.8 | 52.4 | 70.9 | 115.8 | 162.9 | 191.7 | 170.5 | 1063.7 |
| 2001-2002 | 107.2 | 67.8 | 36.8 | 25.5 | 22.8 | 32.7 | 48.7 | 67.6 | 109.8 | 175.1 | 217.4 | 176.2 | 1087.7 |
| 2002-2003 | 104.8 | 69.1 | 39.4 | 24.8 | 31.8 | 29.0 | 45.3 | 68.0 | 148.5 | 183.9 | 225.4 | 203.5 | 1173.5 |
| 2003-2004 | 120.5 | 80.8 | 46.1 | 31.9 | 23.9 | 27.2 | 52.2 | 75.8 | 121.4 | 176.6 | 216.5 | 182.2 | 1155.1 |
| 2004-2005 | 116.4 | 82.3 | 43.9 | 28.8 | 29.0 | 29.4 | 51.8 | 83.6 | 129.8 | 171.4 | 217.4 | 181.3 | 1165.2 |
| 2005-2006 | 120.4 | 68.5 | 39.0 | 31.9 | 28.1 | 32.8 | 50.3 | 83.1 | 136.6 | 185.4 | 219.1 | 195.8 | 1190.9 |
| 2006-2007 | 126.4 | 76.7 | 38.9 | 29.1 | 28.9 | 35.1 | 48.8 | 70.8 | 125.3 | 176.3 | 209.9 | 180.4 | 1146.6 |
| 2007-2008 | 113.6 | 78.0 | 41.8 | 27.9 | 22.8 | 28.0 | 54.6 | 77.1 | 115.6 | 177.7 | 200.2 | 182.6 | 1119.9 |
| 2008-2009 | 107.0 | 65.1 | 39.6 | 25.6 | 27.2 | 30.3 | 45.2 | 72.3 | 116.6 | 181.3 | 207.3 | 173.1 | 1090.5 |
| 2009-2010 | 105.8 | 73.6 | 37.2 | 29.5 | 27.7 | 31.7 | 49.4 | 73.7 | 118.7 | 156.3 | 186.0 | 188.0 | 1077.5 |
| 2010-2011 | 115.7 | 72.6 | 40.6 | 30.9 | 27.2 | 29.7 | 45.2 | 67.6 | 110.4 | 160.5 | 195.4 | 171.4 | 1067.4 |
| 2011-2012 | 112.0 | 64.2 | 32.6 | 25.7 | 24.5 | 26.1 | 41.8 | 70.7 | 112.5 | 165.8 | 209.6 | 179.6 | 1065.2 |
| 2012-2013 | 111.6 | 70.6 | 41.9 | 28.3 | 25.7 | 31.3 | 49.6 | 76.3 | 127.8 | 162.6 | 193.9 | 175.1 | 1094.8 |
| 2013-2014 | 106.9 | 62.4 | 42.1 | 25.5 | 28.6 | 31.1 | 52.8 | 76.1 | 114.4 | 168.0 | 191.4 | 173.1 | 1072.4 |
| 2014-2015 | 110.2 | 65.7 | 35.8 | 29.7 | 24.4 | 28.4 | 48.9 | 66.6 | 116.6 | 149.1 | 189.2 | 178.8 | 1043.2 |
| AVERAGE | 112.3 | 71.7 | 39.6 | 28.3 | 26.7 | 30.3 | 48.0 | 72.7 | 118.2 | 165.0 | 196.9 | 172.1 | |

**Table A. 72** Gecitkale station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 132.4 | 88.7 | 33.0 | 24.3 | 16.1 | 25.0 | 33.7 | 58.0 | 86.2 | 148.0 | 168.0 | 144.1 | 957.5 |
| 1979-1980 | 158.8 | 91.0 | 52.4 | 20.6 | 13.0 | 16.2 | 27.0 | 53.2 | 84.3 | 143.0 | 163.0 | 163.5 | 986.1 |
| 1980-1981 | 135.0 | 87.6 | 51.1 | 22.7 | 15.6 | 18.3 | 33.5 | 59.1 | 72.2 | 144.5 | 164.7 | 157.9 | 962.1 |
| 1981-1982 | 160.1 | 105.1 | 35.4 | 27.0 | 19.0 | 13.5 | 21.7 | 60.1 | 88.3 | 141.8 | 153.6 | 158.6 | 984.1 |
| 1982-1983 | 177.5 | 100.1 | 38.3 | 19.5 | 12.4 | 15.9 | 26.7 | 61.2 | 96.8 | 139.8 | 169.7 | 161.0 | 1018.7 |
| 1983-1984 | 149.9 | 83.9 | 53.6 | 27.4 | 17.4 | 22.9 | 32.5 | 53.2 | 109.2 | 139.0 | 154.6 | 123.6 | 967.2 |
| 1984-1985 | 163.0 | 106.8 | 42.7 | 17.5 | 21.2 | 12.6 | 27.7 | 64.8 | 92.4 | 143.5 | 181.6 | 177.8 | 1051.5 |
| 1985-1986 | 148.2 | 83.1 | 53.0 | 25.7 | 21.5 | 23.6 | 34.5 | 76.9 | 70.0 | 135.2 | 153.3 | 148.3 | 973.3 |
| 1986-1987 | 190.2 | 91.6 | 33.0 | 17.6 | 18.8 | 28.9 | 19.5 | 54.8 | 90.6 | 165.3 | 201.0 | 188.5 | 1099.8 |
| 1987-1988 | 174.2 | 82.1 | 36.6 | 21.2 | 14.9 | 17.7 | 24.1 | 57.6 | 96.3 | 156.9 | 202.0 | 184.0 | 1067.7 |
| 1988-1989 | 173.9 | 87.7 | 32.3 | 20.0 | 11.2 | 25.5 | 34.5 | 81.3 | 109.1 | 130.8 | 186.1 | 178.7 | 1071.0 |
| 1989-1990 | 160.4 | 78.4 | 49.9 | 24.1 | 14.8 | 22.9 | 35.4 | 66.2 | 96.1 | 157.5 | 170.1 | 172.4 | 1048.1 |
| 1990-1991 | 187.6 | 114.1 | 50.0 | 23.0 | 13.9 | 17.5 | 35.0 | 69.2 | 88.0 | 151.3 | 172.8 | 168.6 | 1091.1 |
| 1991-1992 | 238.2 | 139.1 | 61.9 | 20.6 | 10.6 | 9.1 | 22.3 | 47.5 | 96.8 | 193.4 | 211.9 | 237.1 | 1288.5 |
| 1992-1993 | 197.3 | 133.7 | 56.5 | 15.3 | 11.4 | 12.3 | 24.5 | 61.2 | 88.0 | 184.9 | 232.9 | 224.3 | 1242.4 |
| 1993-1994 | 129.0 | 94.9 | 41.3 | 27.6 | 24.8 | 18.7 | 31.4 | 67.3 | 89.0 | 157.2 | 151.9 | 178.1 | 1011.0 |
| 1994-1995 | 164.0 | 109.7 | 38.9 | 14.1 | 15.8 | 20.9 | 27.3 | 50.3 | 88.5 | 148.4 | 170.0 | 145.6 | 993.5 |
| 1995-1996 | 162.1 | 85.9 | 30.7 | 19.9 | 16.2 | 20.8 | 24.6 | 50.6 | 101.5 | 161.5 | 180.4 | 167.6 | 1022.0 |
| 1996-1997 | 176.2 | 82.5 | 64.2 | 28.3 | 19.0 | 13.0 | 22.0 | 40.4 | 104.9 | 167.0 | 194.4 | 156.3 | 1068.4 |
| 1997-1998 | 125.1 | 78.4 | 42.1 | 20.7 | 15.0 | 23.2 | 26.9 | 64.4 | 85.1 | 150.7 | 187.3 | 186.9 | 1005.8 |
| 1998-1999 | 149.0 | 91.6 | 49.7 | 23.1 | 18.3 | 17.6 | 28.2 | 52.2 | 93.8 | 130.6 | 157.5 | 149.9 | 961.7 |
| 1999-2000 | 142.8 | 82.6 | 40.1 | 23.6 | 9.1 | 15.4 | 20.4 | 61.2 | 98.4 | 168.4 | 186.5 | 158.4 | 1007.1 |
| 2000-2001 | 159.5 | 82.8 | 44.2 | 19.9 | 14.7 | 17.9 | 36.7 | 57.9 | 92.8 | 154.9 | 178.3 | 174.0 | 1033.5 |
| 2001-2002 | 153.5 | 86.1 | 38.1 | 16.1 | 8.9 | 24.0 | 30.8 | 52.2 | 86.0 | 170.5 | 205.9 | 181.5 | 1053.7 |
| 2002-2003 | 125.1 | 75.3 | 37.7 | 12.3 | 23.0 | 13.8 | 21.8 | 44.9 | 113.7 | 155.3 | 184.2 | 182.3 | 989.5 |
| 2003-2004 | 147.2 | 93.7 | 50.7 | 25.3 | 8.9 | 10.5 | 30.2 | 54.8 | 83.7 | 142.9 | 170.8 | 156.7 | 975.4 |
| 2004-2005 | 135.4 | 93.0 | 44.4 | 18.5 | 16.5 | 13.5 | 28.8 | 64.2 | 89.2 | 133.5 | 166.3 | 151.0 | 954.4 |
| 2005-2006 | 139.1 | 67.5 | 33.5 | 23.9 | 14.7 | 18.9 | 26.3 | 62.2 | 94.0 | 144.2 | 164.6 | 161.1 | 949.9 |
| 2006-2007 | 158.7 | 87.1 | 35.7 | 20.0 | 17.0 | 24.3 | 25.9 | 48.0 | 88.2 | 144.0 | 166.6 | 156.4 | 972.1 |
| 2007-2008 | 148.3 | 96.8 | 45.3 | 19.1 | 7.9 | 12.9 | 36.4 | 61.9 | 83.9 | 156.0 | 169.6 | 169.9 | 1008.0 |
| 2008-2009 | 149.0 | 78.0 | 44.0 | 15.9 | 16.8 | 18.5 | 24.7 | 59.2 | 92.1 | 173.7 | 191.1 | 173.8 | 1036.7 |
| 2009-2010 | 142.5 | 93.8 | 37.1 | 23.9 | 17.2 | 20.9 | 30.3 | 60.0 | 92.4 | 140.5 | 165.0 | 185.7 | 1009.3 |
| 2010-2011 | 166.2 | 93.9 | 46.5 | 27.8 | 16.6 | 17.3 | 24.6 | 50.8 | 84.4 | 148.6 | 178.3 | 171.2 | 1026.3 |
| 2011-2012 | 178.2 | 84.9 | 30.3 | 18.0 | 12.9 | 11.8 | 21.7 | 62.7 | 96.1 | 171.9 | 213.4 | 200.0 | 1101.9 |
| 2012-2013 | 149.0 | 84.5 | 47.0 | 20.5 | 13.0 | 19.4 | 29.8 | 62.4 | 99.8 | 143.4 | 167.9 | 166.6 | 1003.1 |
| 2013-2014 | 147.6 | 71.6 | 50.0 | 15.5 | 19.4 | 20.0 | 36.3 | 65.4 | 88.9 | 157.0 | 173.5 | 172.5 | 1017.8 |
| 2014-2015 | 169.9 | 86.4 | 37.8 | 27.2 | 12.4 | 16.1 | 32.9 | 53.5 | 99.3 | 146.3 | 186.3 | 194.7 | 1062.7 |
| AVERAGE | 158.5 | 91.2 | 43.5 | 21.3 | 15.4 | 18.1 | 28.4 | 58.7 | 92.2 | 152.5 | 178.2 | 171.0 | |

**Table A. 73** Gecitkale station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 184.4 | 178.8 | 141.4 | 139.5 | 128.8 | 123.7 | 143.6 | 151.1 | 175.5 | 192.5 | 210.1 | 203.3 | 1972.7 |
| 1979-1980 | 191.4 | 178.2 | 154.7 | 134.2 | 123.4 | 113.5 | 135.9 | 147 | 172.8 | 188.7 | 206 | 209 | 1954.7 |
| 1980-1981 | 185 | 177.9 | 154.9 | 137.4 | 128 | 116.7 | 143.2 | 151.4 | 166.9 | 190.8 | 208.4 | 208.6 | 1969.1 |
| 1981-1982 | 191.9 | 184.9 | 142.4 | 141.4 | 132 | 110.3 | 130.2 | 151.1 | 175.1 | 188.3 | 202.4 | 207.3 | 1957.3 |
| 1982-1983 | 193.5 | 179.3 | 142.6 | 131.2 | 121 | 111.8 | 133.8 | 149.3 | 176.5 | 184 | 204.6 | 204.2 | 1931.7 |
| 1983-1984 | 187.4 | 173.8 | 154.8 | 141.1 | 129.3 | 120.3 | 140.8 | 146.2 | 184.9 | 186 | 201.5 | 191.2 | 1957.3 |
| 1984-1985 | 183.2 | 176.9 | 142.1 | 126.1 | 130.2 | 105.8 | 131.9 | 147.3 | 169.2 | 179.7 | 202.1 | 203.5 | 1897.9 |
| 1985-1986 | 185.9 | 172.5 | 153.7 | 138.8 | 134 | 120.5 | 142 | 158.3 | 162.7 | 183.6 | 199.9 | 200.6 | 1952.6 |
| 1986-1987 | 185.7 | 166.4 | 132.5 | 124.1 | 125.2 | 119.5 | 121.6 | 139.2 | 164.4 | 182.2 | 202.8 | 201.5 | 1865.1 |
| 1987-1988 | 185.6 | 165.4 | 137.4 | 129.9 | 122.1 | 111.4 | 128.1 | 143.1 | 170.5 | 183.5 | 207.9 | 204.7 | 1889.5 |
| 1988-1989 | 183.4 | 166.3 | 133 | 127.6 | 115.9 | 117.7 | 136.4 | 152.9 | 174.6 | 172.5 | 200.4 | 200.5 | 1881.2 |
| 1989-1990 | 180.8 | 162.9 | 145.7 | 132.5 | 121.5 | 115.9 | 137.8 | 146.8 | 169.6 | 182.8 | 196.3 | 199.7 | 1892.3 |
| 1990-1991 | 184.1 | 174.5 | 143.1 | 129.4 | 118.7 | 109.4 | 135.3 | 145.6 | 162.4 | 176.8 | 192.9 | 194 | 1866.1 |
| 1991-1992 | 177 | 166.8 | 138 | 119.3 | 108.4 | 94.87 | 116.8 | 125.4 | 152.7 | 171.7 | 185.1 | 193.5 | 1749.6 |
| 1992-1993 | 172.6 | 168.6 | 137.9 | 115.5 | 110.5 | 99.49 | 120.2 | 133.5 | 151.9 | 173.3 | 194.4 | 194.7 | 1772.7 |
| 1993-1994 | 174.6 | 173.5 | 142.3 | 137.7 | 135 | 113.5 | 136.3 | 149.8 | 169.1 | 186.3 | 193.6 | 205.8 | 1917.4 |
| 1994-1995 | 192.7 | 186.6 | 145 | 125.4 | 127.5 | 118.6 | 136.1 | 145 | 174.8 | 190.4 | 208.3 | 201.5 | 1952.0 |
| 1995-1996 | 187.9 | 171.9 | 135.9 | 131.2 | 126.2 | 116.8 | 131.3 | 142.7 | 178 | 190.8 | 207.3 | 205.5 | 1925.5 |
| 1996-1997 | 184.4 | 164.2 | 153.2 | 136.1 | 126.4 | 105.6 | 125.2 | 132.2 | 173 | 185.1 | 203.4 | 193.2 | 1882.0 |
| 1997-1998 | 176.3 | 168.5 | 144.9 | 132.3 | 124.7 | 119.2 | 133.8 | 150.6 | 169.8 | 187.4 | 210.2 | 212.9 | 1930.5 |
| 1998-1999 | 189.7 | 179.8 | 154 | 137.9 | 131.8 | 115.7 | 138 | 147.3 | 179.3 | 185.2 | 205.5 | 205.2 | 1969.3 |
| 1999-2000 | 184.7 | 172.8 | 145.1 | 136.9 | 115.9 | 112.1 | 128 | 150.6 | 179.1 | 196.4 | 213 | 205.3 | 1939.9 |
| 2000-2001 | 183.9 | 167.8 | 144.2 | 129.7 | 122.9 | 112.5 | 140.8 | 144.8 | 170.9 | 185.3 | 203 | 204.2 | 1909.8 |
| 2001-2002 | 181.9 | 169.1 | 139.7 | 125 | 113.5 | 118.3 | 135.5 | 141.5 | 167.2 | 190.3 | 211.8 | 206.5 | 1900.3 |
| 2002-2003 | 180.3 | 170.4 | 144.3 | 123 | 137.1 | 110.7 | 130.4 | 141.9 | 188.4 | 193.6 | 214.4 | 216.6 | 1951.1 |
| 2003-2004 | 189.8 | 181.5 | 155.1 | 140.7 | 116.9 | 106.6 | 140.4 | 149.4 | 174.3 | 190.8 | 211.5 | 208.8 | 1965.9 |
| 2004-2005 | 187.5 | 182.7 | 151.8 | 133.5 | 130.4 | 111.6 | 140 | 156 | 179 | 188.8 | 211.8 | 208.5 | 1981.5 |
| 2005-2006 | 189.8 | 169.8 | 143.6 | 140.7 | 128.2 | 118.7 | 137.8 | 155.6 | 182.5 | 194.1 | 212.3 | 213.9 | 1987.1 |
| 2006-2007 | 193.1 | 177.8 | 143.5 | 134.3 | 130.1 | 122.9 | 135.7 | 144.7 | 176.4 | 190.7 | 209.3 | 208.1 | 1966.8 |
| 2007-2008 | 185.8 | 179 | 148.4 | 131.2 | 113.5 | 108.6 | 143.7 | 150.5 | 170.7 | 191.2 | 206 | 209 | 1937.6 |
| 2008-2009 | 181.7 | 166.2 | 144.7 | 125.2 | 126 | 113.6 | 130.3 | 146.2 | 171.3 | 192.6 | 208.4 | 205.2 | 1911.5 |
| 2009-2010 | 180.9 | 174.8 | 140.5 | 135.3 | 127.2 | 116.5 | 136.5 | 147.5 | 172.7 | 182.5 | 200.8 | 211 | 1926.1 |
| 2010-2011 | 187.1 | 173.9 | 146.5 | 138.6 | 125.9 | 112.3 | 130.3 | 141.6 | 167.5 | 184.3 | 204.3 | 204.5 | 1916.8 |
| 2011-2012 | 184.8 | 165.2 | 131.5 | 125.6 | 118.5 | 104.1 | 124.8 | 144.5 | 168.9 | 186.5 | 209.2 | 207.8 | 1871.6 |
| 2012-2013 | 184.6 | 171.9 | 148.6 | 132.3 | 121.9 | 115.6 | 136.9 | 149.8 | 177.8 | 185.2 | 203.7 | 206 | 1934.4 |
| 2013-2014 | 181.7 | 163.3 | 148.9 | 124.9 | 129.4 | 115.3 | 141.2 | 149.6 | 170.1 | 187.4 | 202.8 | 205.2 | 1919.9 |
| 2014-2015 | 183.8 | 166.8 | 137.9 | 135.6 | 118.3 | 109.4 | 135.8 | 140.5 | 171.4 | 179.3 | 202 | 207.5 | 1888.3 |
| AVERAGE | 184.8 | 172.7 | 144.4 | 131.9 | 124.2 | 113.2 | 134.2 | 146.2 | 171.9 | 186.0 | 204.5 | 204.6 | |

**Table A. 74** Gecitkale station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 141.7 | 66.05 | 47.59 | 44.57 | 42.38 | 44.22 | 56.45 | 122.8 | 153.1 | 173.8 | 186.7 | 169.9 | 1249.3 |
| 1979-1980 | 147 | 65.86 | 52.08 | 42.88 | 40.6 | 40.59 | 53.42 | 119.5 | 150.7 | 170.4 | 183 | 174.8 | 1240.9 |
| 1980-1981 | 142.1 | 65.75 | 52.15 | 43.93 | 42.11 | 41.69 | 56.28 | 123.2 | 145.5 | 172.3 | 185.1 | 174.4 | 1244.6 |
| 1981-1982 | 147.5 | 68.35 | 47.92 | 45.19 | 43.43 | 39.42 | 51.17 | 122.8 | 152.8 | 170.1 | 179.9 | 173.3 | 1241.7 |
| 1982-1983 | 148.6 | 66.28 | 47.98 | 41.92 | 39.82 | 39.98 | 52.62 | 121.4 | 154 | 166.2 | 181.8 | 170.6 | 1231.2 |
| 1983-1984 | 144 | 64.21 | 52.09 | 45.11 | 42.55 | 42.99 | 55.35 | 118.9 | 161.3 | 168 | 179 | 159.8 | 1233.4 |
| 1984-1985 | 140.8 | 65.36 | 47.83 | 40.29 | 42.82 | 37.82 | 51.86 | 119.7 | 147.6 | 162.3 | 179.5 | 170.1 | 1206.1 |
| 1985-1986 | 142.8 | 63.76 | 51.72 | 44.36 | 44.09 | 43.07 | 55.83 | 128.7 | 142 | 165.8 | 177.6 | 167.7 | 1227.5 |
| 1986-1987 | 142.7 | 61.48 | 44.59 | 39.67 | 41.18 | 42.72 | 47.79 | 113.2 | 143.4 | 164.6 | 180.2 | 168.5 | 1189.9 |
| 1987-1988 | 142.6 | 61.13 | 46.24 | 41.51 | 40.16 | 39.81 | 50.35 | 116.3 | 148.7 | 165.7 | 184.7 | 171.1 | 1208.4 |
| 1988-1989 | 140.9 | 61.45 | 44.74 | 40.79 | 38.14 | 42.08 | 53.61 | 124.4 | 152.3 | 155.8 | 178 | 167.6 | 1199.8 |
| 1989-1990 | 138.9 | 60.21 | 49.03 | 42.35 | 39.98 | 41.45 | 54.15 | 119.4 | 147.9 | 165.1 | 174.4 | 166.9 | 1199.8 |
| 1990-1991 | 141.4 | 64.49 | 48.18 | 41.35 | 39.06 | 39.09 | 53.17 | 118.4 | 141.7 | 159.7 | 171.3 | 162.1 | 1180.0 |
| 1991-1992 | 136 | 61.64 | 46.47 | 38.12 | 35.65 | 33.91 | 45.92 | 101.9 | 133.2 | 155.1 | 164.4 | 161.7 | 1114.1 |
| 1992-1993 | 132.6 | 62.31 | 46.42 | 36.92 | 36.35 | 35.56 | 47.24 | 108.6 | 132.5 | 156.5 | 172.8 | 162.7 | 1130.4 |
| 1993-1994 | 134.1 | 64.11 | 47.89 | 44.03 | 44.41 | 40.56 | 53.56 | 121.8 | 147.5 | 168.3 | 172 | 172 | 1210.3 |
| 1994-1995 | 148 | 68.94 | 48.79 | 40.09 | 41.95 | 42.39 | 53.51 | 117.9 | 152.5 | 172 | 185.1 | 168.5 | 1239.7 |
| 1995-1996 | 144.3 | 63.53 | 45.73 | 41.92 | 41.52 | 41.76 | 51.6 | 116 | 155.3 | 172.4 | 184.2 | 171.8 | 1230.1 |
| 1996-1997 | 141.6 | 60.67 | 51.58 | 43.5 | 41.6 | 37.74 | 49.18 | 107.5 | 150.9 | 167.2 | 180.7 | 161.5 | 1193.7 |
| 1997-1998 | 135.4 | 62.26 | 48.77 | 42.27 | 41.03 | 42.62 | 52.6 | 122.4 | 148.1 | 169.3 | 186.7 | 177.9 | 1229.4 |
| 1998-1999 | 145.7 | 66.46 | 51.82 | 44.07 | 43.36 | 41.36 | 54.23 | 119.7 | 156.4 | 167.3 | 182.5 | 171.6 | 1244.6 |
| 1999-2000 | 141.9 | 63.84 | 48.84 | 43.76 | 38.15 | 40.07 | 50.3 | 122.5 | 156.2 | 177.4 | 189.2 | 171.6 | 1243.8 |
| 2000-2001 | 141.3 | 62 | 48.53 | 41.46 | 40.42 | 40.22 | 55.33 | 117.8 | 149.1 | 167.4 | 180.3 | 170.7 | 1214.4 |
| 2001-2002 | 139.7 | 62.48 | 47.02 | 39.95 | 37.34 | 42.3 | 53.27 | 115.1 | 145.8 | 171.9 | 188.2 | 172.6 | 1215.6 |
| 2002-2003 | 138.5 | 62.98 | 48.57 | 39.29 | 45.1 | 39.57 | 51.26 | 115.4 | 164.4 | 174.9 | 190.4 | 181.1 | 1251.4 |
| 2003-2004 | 145.8 | 67.07 | 52.22 | 44.98 | 38.47 | 38.1 | 55.19 | 121.4 | 152 | 172.4 | 187.9 | 174.6 | 1250.1 |
| 2004-2005 | 144 | 67.54 | 51.09 | 42.67 | 42.91 | 39.88 | 55 | 126.9 | 156.1 | 170.5 | 188.2 | 174.3 | 1259.1 |
| 2005-2006 | 145.8 | 62.74 | 48.35 | 44.97 | 42.18 | 42.42 | 54.16 | 126.5 | 159.2 | 175.4 | 188.6 | 178.8 | 1269.2 |
| 2006-2007 | 148.3 | 65.7 | 48.32 | 42.93 | 42.81 | 43.95 | 53.32 | 117.7 | 153.9 | 172.3 | 186 | 174 | 1249.2 |
| 2007-2008 | 142.7 | 66.15 | 49.96 | 41.95 | 37.34 | 38.81 | 56.46 | 122.4 | 148.9 | 172.7 | 183 | 174.7 | 1235.2 |
| 2008-2009 | 139.6 | 61.42 | 48.69 | 40.02 | 41.47 | 40.59 | 51.21 | 118.9 | 149.5 | 174 | 185.2 | 171.5 | 1222.0 |
| 2009-2010 | 139 | 64.61 | 47.31 | 43.22 | 41.83 | 41.65 | 53.65 | 119.9 | 150.6 | 164.8 | 178.4 | 176.4 | 1221.4 |
| 2010-2011 | 143.7 | 64.28 | 49.3 | 44.29 | 41.43 | 40.16 | 51.22 | 115.1 | 146.1 | 166.5 | 181.5 | 171 | 1214.6 |
| 2011-2012 | 142 | 61.06 | 44.27 | 40.13 | 39 | 37.2 | 49.06 | 117.5 | 147.3 | 168.5 | 185.9 | 173.7 | 1205.7 |
| 2012-2013 | 141.8 | 63.53 | 50.03 | 42.28 | 40.09 | 41.34 | 53.78 | 121.8 | 155.2 | 167.3 | 181 | 172.2 | 1230.4 |
| 2013-2014 | 139.6 | 60.34 | 50.13 | 39.91 | 42.59 | 41.21 | 55.5 | 121.7 | 148.3 | 169.3 | 180.2 | 171.5 | 1220.3 |
| 2014-2015 | 141.2 | 61.66 | 46.4 | 43.35 | 38.93 | 39.11 | 53.39 | 114.2 | 149.5 | 161.9 | 179.5 | 173.4 | 1202.5 |
| AVERAGE | 142.0 | 63.8 | 48.6 | 42.2 | 40.9 | 40.5 | 52.8 | 118.9 | 150.0 | 168.0 | 181.7 | 171.0 | |

**Table A. 75** Gecitkale station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 120 | 96.05 | 56.29 | 45.68 | 43.56 | 52.41 | 83.77 | 103.4 | 134.9 | 154.9 | 164 | 148.6 | 1203.6 |
| 1979-1980 | 123.9 | 95.73 | 63.8 | 42.68 | 40.49 | 46.7 | 79.43 | 101.1 | 133.4 | 152.7 | 161.7 | 151.8 | 1193.6 |
| 1980-1981 | 120.3 | 95.56 | 63.91 | 44.52 | 43.08 | 48.45 | 83.54 | 103.6 | 130.1 | 153.9 | 163 | 151.6 | 1201.6 |
| 1981-1982 | 124.2 | 99.5 | 56.85 | 46.73 | 45.34 | 44.89 | 76.27 | 103.4 | 134.7 | 152.5 | 159.7 | 150.8 | 1195.0 |
| 1982-1983 | 125.1 | 96.36 | 56.97 | 41 | 39.19 | 45.75 | 78.29 | 102.5 | 135.5 | 150.1 | 160.9 | 149.1 | 1180.7 |
| 1983-1984 | 121.7 | 93.25 | 63.82 | 46.59 | 43.84 | 50.47 | 82.19 | 100.7 | 140.2 | 151.3 | 159.2 | 141.8 | 1195.0 |
| 1984-1985 | 119.3 | 94.98 | 56.71 | 38.16 | 44.31 | 42.37 | 77.23 | 101.3 | 131.4 | 147.7 | 159.5 | 148.7 | 1161.7 |
| 1985-1986 | 120.8 | 92.56 | 63.19 | 45.29 | 46.45 | 50.6 | 82.89 | 107.5 | 127.8 | 149.9 | 158.3 | 147.1 | 1192.4 |
| 1986-1987 | 120.7 | 89.1 | 51.32 | 37.06 | 41.51 | 50.05 | 71.43 | 96.76 | 128.7 | 149.1 | 159.9 | 147.6 | 1143.3 |
| 1987-1988 | 120.7 | 88.57 | 54.06 | 40.29 | 39.76 | 45.49 | 75.08 | 98.96 | 132.1 | 149.8 | 162.7 | 149.4 | 1157.0 |
| 1988-1989 | 119.4 | 89.05 | 51.59 | 39.02 | 36.31 | 49.06 | 79.72 | 104.5 | 134.4 | 143.7 | 158.5 | 147.1 | 1152.3 |
| 1989-1990 | 118 | 87.17 | 58.71 | 41.77 | 39.45 | 48.06 | 80.5 | 101.1 | 131.6 | 149.4 | 156.2 | 146.6 | 1158.6 |
| 1990-1991 | 119.8 | 93.64 | 57.29 | 40.01 | 37.88 | 44.36 | 79.1 | 100.4 | 127.6 | 146.1 | 154.3 | 143.4 | 1143.9 |
| 1991-1992 | 115.9 | 89.35 | 54.44 | 34.36 | 32.07 | 36.24 | 68.76 | 89.01 | 122.2 | 143.2 | 149.9 | 143.1 | 1078.6 |
| 1992-1993 | 113.4 | 90.34 | 54.37 | 32.24 | 33.29 | 38.83 | 70.64 | 93.6 | 121.7 | 144.1 | 155.2 | 143.8 | 1091.5 |
| 1993-1994 | 114.5 | 93.08 | 56.82 | 44.7 | 46.99 | 46.67 | 79.67 | 102.7 | 131.4 | 151.4 | 154.7 | 150 | 1172.7 |
| 1994-1995 | 124.6 | 100.4 | 58.32 | 37.8 | 42.81 | 49.53 | 79.58 | 100 | 134.6 | 153.7 | 163 | 147.6 | 1192.0 |
| 1995-1996 | 121.9 | 92.21 | 53.21 | 41 | 42.08 | 48.55 | 76.88 | 98.71 | 136.4 | 154 | 162.4 | 149.8 | 1177.2 |
| 1996-1997 | 120 | 87.89 | 62.95 | 43.79 | 42.21 | 42.24 | 73.43 | 92.87 | 133.6 | 150.7 | 160.2 | 142.9 | 1152.8 |
| 1997-1998 | 115.4 | 90.28 | 58.28 | 41.63 | 41.25 | 49.9 | 78.28 | 103.2 | 131.7 | 152 | 164 | 154 | 1180.0 |
| 1998-1999 | 123 | 96.64 | 63.36 | 44.79 | 45.22 | 47.91 | 80.61 | 101.3 | 137.1 | 150.8 | 161.4 | 149.7 | 1201.8 |
| 1999-2000 | 120.2 | 92.69 | 58.4 | 44.24 | 36.33 | 45.9 | 75 | 103.2 | 137 | 157.1 | 165.6 | 149.7 | 1185.3 |
| 2000-2001 | 119.7 | 89.88 | 57.89 | 40.2 | 40.21 | 46.13 | 82.18 | 99.92 | 132.3 | 150.9 | 160 | 149.1 | 1168.4 |
| 2001-2002 | 118.6 | 90.61 | 55.37 | 37.56 | 34.96 | 49.39 | 79.23 | 98.08 | 130.3 | 153.6 | 164.9 | 150.4 | 1163.1 |
| 2002-2003 | 117.7 | 91.38 | 57.95 | 36.41 | 48.17 | 45.12 | 76.38 | 98.3 | 142.2 | 155.5 | 166.4 | 156.1 | 1191.6 |
| 2003-2004 | 123 | 97.57 | 64.01 | 46.37 | 36.89 | 42.82 | 81.97 | 102.5 | 134.3 | 154 | 164.8 | 151.7 | 1199.8 |
| 2004-2005 | 121.7 | 98.27 | 62.15 | 42.34 | 44.46 | 45.6 | 81.72 | 106.2 | 136.9 | 152.8 | 164.9 | 151.5 | 1208.6 |
| 2005-2006 | 123 | 91.02 | 57.57 | 46.34 | 43.21 | 49.57 | 80.53 | 106 | 138.9 | 155.8 | 165.2 | 154.6 | 1211.7 |
| 2006-2007 | 124.9 | 95.5 | 57.53 | 42.78 | 44.28 | 51.97 | 79.32 | 99.88 | 135.5 | 153.9 | 163.5 | 151.3 | 1200.3 |
| 2007-2008 | 120.8 | 96.17 | 60.24 | 41.05 | 34.96 | 43.92 | 83.8 | 103.1 | 132.3 | 154.2 | 161.7 | 151.8 | 1184.0 |
| 2008-2009 | 118.5 | 89.01 | 58.15 | 37.68 | 41.99 | 46.71 | 76.3 | 100.7 | 132.6 | 155 | 163.1 | 149.7 | 1169.3 |
| 2009-2010 | 118 | 93.85 | 55.84 | 43.3 | 42.62 | 48.36 | 79.77 | 101.4 | 133.4 | 149.3 | 158.8 | 152.9 | 1177.5 |
| 2010-2011 | 121.5 | 93.33 | 59.16 | 45.16 | 41.92 | 46.03 | 76.33 | 98.11 | 130.5 | 150.3 | 160.7 | 149.3 | 1172.3 |
| 2011-2012 | 120.2 | 88.45 | 50.8 | 37.87 | 37.78 | 41.39 | 73.24 | 99.77 | 131.2 | 151.5 | 163.5 | 151.2 | 1147.0 |
| 2012-2013 | 120.1 | 92.21 | 60.36 | 41.66 | 39.65 | 47.87 | 79.98 | 102.7 | 136.3 | 150.8 | 160.4 | 150.1 | 1182.2 |
| 2013-2014 | 118.5 | 87.36 | 60.54 | 37.49 | 43.9 | 47.68 | 82.42 | 102.6 | 131.9 | 152.1 | 159.9 | 149.7 | 1174.0 |
| 2014-2015 | 119.6 | 89.36 | 54.33 | 43.52 | 37.67 | 44.37 | 79.41 | 97.51 | 132.6 | 147.5 | 159.5 | 151 | 1156.3 |
| AVERAGE | 120.2 | 92.7 | 58.0 | 41.4 | 41.0 | 46.5 | 78.5 | 100.7 | 133.0 | 151.2 | 160.9 | 149.3 | |

**Table A. 76** Girne station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 97.7 | 70.7 | 38.6 | 30.5 | 29.2 | 33.5 | 51.2 | 67.4 | 103.8 | 142.0 | 167.2 | 143.1 | 974.7 |
| 1979-1980 | 106.8 | 76.5 | 46.7 | 29.3 | 25.8 | 30.0 | 47.1 | 65.8 | 98.5 | 147.3 | 174.4 | 189.1 | 1037.5 |
| 1980-1981 | 107.1 | 69.1 | 41.3 | 30.9 | 27.8 | 32.2 | 56.1 | 80.2 | 109.5 | 194.9 | 213.4 | 186.8 | 1149.2 |
| 1981-1982 | 127.8 | 84.2 | 38.4 | 32.9 | 30.2 | 29.8 | 45.7 | 71.3 | 105.1 | 145.4 | 164.8 | 153.2 | 1028.8 |
| 1982-1983 | 107.9 | 70.5 | 35.9 | 28.0 | 25.6 | 29.4 | 46.3 | 69.4 | 109.5 | 140.4 | 168.0 | 147.9 | 978.8 |
| 1983-1984 | 101.9 | 65.2 | 43.4 | 31.6 | 30.2 | 34.0 | 51.8 | 69.7 | 115.6 | 147.5 | 171.9 | 145.1 | 1008.0 |
| 1984-1985 | 103.0 | 70.7 | 37.2 | 27.3 | 30.5 | 29.3 | 47.3 | 71.7 | 113.1 | 146.2 | 175.8 | 159.2 | 1011.3 |
| 1985-1986 | 107.4 | 65.1 | 42.9 | 30.5 | 30.2 | 34.3 | 52.8 | 79.4 | 105.0 | 150.9 | 168.7 | 151.4 | 1018.6 |
| 1986-1987 | 109.0 | 67.3 | 35.8 | 28.3 | 30.1 | 34.7 | 42.2 | 68.0 | 100.3 | 145.1 | 181.8 | 157.0 | 999.6 |
| 1987-1988 | 107.7 | 65.6 | 38.2 | 29.6 | 28.6 | 31.6 | 48.7 | 71.8 | 113.4 | 150.9 | 200.7 | 163.6 | 1050.5 |
| 1988-1989 | 108.2 | 66.0 | 35.9 | 28.5 | 24.8 | 30.8 | 50.9 | 81.2 | 118.6 | 144.3 | 181.3 | 156.1 | 1026.8 |
| 1989-1990 | 108.0 | 69.4 | 42.3 | 31.9 | 28.3 | 33.7 | 53.2 | 75.0 | 113.5 | 150.8 | 180.1 | 160.4 | 1046.7 |
| 1990-1991 | 109.2 | 77.4 | 46.6 | 34.5 | 30.7 | 33.7 | 55.6 | 76.8 | 109.1 | 150.6 | 173.5 | 158.0 | 1055.8 |
| 1991-1992 | 109.5 | 77.6 | 43.8 | 29.0 | 27.9 | 28.0 | 48.0 | 70.9 | 106.1 | 144.7 | 168.9 | 164.6 | 1019.1 |
| 1992-1993 | 109.2 | 74.5 | 42.3 | 27.5 | 28.7 | 30.5 | 48.2 | 70.7 | 101.4 | 154.2 | 184.8 | 169.0 | 1041.0 |
| 1993-1994 | 110.7 | 84.2 | 42.5 | 35.5 | 34.6 | 36.8 | 54.6 | 82.0 | 120.8 | 159.2 | 179.8 | 171.2 | 1111.8 |
| 1994-1995 | 127.2 | 91.0 | 45.0 | 31.7 | 33.7 | 37.8 | 56.8 | 75.9 | 115.3 | 167.3 | 191.1 | 169.2 | 1142.0 |
| 1995-1996 | 116.2 | 74.8 | 39.5 | 31.6 | 30.7 | 37.2 | 54.5 | 72.7 | 125.4 | 168.6 | 199.2 | 181.0 | 1131.4 |
| 1996-1997 | 123.0 | 77.3 | 51.3 | 38.9 | 33.3 | 32.9 | 49.8 | 68.0 | 116.9 | 163.4 | 201.4 | 158.3 | 1114.3 |
| 1997-1998 | 111.2 | 76.9 | 46.7 | 33.9 | 31.4 | 36.4 | 51.1 | 78.3 | 109.1 | 159.2 | 195.6 | 181.7 | 1111.4 |
| 1998-1999 | 115.8 | 79.7 | 49.0 | 35.9 | 34.5 | 37.9 | 57.2 | 78.4 | 126.9 | 164.7 | 193.6 | 175.5 | 1149.2 |
| 1999-2000 | 117.7 | 84.1 | 47.1 | 36.5 | 29.6 | 35.1 | 51.8 | 78.9 | 122.9 | 181.9 | 207.4 | 174.5 | 1167.6 |
| 2000-2001 | 120.4 | 77.6 | 48.3 | 33.4 | 32.7 | 37.0 | 63.3 | 81.4 | 123.1 | 157.6 | 190.4 | 178.4 | 1143.8 |
| 2001-2002 | 124.2 | 84.9 | 45.8 | 34.0 | 29.1 | 38.8 | 59.6 | 78.1 | 120.3 | 166.7 | 207.6 | 173.5 | 1162.6 |
| 2002-2003 | 118.6 | 82.2 | 50.0 | 30.8 | 34.7 | 32.9 | 50.7 | 75.6 | 132.4 | 166.6 | 198.9 | 177.9 | 1151.1 |
| 2003-2004 | 116.8 | 76.6 | 44.4 | 31.9 | 29.1 | 33.2 | 55.5 | 76.3 | 114.6 | 159.2 | 196.1 | 173.3 | 1106.9 |
| 2004-2005 | 119.3 | 85.0 | 45.7 | 30.9 | 31.5 | 33.3 | 55.1 | 76.4 | 115.3 | 151.3 | 188.3 | 166.8 | 1098.8 |
| 2005-2006 | 119.2 | 72.8 | 41.1 | 33.3 | 29.9 | 35.1 | 55.2 | 80.8 | 119.0 | 159.0 | 195.1 | 178.9 | 1119.4 |
| 2006-2007 | 124.8 | 79.1 | 42.8 | 32.5 | 31.5 | 35.7 | 56.3 | 77.0 | 118.5 | 170.3 | 200.9 | 175.0 | 1144.5 |
| 2007-2008 | 116.5 | 82.8 | 46.5 | 32.8 | 29.9 | 33.7 | 60.0 | 82.3 | 121.5 | 173.4 | 200.7 | 183.7 | 1163.8 |
| 2008-2009 | 122.5 | 79.8 | 52.3 | 35.1 | 32.4 | 35.9 | 54.2 | 77.7 | 117.4 | 170.6 | 198.5 | 173.7 | 1150.3 |
| 2009-2010 | 114.3 | 81.2 | 45.5 | 35.1 | 33.8 | 37.0 | 58.1 | 82.0 | 120.2 | 158.0 | 185.9 | 187.8 | 1139.0 |
| 2010-2011 | 125.7 | 80.5 | 51.0 | 38.2 | 32.3 | 36.1 | 55.2 | 75.7 | 115.0 | 161.0 | 194.1 | 175.7 | 1140.5 |
| 2011-2012 | 123.1 | 75.3 | 40.0 | 31.9 | 29.6 | 33.0 | 51.0 | 77.5 | 116.1 | 164.7 | 210.4 | 187.0 | 1139.5 |
| 2012-2013 | 120.4 | 80.1 | 49.0 | 33.9 | 31.4 | 38.3 | 57.0 | 81.4 | 127.9 | 161.7 | 195.8 | 177.3 | 1154.3 |
| 2013-2014 | 117.1 | 71.8 | 48.7 | 30.5 | 34.5 | 37.6 | 58.2 | 79.9 | 114.8 | 157.6 | 186.1 | 173.9 | 1110.8 |
| 2014-2015 | 120.1 | 77.7 | 44.0 | 36.3 | 30.6 | 34.5 | 56.8 | 73.1 | 118.0 | 148.5 | 186.3 | 179.4 | 1105.3 |
| AVERAGE | 114.7 | 76.4 | 43.9 | 32.3 | 30.5 | 34.1 | 53.2 | 75.6 | 115.0 | 158.0 | 188.6 | 169.7 | |

**Table A. 77** Girne station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.1 | 89.8 | 48.3 | 29.2 | 22.4 | 27.6 | 38.2 | 54.8 | 88.6 | 150.1 | 174.9 | 176.1 | 1012.1 |
| 1979-1980 | 115.0 | 91.9 | 65.0 | 23.9 | 14.3 | 18.4 | 28.4 | 47.2 | 73.8 | 143.2 | 167.4 | 224.3 | 1012.8 |
| 1980-1981 | 96.2 | 65.1 | 40.9 | 22.7 | 15.0 | 18.6 | 35.4 | 58.2 | 73.3 | 169.2 | 175.5 | 182.0 | 952.1 |
| 1981-1982 | 139.6 | 102.8 | 41.7 | 31.0 | 21.8 | 17.5 | 25.6 | 54.7 | 80.4 | 137.2 | 152.3 | 169.6 | 974.0 |
| 1982-1983 | 133.3 | 93.5 | 42.4 | 24.4 | 16.1 | 19.8 | 31.1 | 61.0 | 100.7 | 154.1 | 183.6 | 192.2 | 1052.2 |
| 1983-1984 | 109.4 | 72.4 | 56.8 | 29.3 | 22.5 | 26.5 | 36.2 | 54.2 | 96.9 | 145.3 | 166.6 | 164.4 | 980.5 |
| 1984-1985 | 116.2 | 86.6 | 42.5 | 21.0 | 24.1 | 18.0 | 30.3 | 60.3 | 98.2 | 150.6 | 179.4 | 194.4 | 1021.5 |
| 1985-1986 | 114.4 | 70.5 | 53.9 | 26.2 | 22.0 | 26.4 | 36.9 | 68.4 | 81.2 | 146.3 | 158.8 | 169.3 | 974.1 |
| 1986-1987 | 128.1 | 82.1 | 39.7 | 23.9 | 23.9 | 30.0 | 22.6 | 55.4 | 82.6 | 152.8 | 191.5 | 196.2 | 1028.8 |
| 1987-1988 | 115.1 | 71.5 | 41.8 | 24.3 | 19.2 | 21.1 | 30.6 | 56.2 | 92.1 | 146.6 | 195.6 | 187.0 | 1001.1 |
| 1988-1989 | 121.3 | 75.8 | 38.0 | 23.2 | 13.2 | 20.7 | 35.6 | 74.9 | 103.3 | 144.7 | 182.3 | 185.4 | 1018.3 |
| 1989-1990 | 110.5 | 74.7 | 49.9 | 28.0 | 17.8 | 24.2 | 36.0 | 58.6 | 88.1 | 139.7 | 164.6 | 173.9 | 966.0 |
| 1990-1991 | 105.4 | 82.8 | 56.7 | 31.3 | 20.7 | 22.6 | 37.2 | 57.5 | 77.9 | 130.7 | 147.7 | 159.8 | 930.3 |
| 1991-1992 | 120.9 | 95.7 | 58.4 | 23.8 | 18.4 | 14.9 | 30.3 | 56.6 | 85.3 | 142.5 | 164.2 | 194.4 | 1005.2 |
| 1992-1993 | 117.4 | 87.8 | 52.6 | 20.0 | 19.4 | 19.1 | 29.8 | 54.6 | 77.1 | 151.4 | 178.3 | 195.1 | 1002.5 |
| 1993-1994 | 96.2 | 83.4 | 41.5 | 29.7 | 24.4 | 25.2 | 32.0 | 58.0 | 81.7 | 125.8 | 138.0 | 157.0 | 892.8 |
| 1994-1995 | 108.9 | 88.6 | 44.4 | 22.0 | 22.2 | 25.7 | 33.4 | 47.9 | 72.9 | 128.2 | 142.0 | 147.7 | 883.8 |
| 1995-1996 | 105.1 | 72.4 | 36.4 | 23.5 | 19.2 | 26.6 | 32.8 | 47.5 | 88.7 | 139.6 | 160.2 | 172.8 | 924.8 |
| 1996-1997 | 110.1 | 74.4 | 60.4 | 36.1 | 22.6 | 19.1 | 26.1 | 40.3 | 78.3 | 131.2 | 158.8 | 143.8 | 901.2 |
| 1997-1998 | 99.8 | 75.7 | 51.9 | 27.8 | 20.3 | 25.4 | 28.4 | 55.0 | 72.0 | 129.9 | 157.3 | 174.1 | 917.8 |
| 1998-1999 | 95.0 | 72.0 | 50.8 | 28.3 | 22.7 | 25.2 | 33.0 | 49.7 | 81.9 | 122.4 | 140.5 | 150.3 | 871.9 |
| 1999-2000 | 97.9 | 78.4 | 47.8 | 29.7 | 16.0 | 21.1 | 26.9 | 50.8 | 79.1 | 140.2 | 153.5 | 150.9 | 892.3 |
| 2000-2001 | 101.1 | 70.3 | 50.4 | 24.6 | 20.5 | 24.1 | 40.9 | 54.1 | 79.6 | 117.3 | 139.9 | 155.7 | 878.6 |
| 2001-2002 | 103.8 | 78.9 | 44.8 | 25.4 | 15.2 | 26.7 | 36.1 | 49.6 | 76.1 | 124.9 | 152.6 | 149.0 | 882.9 |
| 2002-2003 | 101.3 | 77.9 | 55.0 | 20.8 | 23.8 | 18.4 | 26.1 | 48.1 | 90.0 | 128.9 | 150.2 | 158.6 | 899.0 |
| 2003-2004 | 108.9 | 77.4 | 48.5 | 24.8 | 17.3 | 20.7 | 35.1 | 53.8 | 79.9 | 133.7 | 162.2 | 169.6 | 932.0 |
| 2004-2005 | 110.6 | 88.8 | 50.9 | 22.8 | 20.8 | 20.6 | 34.3 | 53.4 | 79.9 | 123.5 | 153.2 | 160.1 | 918.8 |
| 2005-2006 | 109.1 | 69.9 | 40.1 | 26.9 | 18.1 | 23.3 | 34.0 | 58.6 | 82.8 | 130.3 | 157.6 | 171.8 | 922.4 |
| 2006-2007 | 109.5 | 75.1 | 41.4 | 24.0 | 19.6 | 23.0 | 33.7 | 50.8 | 78.1 | 135.1 | 154.6 | 158.6 | 903.5 |
| 2007-2008 | 97.4 | 77.2 | 46.9 | 23.7 | 16.5 | 19.2 | 37.0 | 55.3 | 78.3 | 133.1 | 149.0 | 161.5 | 895.3 |
| 2008-2009 | 102.9 | 72.9 | 58.2 | 27.3 | 20.0 | 22.4 | 29.8 | 49.5 | 74.0 | 129.7 | 146.3 | 150.4 | 883.3 |
| 2009-2010 | 95.9 | 75.9 | 45.4 | 27.8 | 22.3 | 24.4 | 34.9 | 55.4 | 77.7 | 119.0 | 137.5 | 167.1 | 883.3 |
| 2010-2011 | 106.3 | 74.1 | 55.6 | 32.7 | 20.0 | 22.8 | 31.0 | 47.2 | 71.9 | 120.7 | 143.0 | 152.9 | 878.3 |
| 2011-2012 | 113.2 | 73.6 | 37.7 | 24.2 | 17.6 | 19.8 | 28.4 | 54.1 | 79.6 | 136.3 | 171.3 | 180.6 | 936.4 |
| 2012-2013 | 100.0 | 72.8 | 51.1 | 25.2 | 18.4 | 25.9 | 32.9 | 53.6 | 83.2 | 120.0 | 142.9 | 152.8 | 878.9 |
| 2013-2014 | 104.3 | 66.9 | 55.1 | 21.2 | 24.5 | 26.8 | 37.1 | 56.0 | 76.6 | 125.6 | 145.6 | 162.0 | 901.7 |
| 2014-2015 | 109.8 | 77.0 | 46.2 | 32.3 | 19.1 | 22.2 | 36.0 | 48.1 | 81.5 | 118.4 | 148.9 | 171.8 | 911.2 |
| AVERAGE | 109.2 | 78.8 | 48.3 | 26.0 | 19.8 | 22.5 | 32.5 | 54.3 | 82.2 | 135.6 | 159.1 | 169.8 | |

**Table A. 78** Girne station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 175.5 | 172 | 143 | 137.5 | 131 | 119.9 | 139 | 141.3 | 163.2 | 176 | 193.3 | 191.8 | 1883.6 |
| 1979-1980 | 181.6 | 177.6 | 156 | 134.7 | 122.1 | 113 | 133.3 | 139.8 | 159.5 | 178.5 | 196.3 | 211.4 | 1903.8 |
| 1980-1981 | 181.9 | 170.5 | 147.6 | 138.6 | 127.5 | 117.4 | 145.5 | 153.2 | 166.9 | 197.5 | 210.5 | 210.6 | 1967.7 |
| 1981-1982 | 193.9 | 184.3 | 142.7 | 142.8 | 133.4 | 112.6 | 131.1 | 145.2 | 164.1 | 177.6 | 192.3 | 196.6 | 1916.4 |
| 1982-1983 | 182.3 | 171.9 | 138 | 131.5 | 121.7 | 111.7 | 132 | 143.3 | 166.9 | 175.2 | 193.6 | 194.1 | 1862.5 |
| 1983-1984 | 178.4 | 166.3 | 151 | 140.1 | 133.2 | 120.9 | 139.9 | 143.7 | 170.8 | 178.6 | 195.3 | 192.8 | 1911.0 |
| 1984-1985 | 179.1 | 172 | 140.5 | 129.8 | 133.9 | 111.4 | 133.5 | 145.6 | 169.3 | 178 | 196.8 | 199.3 | 1889.2 |
| 1985-1986 | 182 | 166.2 | 150.2 | 137.5 | 133.3 | 121.4 | 141.3 | 152.6 | 164 | 180.1 | 194 | 195.8 | 1918.4 |
| 1986-1987 | 183.1 | 168.6 | 137.9 | 132.4 | 133.1 | 122.2 | 125.4 | 142 | 160.7 | 177.4 | 199.2 | 198.4 | 1880.3 |
| 1987-1988 | 182.2 | 166.8 | 142.3 | 135.4 | 129.6 | 116.2 | 135.7 | 145.6 | 169.4 | 180.1 | 206.2 | 201.2 | 1910.7 |
| 1988-1989 | 182.5 | 167.2 | 138.1 | 132.9 | 119.6 | 114.7 | 138.7 | 154.1 | 172.6 | 177.1 | 199 | 197.9 | 1894.3 |
| 1989-1990 | 182.4 | 170.7 | 149.2 | 140.8 | 128.7 | 120.4 | 141.9 | 148.6 | 169.5 | 180.1 | 198.5 | 199.8 | 1930.7 |
| 1990-1991 | 183.2 | 178.4 | 155.9 | 146.2 | 134.5 | 120.3 | 144.9 | 150.3 | 166.7 | 180 | 195.9 | 198.8 | 1955.0 |
| 1991-1992 | 183.3 | 178.6 | 151.6 | 134 | 127.7 | 108.5 | 134.5 | 144.8 | 164.7 | 177.3 | 194 | 201.7 | 1900.9 |
| 1992-1993 | 183.1 | 175.8 | 149.2 | 130.3 | 129.8 | 114 | 134.8 | 144.6 | 161.6 | 181.6 | 200.4 | 203.5 | 1908.6 |
| 1993-1994 | 184.1 | 184.3 | 149.6 | 148.3 | 142.8 | 125.9 | 143.6 | 154.7 | 173.9 | 183.8 | 198.4 | 204.4 | 1993.9 |
| 1994-1995 | 193.5 | 189.8 | 153.5 | 140.3 | 141.1 | 127.6 | 146.4 | 149.4 | 170.6 | 187.2 | 202.7 | 203.6 | 2005.8 |
| 1995-1996 | 187.4 | 176 | 144.5 | 140.1 | 134.5 | 126.5 | 143.4 | 146.5 | 176.5 | 187.7 | 205.6 | 208.3 | 1977.1 |
| 1996-1997 | 191.2 | 178.3 | 162.4 | 154.8 | 140.2 | 118.8 | 137.1 | 141.9 | 171.5 | 185.5 | 206.4 | 198.9 | 1987.1 |
| 1997-1998 | 184.4 | 178 | 155.9 | 145 | 136.1 | 125.2 | 138.9 | 151.6 | 166.7 | 183.7 | 204.4 | 208.6 | 1978.5 |
| 1998-1999 | 187.1 | 180.5 | 159.2 | 149.1 | 142.7 | 127.9 | 146.9 | 151.7 | 177.4 | 186.1 | 203.7 | 206.2 | 2018.4 |
| 1999-2000 | 188.2 | 184.3 | 156.6 | 150.3 | 131.9 | 122.8 | 139.9 | 152.1 | 175.1 | 192.8 | 208.5 | 205.8 | 2008.4 |
| 2000-2001 | 189.8 | 178.7 | 158.3 | 144.1 | 139 | 126.2 | 154 | 154.3 | 175.2 | 183.1 | 202.5 | 207.3 | 2012.4 |
| 2001-2002 | 191.9 | 185 | 154.6 | 145.3 | 130.6 | 129.3 | 149.8 | 151.4 | 173.6 | 186.9 | 208.5 | 205.4 | 2012.2 |
| 2002-2003 | 188.8 | 182.6 | 160.6 | 138.4 | 143.1 | 118.8 | 138.4 | 149.2 | 180.3 | 186.8 | 205.5 | 207.1 | 1999.7 |
| 2003-2004 | 187.7 | 177.7 | 152.5 | 140.7 | 130.8 | 119.4 | 144.7 | 149.8 | 170.1 | 183.7 | 204.5 | 205.3 | 1967.2 |
| 2004-2005 | 189.2 | 185 | 154.5 | 138.5 | 136.3 | 119.6 | 144.3 | 149.9 | 170.6 | 180.3 | 201.7 | 202.6 | 1972.4 |
| 2005-2006 | 189.1 | 174.1 | 147.2 | 143.9 | 132.6 | 122.9 | 144.4 | 153.8 | 172.9 | 183.7 | 204.2 | 207.5 | 1976.2 |
| 2006-2007 | 192.3 | 180 | 150.1 | 142 | 136.4 | 123.9 | 145.8 | 150.5 | 172.5 | 188.4 | 206.2 | 206 | 1994.0 |
| 2007-2008 | 187.6 | 183.2 | 155.7 | 142.8 | 132.5 | 120.3 | 150.3 | 155 | 174.3 | 189.6 | 206.2 | 209.4 | 2006.8 |
| 2008-2009 | 191 | 180.6 | 163.7 | 147.4 | 138.3 | 124.3 | 143.1 | 151.1 | 171.9 | 188.5 | 205.4 | 205.5 | 2010.7 |
| 2009-2010 | 186.3 | 181.8 | 154.2 | 147.6 | 141.2 | 126.2 | 148 | 154.7 | 173.5 | 183.3 | 200.8 | 211 | 2008.6 |
| 2010-2011 | 192.7 | 181.2 | 161.9 | 153.5 | 138.1 | 124.8 | 144.4 | 149.3 | 170.4 | 184.5 | 203.8 | 206.2 | 2010.9 |
| 2011-2012 | 191.3 | 176.5 | 145.4 | 140.7 | 131.9 | 119 | 138.8 | 150.9 | 171 | 186.1 | 209.5 | 210.7 | 1971.7 |
| 2012-2013 | 189.8 | 180.9 | 159.3 | 145.1 | 136 | 128.5 | 146.7 | 154.2 | 177.9 | 184.8 | 204.4 | 206.9 | 2014.5 |
| 2013-2014 | 187.9 | 173.1 | 158.8 | 137.6 | 142.6 | 127.3 | 148.2 | 152.9 | 170.3 | 183.1 | 200.8 | 205.6 | 1988.3 |
| 2014-2015 | 189.6 | 178.7 | 151.9 | 149.9 | 134.2 | 121.8 | 146.4 | 146.9 | 172.2 | 179 | 200.9 | 207.8 | 1979.3 |
| AVERAGE | 186.4 | 177.2 | 151.5 | 141.4 | 133.8 | 120.9 | 141.5 | 149.1 | 170.2 | 183.1 | 201.6 | 203.6 | |

**Table A. 79** Girne station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 134.8 | 63.57 | 48.13 | 43.95 | 43.1 | 42.86 | 54.64 | 114.9 | 142.3 | 158.9 | 171.7 | 160.3 | 1179.3 |
| 1979-1980 | 139.5 | 65.63 | 52.52 | 43.04 | 40.18 | 40.39 | 52.38 | 113.6 | 139.1 | 161.2 | 174.3 | 176.8 | 1198.7 |
| 1980-1981 | 139.7 | 63 | 49.67 | 44.29 | 41.93 | 41.94 | 57.19 | 124.6 | 145.6 | 178.4 | 187 | 176 | 1249.3 |
| 1981-1982 | 148.9 | 68.12 | 48.02 | 45.65 | 43.87 | 40.24 | 51.53 | 118.1 | 143.1 | 160.4 | 170.8 | 164.3 | 1203.1 |
| 1982-1983 | 140.1 | 63.52 | 46.45 | 42.03 | 40.05 | 39.92 | 51.89 | 116.5 | 145.6 | 158.2 | 172 | 162.3 | 1178.6 |
| 1983-1984 | 137 | 61.47 | 50.82 | 44.77 | 43.83 | 43.23 | 55 | 116.8 | 149 | 161.3 | 173.5 | 161.2 | 1197.8 |
| 1984-1985 | 137.6 | 63.58 | 47.29 | 41.47 | 44.06 | 39.81 | 52.44 | 118.4 | 147.6 | 160.7 | 174.9 | 166.6 | 1194.5 |
| 1985-1986 | 139.8 | 61.43 | 50.54 | 43.95 | 43.87 | 43.41 | 55.54 | 124 | 143 | 162.7 | 172.3 | 163.6 | 1204.2 |
| 1986-1987 | 140.6 | 62.29 | 46.4 | 42.31 | 43.77 | 43.69 | 49.28 | 115.4 | 140.2 | 160.2 | 176.9 | 165.8 | 1187.0 |
| 1987-1988 | 140 | 61.63 | 47.89 | 43.29 | 42.62 | 41.53 | 53.3 | 118.4 | 147.8 | 162.7 | 183.2 | 168.2 | 1210.5 |
| 1988-1989 | 140.2 | 61.79 | 46.48 | 42.46 | 39.33 | 41 | 54.49 | 125.3 | 150.5 | 159.9 | 176.8 | 165.4 | 1203.7 |
| 1989-1990 | 140.1 | 63.08 | 50.24 | 45.01 | 42.35 | 43.03 | 55.74 | 120.8 | 147.8 | 162.7 | 176.4 | 167 | 1214.3 |
| 1990-1991 | 140.7 | 65.94 | 52.48 | 46.73 | 44.25 | 43 | 56.96 | 122.2 | 145.4 | 162.5 | 174 | 166.2 | 1220.4 |
| 1991-1992 | 140.8 | 66 | 51.04 | 42.84 | 42.02 | 38.8 | 52.87 | 117.8 | 143.7 | 160.1 | 172.4 | 168.6 | 1196.9 |
| 1992-1993 | 140.7 | 64.95 | 50.21 | 41.65 | 42.69 | 40.73 | 52.98 | 117.5 | 140.9 | 164 | 178 | 170.1 | 1204.5 |
| 1993-1994 | 141.4 | 68.12 | 50.35 | 47.4 | 46.99 | 44.99 | 56.43 | 125.8 | 151.7 | 166 | 176.2 | 170.9 | 1246.3 |
| 1994-1995 | 148.7 | 70.15 | 51.65 | 44.84 | 46.42 | 45.63 | 57.55 | 121.5 | 148.8 | 169 | 180.1 | 170.2 | 1254.5 |
| 1995-1996 | 143.9 | 65.03 | 48.65 | 44.77 | 44.25 | 45.23 | 56.38 | 119.1 | 154 | 169.5 | 182.7 | 174.2 | 1247.8 |
| 1996-1997 | 146.9 | 65.89 | 54.67 | 49.46 | 46.12 | 42.47 | 53.89 | 115.4 | 149.6 | 167.6 | 183.4 | 166.3 | 1241.6 |
| 1997-1998 | 141.6 | 65.78 | 52.49 | 46.35 | 44.77 | 44.77 | 54.61 | 123.3 | 145.4 | 166 | 181.5 | 174.4 | 1240.9 |
| 1998-1999 | 143.8 | 66.71 | 53.6 | 47.65 | 46.95 | 45.71 | 57.74 | 123.3 | 154.7 | 168.1 | 180.9 | 172.3 | 1261.5 |
| 1999-2000 | 144.6 | 68.1 | 52.7 | 48.05 | 43.38 | 43.92 | 55 | 123.7 | 152.8 | 174.2 | 185.2 | 172 | 1263.6 |
| 2000-2001 | 145.8 | 66.02 | 53.29 | 46.04 | 45.71 | 45.12 | 60.54 | 125.4 | 152.8 | 165.4 | 179.9 | 173.3 | 1259.3 |
| 2001-2002 | 147.4 | 68.35 | 52.03 | 46.45 | 42.97 | 46.22 | 58.89 | 123.1 | 151.4 | 168.8 | 185.3 | 171.7 | 1262.6 |
| 2002-2003 | 145 | 67.49 | 54.07 | 44.21 | 47.08 | 42.48 | 54.39 | 121.3 | 157.3 | 168.8 | 182.6 | 173.1 | 1257.8 |
| 2003-2004 | 144.2 | 65.66 | 51.35 | 44.98 | 43.04 | 42.69 | 56.88 | 121.8 | 148.4 | 166 | 181.7 | 171.6 | 1238.3 |
| 2004-2005 | 145.3 | 68.36 | 52.02 | 44.27 | 44.85 | 42.75 | 56.71 | 121.8 | 148.8 | 162.8 | 179.2 | 169.3 | 1236.3 |
| 2005-2006 | 145.3 | 64.32 | 49.56 | 45.99 | 43.63 | 43.93 | 56.74 | 125 | 150.8 | 165.9 | 181.4 | 173.5 | 1246.0 |
| 2006-2007 | 147.7 | 66.5 | 50.52 | 45.4 | 44.87 | 44.3 | 57.31 | 122.3 | 150.5 | 170.1 | 183.2 | 172.2 | 1254.9 |
| 2007-2008 | 144.1 | 67.68 | 52.39 | 45.64 | 43.6 | 43.02 | 59.08 | 126 | 152 | 171.2 | 183.2 | 175 | 1263.0 |
| 2008-2009 | 146.7 | 66.73 | 55.12 | 47.12 | 45.5 | 44.43 | 56.26 | 122.8 | 149.9 | 170.3 | 182.5 | 171.8 | 1259.1 |
| 2009-2010 | 143.1 | 67.2 | 51.91 | 47.17 | 46.46 | 45.12 | 58.17 | 125.8 | 151.4 | 165.5 | 178.3 | 176.4 | 1256.5 |
| 2010-2011 | 148 | 66.97 | 54.51 | 49.06 | 45.44 | 44.6 | 56.74 | 121.4 | 148.6 | 166.7 | 181.1 | 172.4 | 1255.5 |
| 2011-2012 | 146.9 | 65.21 | 48.93 | 44.98 | 43.38 | 42.52 | 54.54 | 122.7 | 149.2 | 168.1 | 186.1 | 176.1 | 1248.7 |
| 2012-2013 | 145.8 | 66.84 | 53.6 | 46.38 | 44.75 | 45.94 | 57.63 | 125.4 | 155.2 | 166.9 | 181.6 | 173 | 1263.1 |
| 2013-2014 | 144.3 | 63.99 | 53.46 | 43.97 | 46.92 | 45.5 | 58.23 | 124.4 | 148.6 | 165.4 | 178.4 | 171.8 | 1244.9 |
| 2014-2015 | 145.7 | 66.04 | 51.14 | 47.91 | 44.16 | 43.52 | 57.53 | 119.4 | 150.2 | 161.7 | 178.5 | 173.7 | 1239.5 |
| AVERAGE | 143.2 | 65.5 | 51.0 | 45.2 | 44.0 | 43.2 | 55.6 | 121.2 | 148.5 | 165.4 | 179.1 | 170.2 | |

**Table A. 80** Girne station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 121.7 | 97.34 | 60.48 | 47.17 | 47.71 | 53.7 | 86.93 | 104.9 | 136.7 | 155 | 164 | 150.6 | 1226.2 |
| 1979-1980 | 125.1 | 100.5 | 67.79 | 45.59 | 42.74 | 49.84 | 83.7 | 104 | 134.6 | 156.4 | 165.7 | 161.6 | 1237.6 |
| 1980-1981 | 125.3 | 96.49 | 63.05 | 47.8 | 45.75 | 52.29 | 90.56 | 111.5 | 138.8 | 167.1 | 173.7 | 161.1 | 1273.4 |
| 1981-1982 | 132 | 104.2 | 60.29 | 50.14 | 49.03 | 49.59 | 82.48 | 107 | 137.2 | 155.9 | 163.5 | 153.3 | 1244.6 |
| 1982-1983 | 125.5 | 97.27 | 57.69 | 43.82 | 42.52 | 49.11 | 83 | 106 | 138.8 | 154.5 | 164.2 | 151.9 | 1214.4 |
| 1983-1984 | 123.3 | 94.15 | 64.97 | 48.63 | 48.96 | 54.29 | 87.44 | 106.2 | 140.9 | 156.4 | 165.1 | 151.2 | 1241.6 |
| 1984-1985 | 123.7 | 97.35 | 59.08 | 42.84 | 49.36 | 48.93 | 83.8 | 107.3 | 140.1 | 156.1 | 166 | 154.8 | 1229.3 |
| 1985-1986 | 125.3 | 94.1 | 64.49 | 47.18 | 49.03 | 54.58 | 88.19 | 111.2 | 137.1 | 157.3 | 164.4 | 152.8 | 1245.7 |
| 1986-1987 | 125.9 | 95.4 | 57.6 | 44.31 | 48.87 | 55 | 79.28 | 105.2 | 135.3 | 155.8 | 167.3 | 154.3 | 1224.3 |
| 1987-1988 | 125.4 | 94.41 | 60.08 | 46.01 | 46.91 | 51.63 | 85.03 | 107.3 | 140.2 | 157.3 | 171.2 | 155.9 | 1241.4 |
| 1988-1989 | 125.6 | 94.64 | 57.74 | 44.58 | 41.3 | 50.78 | 86.71 | 112 | 141.9 | 155.6 | 167.2 | 154.1 | 1232.2 |
| 1989-1990 | 125.6 | 96.6 | 63.99 | 49.03 | 46.45 | 53.98 | 88.5 | 109 | 140.2 | 157.3 | 167 | 155.1 | 1252.6 |
| 1990-1991 | 126 | 100.9 | 67.71 | 52.04 | 49.66 | 53.92 | 90.23 | 109.9 | 138.7 | 157.2 | 165.5 | 154.5 | 1266.2 |
| 1991-1992 | 126.1 | 101 | 65.31 | 45.23 | 45.88 | 47.33 | 84.39 | 106.8 | 137.5 | 155.7 | 164.4 | 156.2 | 1235.9 |
| 1992-1993 | 126 | 99.45 | 63.94 | 43.15 | 47.02 | 50.37 | 84.55 | 106.7 | 135.8 | 158.1 | 168 | 157.2 | 1240.2 |
| 1993-1994 | 126.5 | 104.2 | 64.19 | 53.23 | 54.35 | 57.06 | 89.47 | 112.4 | 142.7 | 159.3 | 166.9 | 157.7 | 1288.0 |
| 1994-1995 | 131.8 | 107.3 | 66.35 | 48.75 | 53.36 | 58.04 | 91.07 | 109.4 | 140.8 | 161.2 | 169.3 | 157.2 | 1294.7 |
| 1995-1996 | 128.4 | 99.57 | 61.34 | 48.61 | 49.66 | 57.43 | 89.4 | 107.8 | 144.1 | 161.5 | 170.9 | 159.9 | 1278.6 |
| 1996-1997 | 130.5 | 100.9 | 71.36 | 56.85 | 52.85 | 53.09 | 85.84 | 105.2 | 141.3 | 160.3 | 171.4 | 154.6 | 1284.2 |
| 1997-1998 | 126.7 | 100.7 | 67.73 | 51.38 | 50.57 | 56.69 | 86.87 | 110.6 | 138.6 | 159.3 | 170.2 | 160 | 1279.4 |
| 1998-1999 | 128.2 | 102.1 | 69.58 | 53.65 | 54.27 | 58.18 | 91.34 | 110.7 | 144.6 | 160.6 | 169.8 | 158.7 | 1301.8 |
| 1999-2000 | 128.8 | 104.2 | 68.09 | 54.37 | 48.2 | 55.36 | 87.44 | 110.9 | 143.4 | 164.4 | 172.5 | 158.4 | 1296.2 |
| 2000-2001 | 129.7 | 101.1 | 69.06 | 50.85 | 52.18 | 57.25 | 95.34 | 112.1 | 143.4 | 159 | 169.2 | 159.3 | 1298.4 |
| 2001-2002 | 130.9 | 104.6 | 66.97 | 51.55 | 47.49 | 58.97 | 92.97 | 110.5 | 142.5 | 161.1 | 172.6 | 158.2 | 1298.3 |
| 2002-2003 | 129.1 | 103.3 | 70.36 | 47.65 | 54.5 | 53.11 | 86.57 | 109.3 | 146.3 | 161.1 | 170.9 | 159.2 | 1291.3 |
| 2003-2004 | 128.6 | 100.5 | 65.83 | 48.98 | 47.63 | 53.44 | 90.1 | 109.6 | 140.6 | 159.3 | 170.3 | 158.2 | 1273.1 |
| 2004-2005 | 129.4 | 104.6 | 66.95 | 47.74 | 50.69 | 53.54 | 89.87 | 109.6 | 140.8 | 157.4 | 168.7 | 156.7 | 1276.0 |
| 2005-2006 | 129.3 | 98.5 | 62.86 | 50.74 | 48.61 | 55.39 | 89.92 | 111.8 | 142.1 | 159.3 | 170.1 | 159.4 | 1278.1 |
| 2006-2007 | 131.1 | 101.8 | 64.48 | 49.72 | 50.73 | 55.97 | 90.71 | 110 | 141.9 | 161.9 | 171.3 | 158.6 | 1288.1 |
| 2007-2008 | 128.5 | 103.6 | 67.58 | 50.14 | 48.57 | 53.96 | 93.25 | 112.5 | 142.9 | 162.6 | 171.2 | 160.5 | 1295.3 |
| 2008-2009 | 130.4 | 102.1 | 72.12 | 52.72 | 51.8 | 56.17 | 89.23 | 110.3 | 141.6 | 162 | 170.8 | 158.3 | 1297.5 |
| 2009-2010 | 127.7 | 102.8 | 66.76 | 52.83 | 53.45 | 57.25 | 91.94 | 112.4 | 142.5 | 159.1 | 168.2 | 161.4 | 1296.3 |
| 2010-2011 | 131.3 | 102.5 | 71.1 | 56.13 | 51.71 | 56.43 | 89.92 | 109.3 | 140.7 | 159.8 | 169.9 | 158.7 | 1297.6 |
| 2011-2012 | 130.6 | 99.83 | 61.82 | 48.98 | 48.2 | 53.18 | 86.78 | 110.2 | 141.1 | 160.6 | 173.1 | 161.2 | 1275.6 |
| 2012-2013 | 129.7 | 102.3 | 69.59 | 51.42 | 50.53 | 58.53 | 91.2 | 112.1 | 144.9 | 159.9 | 170.3 | 159.1 | 1299.6 |
| 2013-2014 | 128.7 | 97.97 | 69.36 | 47.23 | 54.22 | 57.85 | 92.05 | 111.4 | 140.7 | 159 | 168.3 | 158.3 | 1284.9 |
| 2014-2015 | 129.6 | 101.1 | 65.49 | 54.13 | 49.52 | 54.75 | 91.04 | 108 | 141.7 | 156.7 | 168.3 | 159.6 | 1279.9 |
| AVERAGE | 127.8 | 100.3 | 65.2 | 49.3 | 49.3 | 54.2 | 88.3 | 109.2 | 140.6 | 158.9 | 168.7 | 157.2 | |

**Table A. 81** Gonendere station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 98.2 | 69.8 | 34.2 | 29.1 | 26.9 | 32.5 | 48.2 | 68.6 | 104.9 | 149.2 | 169.9 | 144.0 | 975.5 |
| 1979-1980 | 103.6 | 66.3 | 41.3 | 26.7 | 23.8 | 26.5 | 42.8 | 62.4 | 102.2 | 147.2 | 173.8 | 159.2 | 975.8 |
| 1980-1981 | 95.4 | 67.0 | 40.0 | 26.9 | 25.4 | 28.9 | 46.4 | 67.9 | 94.2 | 154.3 | 170.5 | 140.6 | 957.8 |
| 1981-1982 | 101.3 | 72.7 | 33.7 | 29.8 | 26.2 | 25.5 | 39.8 | 64.7 | 101.1 | 144.8 | 159.3 | 152.3 | 951.2 |
| 1982-1983 | 106.0 | 65.6 | 32.9 | 24.8 | 22.4 | 26.1 | 42.9 | 66.0 | 108.1 | 135.3 | 167.8 | 144.5 | 942.4 |
| 1983-1984 | 99.6 | 61.4 | 40.3 | 28.7 | 28.1 | 31.8 | 46.3 | 62.2 | 110.9 | 144.0 | 170.1 | 138.4 | 961.7 |
| 1984-1985 | 88.0 | 65.4 | 32.8 | 24.6 | 27.4 | 25.9 | 42.9 | 68.3 | 114.6 | 143.1 | 168.9 | 174.9 | 976.7 |
| 1985-1986 | 111.2 | 64.0 | 42.7 | 28.9 | 25.8 | 30.1 | 46.9 | 75.7 | 96.9 | 147.9 | 169.4 | 144.1 | 983.7 |
| 1986-1987 | 104.7 | 61.4 | 31.5 | 25.4 | 24.2 | 31.1 | 37.4 | 61.5 | 99.2 | 136.2 | 180.0 | 151.4 | 943.9 |
| 1987-1988 | 99.9 | 58.6 | 35.0 | 25.9 | 25.1 | 27.9 | 41.4 | 67.7 | 111.1 | 145.5 | 192.6 | 154.1 | 984.9 |
| 1988-1989 | 101.8 | 59.8 | 31.6 | 25.4 | 22.6 | 27.7 | 46.7 | 84.7 | 115.4 | 137.7 | 175.0 | 145.5 | 974.0 |
| 1989-1990 | 97.3 | 60.6 | 37.1 | 27.3 | 23.4 | 28.3 | 45.2 | 67.5 | 104.4 | 139.3 | 162.1 | 147.1 | 939.6 |
| 1990-1991 | 94.3 | 65.4 | 38.0 | 27.5 | 24.9 | 26.8 | 47.7 | 66.9 | 97.7 | 142.5 | 157.7 | 139.2 | 928.6 |
| 1991-1992 | 95.6 | 65.6 | 35.2 | 22.6 | 21.0 | 21.0 | 34.5 | 58.4 | 95.5 | 126.2 | 148.0 | 154.3 | 877.8 |
| 1992-1993 | 94.0 | 64.6 | 34.5 | 21.4 | 22.9 | 24.2 | 40.8 | 62.7 | 86.7 | 144.2 | 168.1 | 155.0 | 919.1 |
| 1993-1994 | 98.8 | 77.4 | 33.0 | 26.7 | 26.3 | 28.0 | 42.9 | 71.3 | 107.8 | 143.0 | 161.3 | 149.0 | 965.5 |
| 1994-1995 | 110.3 | 69.4 | 31.5 | 21.7 | 24.1 | 29.4 | 44.9 | 62.5 | 108.8 | 150.6 | 171.5 | 148.9 | 973.6 |
| 1995-1996 | 97.4 | 61.9 | 30.1 | 24.0 | 22.8 | 28.1 | 41.4 | 58.1 | 112.0 | 148.1 | 174.7 | 149.5 | 948.1 |
| 1996-1997 | 94.2 | 58.6 | 37.2 | 27.9 | 25.8 | 25.3 | 37.3 | 52.4 | 107.4 | 145.9 | 176.7 | 130.1 | 918.6 |
| 1997-1998 | 91.0 | 60.5 | 36.8 | 25.7 | 23.3 | 27.9 | 42.1 | 72.2 | 103.5 | 153.2 | 187.8 | 168.7 | 992.7 |
| 1998-1999 | 101.0 | 68.2 | 40.1 | 27.2 | 26.7 | 28.2 | 46.5 | 68.5 | 122.4 | 155.6 | 190.3 | 156.8 | 1031.4 |
| 1999-2000 | 106.7 | 69.7 | 39.0 | 29.7 | 23.2 | 28.4 | 42.9 | 69.5 | 108.2 | 158.9 | 193.3 | 159.1 | 1028.5 |
| 2000-2001 | 107.4 | 63.5 | 40.2 | 26.8 | 26.2 | 29.6 | 54.3 | 70.2 | 113.5 | 150.6 | 177.8 | 154.8 | 1015.0 |
| 2001-2002 | 101.6 | 65.1 | 35.7 | 25.5 | 22.4 | 30.3 | 46.7 | 61.8 | 99.3 | 148.1 | 181.7 | 151.7 | 969.7 |
| 2002-2003 | 100.0 | 65.8 | 40.2 | 24.5 | 27.7 | 25.7 | 40.2 | 65.7 | 129.7 | 156.1 | 192.1 | 169.2 | 1036.8 |
| 2003-2004 | 103.2 | 70.7 | 39.3 | 26.8 | 25.0 | 28.2 | 49.4 | 69.3 | 105.4 | 152.1 | 187.9 | 149.3 | 1006.5 |
| 2004-2005 | 106.2 | 72.1 | 37.7 | 24.6 | 25.4 | 27.0 | 46.3 | 68.2 | 107.7 | 141.0 | 180.8 | 152.9 | 989.9 |
| 2005-2006 | 105.7 | 59.8 | 33.1 | 26.3 | 24.8 | 29.9 | 47.8 | 73.6 | 108.0 | 153.1 | 174.3 | 159.6 | 996.1 |
| 2006-2007 | 104.8 | 63.4 | 33.1 | 23.9 | 24.1 | 28.7 | 45.1 | 63.5 | 110.9 | 159.8 | 190.6 | 156.2 | 1004.0 |
| 2007-2008 | 105.3 | 71.3 | 38.8 | 26.2 | 23.3 | 27.2 | 55.9 | 75.8 | 110.2 | 160.1 | 185.8 | 165.8 | 1045.7 |
| 2008-2009 | 100.8 | 62.9 | 40.1 | 27.1 | 25.9 | 29.9 | 44.4 | 68.8 | 106.7 | 162.3 | 181.9 | 154.3 | 1005.2 |
| 2009-2010 | 96.5 | 71.4 | 36.7 | 31.3 | 30.1 | 32.7 | 50.2 | 72.6 | 111.2 | 140.6 | 168.2 | 172.1 | 1013.7 |
| 2010-2011 | 108.6 | 68.5 | 43.4 | 31.1 | 26.4 | 29.7 | 46.0 | 64.6 | 100.4 | 144.2 | 177.5 | 158.3 | 998.6 |
| 2011-2012 | 107.1 | 61.7 | 32.4 | 25.8 | 24.2 | 26.8 | 42.4 | 70.4 | 101.7 | 154.5 | 192.9 | 164.4 | 1004.5 |
| 2012-2013 | 105.0 | 68.3 | 40.2 | 28.1 | 25.7 | 31.8 | 48.8 | 73.6 | 119.9 | 147.7 | 171.3 | 162.5 | 1022.9 |
| 2013-2014 | 100.4 | 61.1 | 41.3 | 25.1 | 28.9 | 31.3 | 50.2 | 70.3 | 102.0 | 145.8 | 165.5 | 152.6 | 974.5 |
| 2014-2015 | 98.0 | 62.1 | 35.5 | 29.5 | 24.8 | 28.3 | 47.6 | 62.7 | 108.2 | 130.9 | 170.6 | 158.4 | 956.6 |
| AVERAGE | 101.1 | 65.5 | 36.7 | 26.5 | 25.1 | 28.3 | 45.0 | 67.3 | 106.7 | 147.0 | 175.3 | 153.7 | |

**Table A. 82** Gonendere station Thornthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 113.3 | 79.3 | 31.4 | 24.9 | 18.1 | 25.5 | 32.7 | 55.7 | 81.6 | 138.2 | 157.8 | 136.1 | 894.6 |
| 1979-1980 | 127.0 | 76.6 | 47.6 | 21.0 | 13.0 | 14.4 | 25.2 | 47.5 | 81.8 | 141.8 | 168.9 | 158.7 | 923.4 |
| 1980-1981 | 115.3 | 78.7 | 45.4 | 21.7 | 16.2 | 19.4 | 31.5 | 57.7 | 72.7 | 152.2 | 167.3 | 139.6 | 917.8 |
| 1981-1982 | 128.5 | 91.3 | 33.1 | 28.6 | 18.3 | 12.9 | 21.1 | 53.6 | 83.5 | 144.4 | 158.8 | 157.1 | 931.4 |
| 1982-1983 | 144.1 | 82.9 | 33.0 | 18.8 | 11.5 | 14.9 | 27.8 | 59.4 | 97.5 | 139.6 | 178.3 | 156.2 | 964.1 |
| 1983-1984 | 118.3 | 66.7 | 44.7 | 24.7 | 20.8 | 24.6 | 30.3 | 46.4 | 90.7 | 135.3 | 161.8 | 133.0 | 897.3 |
| 1984-1985 | 104.6 | 77.1 | 30.6 | 17.1 | 20.3 | 13.5 | 26.1 | 59.4 | 99.3 | 140.6 | 168.1 | 179.9 | 936.5 |
| 1985-1986 | 129.1 | 67.6 | 47.2 | 23.7 | 15.7 | 20.1 | 29.8 | 65.4 | 70.3 | 132.8 | 152.9 | 132.5 | 887.2 |
| 1986-1987 | 142.8 | 75.3 | 29.9 | 20.1 | 15.2 | 26.1 | 18.4 | 51.1 | 86.0 | 141.7 | 194.4 | 165.6 | 966.5 |
| 1987-1988 | 122.8 | 63.8 | 35.0 | 19.5 | 15.6 | 17.4 | 23.2 | 57.5 | 93.7 | 141.5 | 191.7 | 155.1 | 936.6 |
| 1988-1989 | 126.8 | 66.5 | 27.9 | 18.7 | 11.1 | 17.0 | 32.2 | 87.5 | 99.6 | 132.6 | 173.8 | 146.4 | 940.0 |
| 1989-1990 | 125.3 | 71.3 | 41.7 | 23.8 | 13.1 | 19.3 | 31.1 | 60.4 | 90.1 | 141.2 | 166.7 | 155.2 | 939.3 |
| 1990-1991 | 121.0 | 80.9 | 43.9 | 24.2 | 16.2 | 16.2 | 35.8 | 59.6 | 81.8 | 146.5 | 162.4 | 146.5 | 935.1 |
| 1991-1992 | 153.3 | 100.6 | 46.4 | 16.8 | 10.7 | 6.4 | 16.4 | 54.9 | 96.6 | 153.6 | 185.4 | 202.6 | 1043.9 |
| 1992-1993 | 134.8 | 88.6 | 40.1 | 12.6 | 13.6 | 12.0 | 26.3 | 58.1 | 74.3 | 165.9 | 195.2 | 184.2 | 1005.8 |
| 1993-1994 | 119.5 | 95.7 | 30.2 | 21.0 | 17.9 | 17.2 | 25.4 | 62.9 | 88.7 | 136.7 | 155.1 | 147.6 | 917.7 |
| 1994-1995 | 142.2 | 84.8 | 27.9 | 11.3 | 14.0 | 20.8 | 29.5 | 49.4 | 92.7 | 150.8 | 172.0 | 152.1 | 947.6 |
| 1995-1996 | 132.1 | 77.4 | 27.3 | 17.3 | 12.5 | 19.7 | 25.8 | 45.5 | 104.9 | 160.6 | 191.1 | 166.0 | 980.1 |
| 1996-1997 | 130.7 | 73.4 | 45.6 | 27.2 | 19.4 | 14.0 | 19.3 | 36.1 | 101.9 | 163.1 | 200.2 | 145.7 | 976.6 |
| 1997-1998 | 106.8 | 66.5 | 38.3 | 19.0 | 12.2 | 17.0 | 24.2 | 64.5 | 83.5 | 149.2 | 184.5 | 169.0 | 934.8 |
| 1998-1999 | 108.3 | 70.5 | 40.0 | 19.4 | 16.4 | 15.5 | 27.6 | 51.0 | 94.1 | 134.3 | 165.2 | 138.3 | 880.6 |
| 1999-2000 | 118.1 | 74.0 | 38.5 | 24.5 | 10.8 | 16.2 | 22.7 | 53.4 | 80.4 | 139.9 | 170.7 | 142.8 | 892.1 |
| 2000-2001 | 118.2 | 63.9 | 40.6 | 19.0 | 15.7 | 18.4 | 39.5 | 54.1 | 85.6 | 130.2 | 154.8 | 137.8 | 877.9 |
| 2001-2002 | 127.1 | 76.4 | 36.9 | 18.9 | 10.8 | 22.6 | 32.4 | 47.8 | 80.2 | 146.5 | 182.3 | 154.2 | 936.1 |
| 2002-2003 | 109.9 | 68.7 | 41.2 | 15.0 | 18.7 | 11.7 | 19.1 | 48.1 | 104.1 | 138.4 | 171.4 | 154.1 | 900.3 |
| 2003-2004 | 116.3 | 77.7 | 40.1 | 19.5 | 14.1 | 16.3 | 33.3 | 54.6 | 79.3 | 136.2 | 170.0 | 136.5 | 893.9 |
| 2004-2005 | 126.3 | 83.5 | 38.7 | 16.0 | 15.5 | 14.8 | 29.9 | 55.4 | 85.4 | 129.3 | 170.4 | 146.5 | 911.6 |
| 2005-2006 | 125.7 | 62.8 | 29.3 | 19.5 | 14.5 | 20.4 | 32.2 | 64.3 | 85.9 | 143.7 | 163.7 | 153.6 | 915.5 |
| 2006-2007 | 126.8 | 70.3 | 30.0 | 15.0 | 13.5 | 18.3 | 28.5 | 48.6 | 91.0 | 154.4 | 184.3 | 153.0 | 933.7 |
| 2007-2008 | 111.3 | 73.4 | 36.6 | 17.2 | 10.5 | 13.5 | 40.5 | 60.5 | 79.4 | 135.5 | 157.0 | 143.3 | 878.6 |
| 2008-2009 | 114.1 | 65.8 | 42.2 | 20.4 | 15.9 | 19.7 | 25.9 | 54.4 | 81.6 | 149.1 | 165.9 | 143.2 | 898.3 |
| 2009-2010 | 99.8 | 73.9 | 33.0 | 26.6 | 21.9 | 23.3 | 32.4 | 55.9 | 80.7 | 115.7 | 140.9 | 149.7 | 853.8 |
| 2010-2011 | 121.8 | 72.8 | 47.1 | 27.5 | 16.4 | 18.7 | 27.5 | 46.3 | 72.4 | 125.2 | 156.9 | 143.2 | 875.6 |
| 2011-2012 | 130.6 | 67.6 | 28.6 | 18.9 | 13.7 | 14.7 | 24.3 | 60.4 | 80.2 | 148.6 | 187.1 | 162.1 | 936.8 |
| 2012-2013 | 112.0 | 69.7 | 39.5 | 20.8 | 14.6 | 21.7 | 30.6 | 57.7 | 90.1 | 123.9 | 144.7 | 141.7 | 866.9 |
| 2013-2014 | 116.6 | 64.5 | 45.7 | 16.9 | 21.8 | 23.0 | 35.7 | 58.3 | 78.1 | 134.0 | 152.8 | 145.1 | 892.7 |
| 2014-2015 | 121.3 | 71.0 | 36.4 | 27.6 | 15.3 | 18.5 | 33.9 | 49.5 | 91.4 | 124.8 | 169.9 | 162.0 | 921.6 |
| AVERAGE | 122.8 | 74.9 | 37.6 | 20.4 | 15.3 | 17.7 | 28.3 | 55.5 | 86.8 | 141.0 | 170.1 | 152.3 | |

**Table A. 83** Gonendere station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 175.6 | 170.9 | 134.4 | 134.1 | 124.9 | 117.8 | 134.6 | 142.3 | 163.6 | 179 | 194.1 | 191.9 | 1863.3 |
| 1979-1980 | 179.2 | 167.2 | 147.3 | 128.1 | 116.3 | 104.9 | 126.3 | 135.8 | 161.8 | 178.1 | 195.7 | 199 | 1839.6 |
| 1980-1981 | 173.6 | 167.9 | 145.1 | 128.6 | 120.9 | 110.4 | 132 | 141.6 | 156.1 | 181.3 | 194.3 | 190.3 | 1842.1 |
| 1981-1982 | 177.7 | 173.7 | 133.6 | 135.8 | 123.2 | 102.4 | 121 | 138.2 | 161 | 177 | 189.5 | 195.9 | 1829.0 |
| 1982-1983 | 180.8 | 166.5 | 131.9 | 122.9 | 112.1 | 103.8 | 126.3 | 139.7 | 165.8 | 172.3 | 193.2 | 192.1 | 1807.4 |
| 1983-1984 | 176.5 | 161.8 | 145.6 | 133.1 | 128 | 116.4 | 131.7 | 135.7 | 167.6 | 176.6 | 194.2 | 189.1 | 1856.3 |
| 1984-1985 | 168.1 | 166.3 | 131.6 | 122.3 | 126.2 | 103.3 | 126.5 | 142 | 169.8 | 176.2 | 193.7 | 205.5 | 1831.4 |
| 1985-1986 | 184.1 | 164.7 | 149.7 | 133.5 | 122 | 113 | 132.7 | 149 | 158.1 | 178.4 | 193.8 | 192 | 1871.0 |
| 1986-1987 | 180 | 161.8 | 128.8 | 124.4 | 117.4 | 115 | 116.8 | 134.8 | 159.8 | 172.8 | 198.1 | 195.4 | 1805.1 |
| 1987-1988 | 176.8 | 158.6 | 136.1 | 125.9 | 120 | 108.2 | 123.9 | 141.5 | 167.6 | 177.3 | 202.9 | 196.7 | 1835.4 |
| 1988-1989 | 178.1 | 160.1 | 129.2 | 124.6 | 112.7 | 107.6 | 132.3 | 156.7 | 170.3 | 173.5 | 196.2 | 192.7 | 1833.8 |
| 1989-1990 | 175 | 160.9 | 140.1 | 129.7 | 115 | 109.1 | 130.1 | 141.2 | 163.3 | 174.3 | 190.8 | 193.4 | 1822.7 |
| 1990-1991 | 172.8 | 166.3 | 141.7 | 130 | 119.5 | 105.7 | 133.9 | 140.6 | 158.6 | 175.9 | 188.9 | 189.5 | 1823.3 |
| 1991-1992 | 173.8 | 166.5 | 136.4 | 116.3 | 107.5 | 89.95 | 111.1 | 131.3 | 157 | 167.6 | 184.4 | 196.8 | 1738.6 |
| 1992-1993 | 172.7 | 165.5 | 135.1 | 112.5 | 113.6 | 98.99 | 122.9 | 136.1 | 150.2 | 176.7 | 193.3 | 197.1 | 1774.6 |
| 1993-1994 | 176 | 178.2 | 132 | 128 | 123.4 | 108.2 | 126.4 | 145 | 165.5 | 176.1 | 190.4 | 194.3 | 1843.5 |
| 1994-1995 | 183.5 | 170.5 | 128.9 | 113.3 | 117.1 | 111.4 | 129.6 | 136 | 166.2 | 179.6 | 194.8 | 194.3 | 1825.1 |
| 1995-1996 | 175 | 162.3 | 125.9 | 120.4 | 113.2 | 108.5 | 124 | 131 | 168.2 | 178.5 | 196.1 | 194.6 | 1797.7 |
| 1996-1997 | 172.7 | 158.6 | 140.3 | 131 | 121.9 | 101.8 | 116.6 | 124 | 165.3 | 177.5 | 196.8 | 184.7 | 1791.2 |
| 1997-1998 | 170.4 | 160.8 | 139.5 | 125.4 | 114.9 | 108 | 125.2 | 145.8 | 162.7 | 180.8 | 201.1 | 203.1 | 1837.7 |
| 1998-1999 | 177.5 | 169.2 | 145.4 | 129.2 | 124.3 | 108.7 | 132 | 142.2 | 174.5 | 181.9 | 202 | 197.8 | 1884.8 |
| 1999-2000 | 181.2 | 170.7 | 143.4 | 135.4 | 114.5 | 109.2 | 126.3 | 143.2 | 165.9 | 183.3 | 203.2 | 198.9 | 1875.2 |
| 2000-2001 | 181.6 | 164.2 | 145.5 | 128.4 | 123.1 | 111.9 | 143 | 143.9 | 169.2 | 179.6 | 197.3 | 197 | 1884.7 |
| 2001-2002 | 177.9 | 165.9 | 137.4 | 124.7 | 112 | 113.3 | 132.4 | 135.2 | 159.8 | 178.5 | 198.8 | 195.5 | 1831.4 |
| 2002-2003 | 176.8 | 166.6 | 145.4 | 121.9 | 127.1 | 103 | 121.9 | 139.3 | 178.5 | 182.1 | 202.7 | 203.3 | 1868.7 |
| 2003-2004 | 179 | 171.8 | 143.9 | 128.2 | 119.8 | 108.8 | 136.4 | 143 | 164 | 180.3 | 201.1 | 194.4 | 1870.6 |
| 2004-2005 | 180.9 | 173.1 | 141.1 | 122.2 | 120.9 | 106.1 | 131.9 | 141.9 | 165.5 | 175.1 | 198.5 | 196.1 | 1853.1 |
| 2005-2006 | 180.6 | 160 | 132.2 | 127 | 119.4 | 112.6 | 134 | 147.1 | 165.7 | 180.8 | 195.9 | 199.1 | 1854.2 |
| 2006-2007 | 180 | 164 | 132.3 | 120.2 | 117.4 | 109.8 | 129.9 | 137 | 167.5 | 183.7 | 202.2 | 197.6 | 1841.6 |
| 2007-2008 | 180.3 | 172.3 | 143.1 | 126.7 | 114.7 | 106.4 | 145 | 149.1 | 167.1 | 183.8 | 200.3 | 201.8 | 1890.8 |
| 2008-2009 | 177.4 | 163.5 | 145.3 | 129.1 | 122.4 | 112.5 | 128.8 | 142.5 | 164.8 | 184.8 | 198.9 | 196.8 | 1866.7 |
| 2009-2010 | 174.5 | 172.4 | 139.4 | 139.3 | 132.8 | 118.1 | 137.4 | 146.2 | 167.8 | 175 | 193.3 | 204.4 | 1900.6 |
| 2010-2011 | 182.4 | 169.5 | 150.7 | 138.8 | 123.7 | 112 | 131.3 | 138.2 | 160.6 | 176.7 | 197.2 | 198.6 | 1879.7 |
| 2011-2012 | 181.4 | 162.2 | 130.8 | 125.7 | 117.6 | 105.6 | 125.7 | 144.1 | 161.5 | 181.4 | 203 | 201.2 | 1840.1 |
| 2012-2013 | 180.1 | 169.3 | 145.5 | 131.7 | 121.8 | 116.3 | 135.5 | 147.1 | 173 | 178.3 | 194.6 | 200.4 | 1893.8 |
| 2013-2014 | 177.1 | 161.5 | 147.3 | 123.7 | 129.9 | 115.4 | 137.4 | 143.9 | 161.7 | 177.5 | 192.2 | 196 | 1863.6 |
| 2014-2015 | 175.4 | 162.5 | 137 | 135.1 | 119.3 | 109.1 | 133.6 | 136.2 | 165.8 | 170.1 | 194.4 | 198.6 | 1837.3 |
| AVERAGE | 177.5 | 166.2 | 138.9 | 127.2 | 119.7 | 108.7 | 129.4 | 140.8 | 164.6 | 177.9 | 196.2 | 196.4 | |

**Table A. 84** Gonendere station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.1 | 63.25 | 45.33 | 42.92 | 41.17 | 42.2 | 53 | 115.9 | 143 | 162 | 172.7 | 160.7 | 1177.3 |
| 1979-1980 | 137.9 | 61.89 | 49.66 | 41.01 | 38.31 | 37.55 | 49.72 | 110.6 | 141.4 | 161.2 | 174.1 | 166.6 | 1170.0 |
| 1980-1981 | 133.6 | 62.17 | 48.92 | 41.19 | 39.86 | 39.54 | 51.96 | 115.4 | 136.4 | 164.1 | 172.9 | 159.3 | 1165.3 |
| 1981-1982 | 136.7 | 64.32 | 45.04 | 43.47 | 40.6 | 36.66 | 47.65 | 112.6 | 140.7 | 160.1 | 168.7 | 164 | 1160.6 |
| 1982-1983 | 139.1 | 61.63 | 44.47 | 39.33 | 36.93 | 37.17 | 49.75 | 113.8 | 144.9 | 155.9 | 171.9 | 160.9 | 1155.8 |
| 1983-1984 | 135.9 | 59.91 | 49.1 | 42.61 | 42.18 | 41.7 | 51.85 | 110.5 | 146.4 | 159.8 | 172.8 | 158.4 | 1171.0 |
| 1984-1985 | 129.4 | 61.54 | 44.36 | 39.14 | 41.58 | 36.98 | 49.77 | 115.7 | 148.4 | 159.4 | 172.4 | 172.1 | 1170.8 |
| 1985-1986 | 141.6 | 61 | 50.47 | 42.73 | 40.22 | 40.45 | 52.26 | 121.4 | 138.1 | 161.4 | 172.6 | 160.7 | 1183.0 |
| 1986-1987 | 138.5 | 59.91 | 43.43 | 39.82 | 38.71 | 41.17 | 45.97 | 109.8 | 139.6 | 156.4 | 176.4 | 163.6 | 1153.2 |
| 1987-1988 | 136 | 58.7 | 45.9 | 40.29 | 39.53 | 38.74 | 48.78 | 115.2 | 146.5 | 160.4 | 180.6 | 164.7 | 1175.4 |
| 1988-1989 | 137 | 59.24 | 43.55 | 39.89 | 37.14 | 38.53 | 52.1 | 127.6 | 148.9 | 157 | 174.6 | 161.3 | 1176.8 |
| 1989-1990 | 134.6 | 59.57 | 47.24 | 41.51 | 37.9 | 39.07 | 51.21 | 115 | 142.7 | 157.7 | 169.8 | 161.9 | 1158.3 |
| 1990-1991 | 133 | 61.56 | 47.77 | 41.61 | 39.39 | 37.83 | 52.71 | 114.5 | 138.6 | 159.2 | 168.1 | 158.7 | 1152.9 |
| 1991-1992 | 133.7 | 61.64 | 46 | 37.22 | 35.45 | 32.2 | 43.73 | 107 | 137.2 | 151.7 | 164.1 | 164.8 | 1114.6 |
| 1992-1993 | 132.9 | 61.25 | 45.55 | 36.03 | 37.44 | 35.44 | 48.37 | 110.9 | 131.3 | 159.9 | 172 | 165 | 1136.0 |
| 1993-1994 | 135.4 | 65.95 | 44.5 | 40.97 | 40.7 | 38.76 | 49.78 | 118.1 | 144.7 | 159.3 | 169.5 | 162.7 | 1170.4 |
| 1994-1995 | 141.2 | 63.11 | 43.43 | 36.27 | 38.6 | 39.9 | 51.01 | 110.7 | 145.2 | 162.6 | 173.3 | 162.7 | 1168.1 |
| 1995-1996 | 134.7 | 60.1 | 42.43 | 38.54 | 37.3 | 38.88 | 48.79 | 106.7 | 147 | 161.5 | 174.5 | 162.9 | 1153.4 |
| 1996-1997 | 132.9 | 58.71 | 47.31 | 41.94 | 40.18 | 36.44 | 45.92 | 101 | 144.4 | 160.6 | 175.2 | 154.7 | 1139.3 |
| 1997-1998 | 131.1 | 59.53 | 47.02 | 40.14 | 37.87 | 38.68 | 49.27 | 118.8 | 142.2 | 163.6 | 179 | 170 | 1177.2 |
| 1998-1999 | 136.6 | 62.63 | 49.02 | 41.37 | 40.98 | 38.93 | 51.98 | 115.8 | 152.5 | 164.6 | 179.8 | 165.7 | 1199.9 |
| 1999-2000 | 139.5 | 63.2 | 48.36 | 43.37 | 37.74 | 39.11 | 49.74 | 116.6 | 144.9 | 165.9 | 180.8 | 166.6 | 1195.8 |
| 2000-2001 | 139.8 | 60.78 | 49.07 | 41.1 | 40.57 | 40.09 | 56.3 | 117.2 | 147.8 | 162.6 | 175.6 | 165 | 1195.8 |
| 2001-2002 | 136.9 | 61.42 | 46.33 | 39.91 | 36.93 | 40.59 | 52.12 | 110.1 | 139.6 | 161.5 | 176.9 | 163.7 | 1166.1 |
| 2002-2003 | 136.1 | 61.71 | 49.04 | 39.04 | 41.87 | 36.88 | 47.99 | 113.5 | 156 | 164.8 | 180.4 | 170.2 | 1197.5 |
| 2003-2004 | 137.7 | 63.59 | 48.52 | 41.03 | 39.47 | 38.96 | 53.69 | 116.5 | 143.3 | 163.2 | 179 | 162.8 | 1187.7 |
| 2004-2005 | 139.2 | 64.07 | 47.57 | 39.11 | 39.86 | 37.97 | 51.9 | 115.6 | 144.6 | 158.5 | 176.6 | 164.2 | 1179.3 |
| 2005-2006 | 139 | 59.23 | 44.58 | 40.65 | 39.34 | 40.31 | 52.75 | 119.8 | 144.8 | 163.6 | 174.3 | 166.8 | 1185.1 |
| 2006-2007 | 138.5 | 60.73 | 44.6 | 38.49 | 38.67 | 39.33 | 51.14 | 111.6 | 146.4 | 166.2 | 179.9 | 165.5 | 1181.1 |
| 2007-2008 | 138.8 | 63.78 | 48.25 | 40.55 | 37.8 | 38.11 | 57.11 | 121.5 | 146.1 | 166.3 | 178.3 | 169 | 1205.5 |
| 2008-2009 | 136.5 | 60.53 | 49.01 | 41.35 | 40.33 | 40.3 | 50.72 | 116 | 144 | 167.2 | 177 | 164.8 | 1187.7 |
| 2009-2010 | 134.2 | 63.83 | 46.99 | 44.59 | 43.78 | 42.31 | 54.12 | 119.1 | 146.6 | 158.3 | 172.1 | 171.2 | 1197.1 |
| 2010-2011 | 140.4 | 62.75 | 50.8 | 44.45 | 40.77 | 40.12 | 51.68 | 112.5 | 140.3 | 159.9 | 175.5 | 166.3 | 1185.4 |
| 2011-2012 | 139.6 | 60.04 | 44.11 | 40.24 | 38.75 | 37.8 | 49.47 | 117.4 | 141.1 | 164.1 | 180.7 | 168.5 | 1181.8 |
| 2012-2013 | 138.6 | 62.7 | 49.06 | 42.14 | 40.14 | 41.66 | 53.34 | 119.8 | 151.2 | 161.4 | 173.2 | 167.8 | 1201.0 |
| 2013-2014 | 136.3 | 59.78 | 49.69 | 39.6 | 42.83 | 41.32 | 54.09 | 117.2 | 141.3 | 160.6 | 171.1 | 164.1 | 1177.9 |
| 2014-2015 | 135 | 60.18 | 46.19 | 43.25 | 39.3 | 39.07 | 52.62 | 110.9 | 144.9 | 153.9 | 173 | 166.3 | 1164.6 |
| AVERAGE | 136.6 | 61.5 | 46.8 | 40.7 | 39.5 | 38.9 | 50.9 | 114.7 | 143.9 | 161.0 | 174.6 | 164.4 | |

**Table A. 85** Gonendere station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114.2 | 91.06 | 52.09 | 42.41 | 41.06 | 48.74 | 78.06 | 97.68 | 127.2 | 146.2 | 153.8 | 141.2 | 1133.8 |
| 1979-1980 | 116.3 | 88.98 | 59.3 | 39.02 | 36.2 | 41.45 | 73.38 | 94.03 | 126.2 | 145.7 | 154.7 | 145.2 | 1120.5 |
| 1980-1981 | 113.1 | 89.42 | 58.05 | 39.35 | 38.83 | 44.55 | 76.55 | 97.27 | 123 | 147.5 | 154 | 140.3 | 1121.9 |
| 1981-1982 | 115.4 | 92.67 | 51.61 | 43.39 | 40.1 | 40.05 | 70.4 | 95.39 | 125.8 | 145 | 151.3 | 143.4 | 1114.5 |
| 1982-1983 | 117.2 | 88.59 | 50.64 | 36.11 | 33.86 | 40.87 | 73.38 | 96.21 | 128.4 | 142.4 | 153.3 | 141.3 | 1102.4 |
| 1983-1984 | 114.8 | 85.97 | 58.36 | 41.86 | 42.78 | 47.94 | 76.4 | 93.95 | 129.4 | 144.8 | 153.9 | 139.6 | 1129.9 |
| 1984-1985 | 110.1 | 88.47 | 50.47 | 35.78 | 41.77 | 40.57 | 73.46 | 97.52 | 130.7 | 144.6 | 153.6 | 148.8 | 1115.9 |
| 1985-1986 | 119 | 87.63 | 60.64 | 42.05 | 39.45 | 46.01 | 76.98 | 101.4 | 124.1 | 145.8 | 153.7 | 141.3 | 1138.1 |
| 1986-1987 | 116.7 | 85.99 | 48.92 | 36.95 | 36.87 | 47.13 | 68.01 | 93.48 | 125.1 | 142.7 | 156.1 | 143.2 | 1101.1 |
| 1987-1988 | 114.9 | 84.15 | 53.02 | 37.78 | 38.28 | 43.31 | 72.05 | 97.19 | 129.5 | 145.2 | 158.8 | 143.9 | 1118.1 |
| 1988-1989 | 115.6 | 85 | 49.13 | 37.07 | 34.2 | 43 | 76.75 | 105.7 | 131 | 143.1 | 155 | 141.6 | 1117.2 |
| 1989-1990 | 113.9 | 85.48 | 55.26 | 39.92 | 35.5 | 43.85 | 75.5 | 97.04 | 127 | 143.5 | 152 | 142 | 1111.0 |
| 1990-1991 | 112.7 | 88.49 | 56.15 | 40.1 | 38.04 | 41.91 | 77.62 | 96.72 | 124.4 | 144.4 | 150.9 | 139.8 | 1111.4 |
| 1991-1992 | 113.2 | 88.61 | 53.19 | 32.4 | 31.3 | 33.08 | 64.83 | 91.51 | 123.5 | 139.8 | 148.4 | 143.9 | 1063.8 |
| 1992-1993 | 112.6 | 88.03 | 52.45 | 30.31 | 34.7 | 38.16 | 71.45 | 94.21 | 119.7 | 144.9 | 153.4 | 144.1 | 1084.0 |
| 1993-1994 | 114.5 | 95.16 | 50.72 | 38.97 | 40.23 | 43.34 | 73.44 | 99.17 | 128.3 | 144.5 | 151.8 | 142.5 | 1122.7 |
| 1994-1995 | 118.7 | 90.83 | 48.95 | 30.75 | 36.68 | 45.12 | 75.2 | 94.11 | 128.7 | 146.5 | 154.2 | 142.5 | 1112.3 |
| 1995-1996 | 114 | 86.27 | 47.27 | 34.73 | 34.49 | 43.52 | 72.06 | 91.31 | 129.8 | 145.9 | 155 | 142.7 | 1097.0 |
| 1996-1997 | 112.6 | 84.17 | 55.37 | 40.68 | 39.37 | 39.71 | 67.95 | 87.39 | 128.2 | 145.3 | 155.4 | 137.2 | 1093.3 |
| 1997-1998 | 111.3 | 85.43 | 54.91 | 37.53 | 35.45 | 43.24 | 72.73 | 99.63 | 126.7 | 147.2 | 157.8 | 147.5 | 1119.4 |
| 1998-1999 | 115.3 | 90.11 | 58.24 | 39.66 | 40.72 | 43.61 | 76.6 | 97.61 | 133.4 | 147.8 | 158.3 | 144.5 | 1145.9 |
| 1999-2000 | 117.4 | 90.98 | 57.13 | 43.16 | 35.21 | 43.88 | 73.39 | 98.18 | 128.5 | 148.6 | 158.9 | 145.1 | 1140.5 |
| 2000-2001 | 117.7 | 87.31 | 58.32 | 39.19 | 40.05 | 45.42 | 82.74 | 98.55 | 130.3 | 146.5 | 155.6 | 144.1 | 1145.8 |
| 2001-2002 | 115.5 | 88.29 | 53.75 | 37.11 | 33.83 | 46.21 | 76.77 | 93.7 | 125.1 | 145.9 | 156.5 | 143.2 | 1115.9 |
| 2002-2003 | 114.9 | 88.68 | 58.27 | 35.59 | 42.26 | 40.42 | 70.9 | 96.01 | 135.6 | 147.9 | 158.7 | 147.6 | 1136.9 |
| 2003-2004 | 116.2 | 91.58 | 57.4 | 39.08 | 38.17 | 43.65 | 79.04 | 98.08 | 127.4 | 146.9 | 157.8 | 142.6 | 1137.9 |
| 2004-2005 | 117.2 | 92.31 | 55.81 | 35.71 | 38.83 | 42.13 | 76.49 | 97.45 | 128.3 | 144 | 156.3 | 143.6 | 1128.1 |
| 2005-2006 | 117.1 | 84.94 | 50.83 | 38.42 | 37.94 | 45.8 | 77.68 | 100.3 | 128.4 | 147.2 | 154.9 | 145.3 | 1128.7 |
| 2006-2007 | 116.7 | 87.22 | 50.87 | 34.61 | 36.83 | 44.25 | 75.37 | 94.69 | 129.4 | 148.8 | 158.4 | 144.4 | 1121.6 |
| 2007-2008 | 116.9 | 91.88 | 56.94 | 38.23 | 35.33 | 42.34 | 83.9 | 101.5 | 129.2 | 148.9 | 157.4 | 146.8 | 1149.2 |
| 2008-2009 | 115.3 | 86.93 | 58.21 | 39.62 | 39.63 | 45.76 | 74.77 | 97.75 | 127.9 | 149.4 | 156.5 | 143.9 | 1135.7 |
| 2009-2010 | 113.6 | 91.95 | 54.86 | 45.31 | 45.52 | 48.92 | 79.62 | 99.83 | 129.6 | 143.9 | 153.4 | 148.2 | 1154.7 |
| 2010-2011 | 118.1 | 90.32 | 61.22 | 45.07 | 40.37 | 45.48 | 76.16 | 95.35 | 125.5 | 144.9 | 155.6 | 145 | 1143.0 |
| 2011-2012 | 117.5 | 86.18 | 50.04 | 37.71 | 36.94 | 41.85 | 73.03 | 98.65 | 126 | 147.5 | 158.9 | 146.4 | 1120.8 |
| 2012-2013 | 116.8 | 90.21 | 58.29 | 41.06 | 39.31 | 47.88 | 78.56 | 100.4 | 132.5 | 145.8 | 154.2 | 146 | 1150.9 |
| 2013-2014 | 115.1 | 85.79 | 59.33 | 36.57 | 43.89 | 47.36 | 79.62 | 98.58 | 126.1 | 145.3 | 152.8 | 143.5 | 1133.9 |
| 2014-2015 | 114.2 | 86.39 | 53.53 | 42.98 | 37.91 | 43.86 | 77.49 | 94.25 | 128.4 | 141.2 | 154 | 145 | 1119.2 |
| AVERAGE | 115.3 | 88.4 | 54.6 | 38.5 | 38.2 | 43.6 | 75.1 | 96.8 | 127.8 | 145.5 | 155.0 | 143.7 | |

**Table A. 86** Guzelyurt station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 93.9 | 68.2 | 35.9 | 29.3 | 27.7 | 33.9 | 49.4 | 69.4 | 103.1 | 149.4 | 165.0 | 136.3 | 961.5 |
| 1979-1980 | 102.0 | 67.1 | 42.3 | 26.9 | 24.5 | 28.5 | 43.9 | 64.1 | 99.9 | 139.0 | 158.8 | 150.6 | 947.6 |
| 1980-1981 | 93.9 | 66.5 | 39.9 | 28.7 | 25.8 | 28.3 | 47.2 | 66.0 | 90.1 | 136.9 | 160.4 | 141.2 | 924.9 |
| 1981-1982 | 84.7 | 69.8 | 34.7 | 30.1 | 27.7 | 27.8 | 42.3 | 69.2 | 102.3 | 135.2 | 153.6 | 143.1 | 920.6 |
| 1982-1983 | 101.9 | 67.5 | 34.3 | 26.8 | 23.3 | 27.2 | 43.2 | 67.0 | 107.5 | 129.8 | 157.8 | 134.7 | 921.1 |
| 1983-1984 | 91.2 | 76.9 | 48.6 | 33.5 | 27.7 | 31.3 | 46.4 | 64.3 | 101.4 | 136.7 | 169.1 | 137.9 | 964.9 |
| 1984-1985 | 102.4 | 67.0 | 36.3 | 26.0 | 28.2 | 27.2 | 46.1 | 72.5 | 119.6 | 143.6 | 163.1 | 151.5 | 983.4 |
| 1985-1986 | 101.6 | 58.6 | 40.6 | 27.6 | 26.7 | 31.9 | 49.1 | 80.8 | 102.3 | 143.3 | 162.9 | 145.6 | 970.8 |
| 1986-1987 | 107.4 | 64.0 | 32.6 | 26.1 | 27.6 | 31.9 | 39.8 | 64.1 | 98.2 | 140.0 | 176.1 | 147.7 | 955.5 |
| 1987-1988 | 100.5 | 60.9 | 35.9 | 26.9 | 25.8 | 29.5 | 45.0 | 70.0 | 112.4 | 147.7 | 186.5 | 152.1 | 993.1 |
| 1988-1989 | 103.2 | 62.4 | 32.2 | 25.8 | 21.6 | 27.0 | 46.6 | 76.2 | 111.2 | 141.5 | 170.0 | 149.0 | 966.7 |
| 1989-1990 | 96.3 | 59.0 | 38.2 | 27.8 | 23.5 | 28.9 | 45.2 | 69.0 | 101.6 | 138.7 | 169.6 | 143.3 | 940.9 |
| 1990-1991 | 97.9 | 65.6 | 40.1 | 28.9 | 25.8 | 29.6 | 50.8 | 74.8 | 101.5 | 141.4 | 158.1 | 144.8 | 959.3 |
| 1991-1992 | 96.9 | 67.5 | 37.4 | 25.6 | 23.2 | 24.6 | 40.5 | 64.3 | 102.3 | 135.9 | 155.4 | 150.8 | 924.4 |
| 1992-1993 | 91.7 | 64.5 | 38.1 | 23.3 | 24.0 | 26.1 | 43.1 | 66.0 | 98.0 | 147.6 | 169.5 | 152.3 | 944.2 |
| 1993-1994 | 95.3 | 68.7 | 34.6 | 27.9 | 28.6 | 30.0 | 44.9 | 74.8 | 110.4 | 145.1 | 165.7 | 159.5 | 985.4 |
| 1994-1995 | 113.5 | 75.7 | 36.2 | 25.7 | 27.9 | 30.1 | 48.7 | 67.4 | 106.5 | 159.1 | 174.9 | 148.2 | 1014.0 |
| 1995-1996 | 98.8 | 61.3 | 31.9 | 24.8 | 24.0 | 30.2 | 44.3 | 63.7 | 118.7 | 149.5 | 173.5 | 145.1 | 965.9 |
| 1996-1997 | 99.1 | 59.0 | 39.6 | 30.5 | 27.4 | 27.5 | 43.4 | 63.2 | 109.6 | 153.4 | 188.9 | 145.4 | 986.7 |
| 1997-1998 | 98.0 | 64.6 | 38.6 | 28.2 | 25.6 | 29.5 | 44.4 | 73.7 | 107.2 | 150.2 | 185.8 | 168.4 | 1014.0 |
| 1998-1999 | 102.6 | 68.9 | 41.0 | 28.7 | 27.5 | 29.6 | 45.4 | 66.0 | 110.4 | 150.8 | 178.4 | 158.0 | 1007.4 |
| 1999-2000 | 102.0 | 68.4 | 37.9 | 29.4 | 23.4 | 28.6 | 43.2 | 73.0 | 107.4 | 157.2 | 187.6 | 154.5 | 1012.6 |
| 2000-2001 | 103.1 | 63.7 | 39.1 | 27.9 | 27.3 | 30.3 | 53.8 | 74.1 | 115.8 | 145.4 | 179.0 | 155.6 | 1015.0 |
| 2001-2002 | 102.6 | 67.1 | 36.8 | 27.4 | 23.7 | 32.3 | 49.9 | 67.4 | 104.7 | 148.5 | 183.9 | 152.7 | 997.1 |
| 2002-2003 | 101.2 | 67.2 | 40.3 | 26.4 | 29.2 | 28.0 | 41.8 | 66.6 | 125.3 | 153.9 | 183.5 | 160.4 | 1023.5 |
| 2003-2004 | 102.0 | 67.2 | 38.3 | 27.9 | 25.4 | 30.2 | 48.8 | 69.3 | 106.5 | 149.4 | 174.2 | 147.7 | 986.7 |
| 2004-2005 | 99.3 | 70.9 | 38.1 | 25.6 | 26.5 | 28.7 | 49.4 | 74.1 | 109.6 | 144.1 | 175.5 | 156.3 | 997.8 |
| 2005-2006 | 103.7 | 61.9 | 35.2 | 28.3 | 25.6 | 30.4 | 48.3 | 74.1 | 109.6 | 150.3 | 176.9 | 158.6 | 1002.8 |
| 2006-2007 | 109.5 | 67.7 | 34.3 | 25.0 | 17.4 | 22.2 | 31.2 | 40.9 | 80.4 | 95.0 | 109.1 | 104.8 | 737.5 |
| 2007-2008 | 64.2 | 47.0 | 28.2 | 19.6 | 23.7 | 28.4 | 56.7 | 75.3 | 108.0 | 162.7 | 185.0 | 168.6 | 967.4 |
| 2008-2009 | 106.9 | 66.3 | 42.1 | 28.6 | 28.3 | 30.8 | 44.7 | 68.4 | 103.6 | 152.3 | 183.2 | 155.1 | 1010.4 |
| 2009-2010 | 100.9 | 71.5 | 37.8 | 29.9 | 28.9 | 32.7 | 49.2 | 71.2 | 108.9 | 145.6 | 168.1 | 170.6 | 1015.3 |
| 2010-2011 | 108.4 | 69.5 | 42.2 | 31.4 | 27.3 | 30.0 | 46.5 | 68.5 | 105.7 | 149.7 | 176.6 | 154.4 | 1010.3 |
| 2011-2012 | 106.7 | 62.6 | 32.6 | 26.3 | 25.1 | 27.5 | 42.6 | 67.6 | 107.3 | 152.0 | 189.8 | 163.4 | 1003.5 |
| 2012-2013 | 103.3 | 68.9 | 40.8 | 28.9 | 26.2 | 32.0 | 49.8 | 72.8 | 119.6 | 148.8 | 173.3 | 156.7 | 1021.1 |
| 2013-2014 | 101.6 | 58.3 | 41.1 | 25.6 | 29.1 | 32.2 | 51.8 | 73.2 | 111.8 | 147.0 | 172.5 | 161.6 | 1005.8 |
| 2014-2015 | 106.0 | 65.3 | 37.1 | 30.7 | 26.0 | 29.3 | 49.4 | 64.8 | 109.4 | 137.4 | 170.6 | 162.7 | 988.8 |
| AVERAGE | 99.8 | 65.6 | 37.6 | 27.5 | 25.9 | 29.3 | 46.1 | 68.9 | 106.7 | 144.7 | 171.1 | 151.1 | |

**Table A. 87** Guzelyurt station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 106.8 | 75.8 | 34.5 | 25.3 | 19.9 | 29.3 | 35.8 | 56.9 | 83.8 | 146.2 | 151.7 | 129.7 | 895.5 |
| 1979-1980 | 126.6 | 78.5 | 49.6 | 21.6 | 14.6 | 19.0 | 28.2 | 51.2 | 84.4 | 141.1 | 153.5 | 153.9 | 922.2 |
| 1980-1981 | 117.6 | 80.2 | 46.3 | 26.5 | 17.8 | 19.3 | 35.3 | 56.5 | 73.6 | 143.7 | 161.1 | 148.4 | 926.4 |
| 1981-1982 | 103.3 | 87.7 | 35.9 | 29.9 | 22.0 | 18.5 | 26.8 | 63.3 | 92.5 | 143.6 | 155.3 | 153.0 | 931.7 |
| 1982-1983 | 137.1 | 85.8 | 35.9 | 23.2 | 13.4 | 17.7 | 29.3 | 61.0 | 102.5 | 139.4 | 164.9 | 146.4 | 956.5 |
| 1983-1984 | 97.5 | 85.4 | 55.8 | 32.0 | 18.9 | 22.4 | 29.2 | 46.1 | 77.8 | 123.6 | 148.5 | 125.3 | 862.7 |
| 1984-1985 | 118.7 | 73.2 | 34.8 | 18.7 | 20.6 | 15.2 | 30.0 | 61.1 | 103.4 | 137.6 | 148.2 | 145.2 | 906.6 |
| 1985-1986 | 117.0 | 59.1 | 42.9 | 21.7 | 17.7 | 24.5 | 34.8 | 74.0 | 81.7 | 136.6 | 147.4 | 138.2 | 895.7 |
| 1986-1987 | 136.7 | 73.9 | 30.0 | 20.3 | 21.0 | 26.9 | 21.4 | 51.8 | 83.0 | 144.3 | 175.1 | 152.4 | 936.9 |
| 1987-1988 | 116.7 | 63.6 | 34.3 | 20.5 | 16.2 | 19.9 | 28.4 | 57.5 | 95.3 | 143.7 | 173.5 | 146.8 | 916.4 |
| 1988-1989 | 129.9 | 71.1 | 29.1 | 19.6 | 9.6 | 16.0 | 33.3 | 72.7 | 100.7 | 146.2 | 168.0 | 153.8 | 950.1 |
| 1989-1990 | 121.7 | 66.6 | 42.5 | 24.3 | 13.2 | 20.6 | 31.6 | 61.7 | 89.8 | 146.0 | 171.7 | 150.6 | 940.2 |
| 1990-1991 | 113.7 | 72.0 | 42.8 | 24.6 | 16.4 | 20.2 | 38.5 | 65.9 | 82.3 | 137.0 | 145.1 | 140.0 | 898.4 |
| 1991-1992 | 129.9 | 86.9 | 43.3 | 20.9 | 13.3 | 12.0 | 24.6 | 56.7 | 96.0 | 150.5 | 163.9 | 168.9 | 967.0 |
| 1992-1993 | 116.8 | 78.7 | 43.4 | 15.4 | 14.7 | 14.9 | 28.6 | 58.0 | 87.0 | 162.8 | 176.1 | 165.8 | 962.2 |
| 1993-1994 | 106.7 | 75.1 | 31.2 | 22.1 | 21.0 | 20.4 | 27.7 | 64.0 | 91.1 | 137.8 | 149.3 | 151.9 | 898.5 |
| 1994-1995 | 125.8 | 81.3 | 32.4 | 16.9 | 18.7 | 19.5 | 32.1 | 49.4 | 81.7 | 146.2 | 150.1 | 132.5 | 886.8 |
| 1995-1996 | 123.7 | 69.6 | 28.7 | 17.7 | 14.1 | 23.1 | 29.4 | 51.4 | 111.6 | 158.4 | 173.3 | 150.5 | 951.7 |
| 1996-1997 | 114.6 | 60.5 | 41.5 | 27.6 | 19.2 | 15.7 | 25.6 | 46.8 | 91.9 | 151.1 | 176.2 | 139.7 | 910.4 |
| 1997-1998 | 106.9 | 66.2 | 37.5 | 21.9 | 15.1 | 18.7 | 26.0 | 60.2 | 84.4 | 139.3 | 164.1 | 155.8 | 896.1 |
| 1998-1999 | 111.9 | 71.9 | 41.3 | 22.5 | 18.3 | 18.6 | 27.1 | 47.8 | 87.0 | 138.0 | 154.8 | 143.4 | 882.6 |
| 1999-2000 | 113.5 | 72.7 | 36.5 | 24.2 | 11.4 | 17.1 | 24.2 | 59.5 | 85.1 | 148.5 | 167.0 | 142.9 | 902.5 |
| 2000-2001 | 110.1 | 62.5 | 37.2 | 20.5 | 17.5 | 19.6 | 39.6 | 58.5 | 91.1 | 128.7 | 152.0 | 138.0 | 875.4 |
| 2001-2002 | 116.3 | 71.8 | 35.0 | 20.8 | 12.1 | 25.0 | 35.5 | 51.9 | 83.2 | 140.5 | 166.1 | 143.3 | 901.7 |
| 2002-2003 | 109.2 | 68.8 | 39.8 | 18.2 | 21.0 | 15.4 | 21.4 | 48.4 | 103.3 | 140.5 | 158.6 | 144.8 | 889.4 |
| 2003-2004 | 116.3 | 72.4 | 38.2 | 21.9 | 15.2 | 20.8 | 33.9 | 55.2 | 86.0 | 142.6 | 157.5 | 139.0 | 899.1 |
| 2004-2005 | 110.4 | 77.0 | 37.1 | 17.3 | 16.8 | 17.5 | 34.3 | 61.6 | 88.3 | 133.7 | 156.1 | 145.6 | 895.6 |
| 2005-2006 | 116.9 | 62.9 | 31.7 | 22.4 | 15.4 | 20.9 | 32.5 | 61.8 | 88.4 | 141.4 | 157.7 | 148.1 | 900.2 |
| 2006-2007 | 263.1 | 148.6 | 61.1 | 32.7 | 5.2 | 12.9 | 15.1 | 26.1 | 106.6 | 148.5 | 171.6 | 180.2 | 1171.9 |
| 2007-2008 | 68.9 | 47.0 | 22.8 | 8.3 | 14.6 | 20.9 | 57.2 | 78.3 | 105.7 | 192.1 | 202.4 | 192.8 | 1011.0 |
| 2008-2009 | 116.6 | 67.1 | 42.9 | 22.2 | 19.4 | 20.7 | 25.7 | 50.7 | 78.0 | 138.1 | 157.6 | 139.0 | 878.0 |
| 2009-2010 | 105.3 | 72.9 | 34.3 | 23.8 | 19.8 | 23.7 | 31.8 | 53.4 | 81.9 | 126.7 | 139.2 | 149.9 | 862.9 |
| 2010-2011 | 116.7 | 70.9 | 42.5 | 26.7 | 17.4 | 18.9 | 28.0 | 50.1 | 79.2 | 132.8 | 148.8 | 136.1 | 868.1 |
| 2011-2012 | 127.4 | 67.2 | 28.3 | 19.5 | 15.1 | 16.0 | 24.6 | 54.4 | 89.9 | 150.8 | 178.9 | 160.5 | 932.5 |
| 2012-2013 | 107.9 | 68.8 | 39.3 | 21.9 | 15.2 | 22.4 | 32.6 | 55.5 | 93.4 | 129.6 | 143.5 | 136.2 | 866.3 |
| 2013-2014 | 110.3 | 55.3 | 41.4 | 16.8 | 20.9 | 23.7 | 37.1 | 58.5 | 88.4 | 133.1 | 148.7 | 146.6 | 880.8 |
| 2014-2015 | 121.3 | 68.9 | 35.6 | 27.2 | 16.1 | 18.8 | 34.8 | 47.7 | 89.0 | 126.9 | 152.8 | 153.6 | 892.7 |
| AVERAGE | 119.2 | 73.5 | 38.3 | 22.1 | 16.4 | 19.6 | 30.6 | 56.4 | 89.7 | 142.4 | 160.3 | 148.4 | |

**Table A. 88** Guzelyurt station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 172.5 | 169.1 | 137.9 | 134.5 | 127.1 | 120.4 | 136.2 | 143.1 | 162.4 | 179 | 192 | 188 | 1862.2 |
| 1979-1980 | 178.2 | 168 | 149 | 128.4 | 118.2 | 109.5 | 128 | 137.7 | 160.2 | 174.1 | 189.3 | 195 | 1835.5 |
| 1980-1981 | 172.4 | 167.3 | 145 | 133.1 | 122 | 109.1 | 133 | 139.6 | 152.9 | 173.1 | 190 | 190.5 | 1828.1 |
| 1981-1982 | 165.5 | 170.8 | 135.5 | 136.4 | 126.9 | 107.9 | 125.4 | 142.8 | 161.9 | 172.3 | 186.9 | 191.4 | 1823.8 |
| 1982-1983 | 178 | 168.5 | 134.7 | 128.2 | 114.7 | 106.6 | 126.9 | 140.7 | 165.3 | 169.5 | 188.8 | 187.2 | 1809.0 |
| 1983-1984 | 170.5 | 177.6 | 158.3 | 143.9 | 127 | 115.3 | 131.9 | 137.9 | 161.2 | 173 | 193.7 | 188.9 | 1879.1 |
| 1984-1985 | 178.3 | 167.9 | 138.4 | 126.2 | 128.3 | 106.5 | 131.4 | 146 | 172.8 | 176.4 | 191.2 | 195.4 | 1859.0 |
| 1985-1986 | 177.9 | 158.5 | 146.1 | 130.4 | 124.4 | 116.5 | 135.9 | 153.4 | 161.8 | 176.2 | 191.1 | 192.7 | 1864.8 |
| 1986-1987 | 181.6 | 164.7 | 131.2 | 126.4 | 126.8 | 116.7 | 121.1 | 137.6 | 158.9 | 174.7 | 196.5 | 193.6 | 1829.8 |
| 1987-1988 | 177.1 | 161.2 | 137.7 | 128.5 | 121.9 | 111.7 | 129.8 | 143.6 | 168.4 | 178.3 | 200.6 | 195.7 | 1854.6 |
| 1988-1989 | 178.9 | 163 | 130.4 | 125.5 | 109.6 | 106.1 | 132.1 | 149.4 | 167.7 | 175.4 | 194.1 | 194.3 | 1826.4 |
| 1989-1990 | 174.2 | 159 | 141.9 | 130.7 | 115.3 | 110.3 | 130 | 142.6 | 161.3 | 174 | 193.9 | 191.5 | 1824.9 |
| 1990-1991 | 175.3 | 166.5 | 145.2 | 133.5 | 122 | 111.9 | 138.3 | 148.1 | 161.3 | 175.3 | 189 | 192.3 | 1858.6 |
| 1991-1992 | 174.6 | 168.5 | 140.6 | 125.1 | 114.4 | 99.95 | 122.4 | 137.9 | 161.8 | 172.6 | 187.7 | 195.1 | 1800.8 |
| 1992-1993 | 170.9 | 165.3 | 141.7 | 118.5 | 117.1 | 103.9 | 126.8 | 139.6 | 158.8 | 178.2 | 193.9 | 195.8 | 1810.4 |
| 1993-1994 | 173.5 | 169.7 | 135.2 | 131.1 | 129.2 | 112.6 | 129.6 | 148.1 | 167.2 | 177.1 | 192.3 | 199 | 1864.7 |
| 1994-1995 | 185.4 | 176.5 | 138.3 | 125.4 | 127.5 | 113 | 135.4 | 141.1 | 164.7 | 183.4 | 196.1 | 193.9 | 1880.4 |
| 1995-1996 | 176 | 161.7 | 129.8 | 122.8 | 117 | 113.1 | 128.6 | 137.2 | 172.3 | 179.1 | 195.5 | 192.4 | 1825.4 |
| 1996-1997 | 176.1 | 159 | 144.3 | 137.3 | 126.2 | 107.1 | 127.1 | 136.7 | 166.6 | 180.9 | 201.5 | 192.6 | 1855.3 |
| 1997-1998 | 175.4 | 165.3 | 142.6 | 131.8 | 121.4 | 111.6 | 128.9 | 147.1 | 165.1 | 179.4 | 200.3 | 202.9 | 1871.8 |
| 1998-1999 | 178.5 | 169.9 | 146.7 | 133.1 | 126.6 | 111.8 | 130.4 | 139.7 | 167.2 | 179.7 | 197.5 | 198.4 | 1879.4 |
| 1999-2000 | 178.1 | 169.4 | 141.4 | 134.6 | 115.1 | 109.6 | 126.9 | 146.5 | 165.3 | 182.5 | 201 | 196.8 | 1867.2 |
| 2000-2001 | 178.8 | 164.4 | 143.6 | 131 | 126.1 | 113.3 | 142.3 | 147.5 | 170.5 | 177.2 | 197.7 | 197.3 | 1889.8 |
| 2001-2002 | 178.5 | 168.1 | 139.4 | 129.8 | 116 | 117.5 | 137 | 141.1 | 163.5 | 178.6 | 199.6 | 196 | 1865.0 |
| 2002-2003 | 177.6 | 168.1 | 145.6 | 127.3 | 130.6 | 108.2 | 124.5 | 140.3 | 176.1 | 181.1 | 199.5 | 199.4 | 1878.1 |
| 2003-2004 | 178.1 | 168.1 | 142.2 | 131 | 120.9 | 113.2 | 135.4 | 142.9 | 164.7 | 179 | 195.8 | 193.6 | 1864.9 |
| 2004-2005 | 176.3 | 171.9 | 141.7 | 125 | 123.8 | 109.9 | 136.2 | 147.5 | 166.6 | 176.6 | 196.3 | 197.6 | 1869.5 |
| 2005-2006 | 179.2 | 162.3 | 136.4 | 132.1 | 121.6 | 113.6 | 134.6 | 147.5 | 166.6 | 179.5 | 196.9 | 198.6 | 1869.0 |
| 2006-2007 | 182.9 | 168.7 | 134.6 | 123.3 | 94.33 | 93.5 | 104.1 | 107.1 | 144.9 | 148.3 | 162.9 | 169.5 | 1634.0 |
| 2007-2008 | 146.7 | 143 | 121.3 | 106.3 | 116 | 109.2 | 146 | 148.6 | 165.7 | 184.9 | 200 | 203 | 1790.7 |
| 2008-2009 | 181.3 | 167.1 | 148.6 | 132.9 | 128.6 | 114.3 | 129.3 | 142 | 162.7 | 180.4 | 199.3 | 197.1 | 1883.7 |
| 2009-2010 | 177.4 | 172.5 | 141.3 | 135.9 | 129.8 | 118.1 | 136.1 | 144.8 | 166.2 | 177.3 | 193.3 | 203.8 | 1896.5 |
| 2010-2011 | 182.3 | 170.5 | 148.8 | 139.3 | 126 | 112.7 | 132.1 | 142.2 | 164.1 | 179.2 | 196.7 | 196.8 | 1890.8 |
| 2011-2012 | 181.2 | 163.2 | 131.2 | 127 | 120.1 | 107.2 | 125.9 | 141.3 | 165.2 | 180.2 | 201.8 | 200.8 | 1844.9 |
| 2012-2013 | 179 | 169.9 | 146.4 | 133.5 | 123 | 116.9 | 136.9 | 146.4 | 172.8 | 178.8 | 195.4 | 197.8 | 1896.7 |
| 2013-2014 | 177.9 | 158.1 | 146.9 | 125 | 130.3 | 117.2 | 139.6 | 146.7 | 168.1 | 177.9 | 195.1 | 200 | 1882.9 |
| 2014-2015 | 180.8 | 166.1 | 140 | 137.8 | 122.4 | 111.1 | 136.4 | 138.4 | 166.6 | 173.4 | 194.4 | 200.5 | 1867.7 |
| AVERAGE | 176.4 | 166.2 | 140.5 | 129.8 | 121.8 | 111.0 | 131.1 | 142.2 | 164.6 | 176.7 | 194.3 | 195.0 | |

**Table A. 89** Guzelyurt station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 132.7 | 62.63 | 46.48 | 43.08 | 41.89 | 43.14 | 53.65 | 116.6 | 141.9 | 162 | 170.9 | 157.5 | 1172.5 |
| 1979-1980 | 137.1 | 62.22 | 50.25 | 41.11 | 38.97 | 39.2 | 50.4 | 112.2 | 140 | 157.6 | 168.5 | 163.3 | 1160.9 |
| 1980-1981 | 132.7 | 61.97 | 48.9 | 42.63 | 40.21 | 39.06 | 52.39 | 113.8 | 133.7 | 156.7 | 169.1 | 159.6 | 1150.7 |
| 1981-1982 | 127.3 | 63.26 | 45.71 | 43.69 | 41.83 | 38.64 | 49.37 | 116.4 | 141.5 | 155.9 | 166.4 | 160.3 | 1150.3 |
| 1982-1983 | 137 | 62.39 | 45.44 | 41.04 | 37.81 | 38.16 | 49.95 | 114.6 | 144.5 | 153.4 | 168.1 | 156.8 | 1149.2 |
| 1983-1984 | 131.2 | 65.76 | 53.4 | 46.1 | 41.87 | 41.29 | 51.93 | 112.3 | 140.9 | 156.6 | 172.4 | 158.2 | 1172.0 |
| 1984-1985 | 137.3 | 62.16 | 46.69 | 40.41 | 42.29 | 38.16 | 51.76 | 119 | 151 | 159.6 | 170.2 | 163.7 | 1182.2 |
| 1985-1986 | 136.9 | 58.67 | 49.27 | 41.75 | 41.03 | 41.73 | 53.49 | 125 | 141.4 | 159.5 | 170.1 | 161.3 | 1180.2 |
| 1986-1987 | 139.8 | 60.98 | 44.26 | 40.47 | 41.79 | 41.79 | 47.69 | 112.1 | 138.9 | 158.1 | 175 | 162.2 | 1163.0 |
| 1987-1988 | 136.3 | 59.67 | 46.45 | 41.15 | 40.19 | 40 | 51.1 | 117 | 147.2 | 161.4 | 178.5 | 163.9 | 1183.0 |
| 1988-1989 | 137.7 | 60.34 | 43.98 | 40.19 | 36.14 | 37.99 | 52.03 | 121.7 | 146.6 | 158.7 | 172.8 | 162.7 | 1170.9 |
| 1989-1990 | 134.1 | 58.88 | 47.86 | 41.86 | 38.01 | 39.52 | 51.19 | 116.2 | 141 | 157.5 | 172.6 | 160.4 | 1159.1 |
| 1990-1991 | 135 | 61.63 | 48.99 | 42.74 | 40.21 | 40.07 | 54.45 | 120.7 | 141 | 158.7 | 168.2 | 161 | 1172.6 |
| 1991-1992 | 134.4 | 62.39 | 47.41 | 40.06 | 37.72 | 35.8 | 48.18 | 112.3 | 141.4 | 156.2 | 167.1 | 163.4 | 1146.5 |
| 1992-1993 | 131.5 | 61.19 | 47.81 | 37.95 | 38.58 | 37.2 | 49.92 | 113.7 | 138.8 | 161.3 | 172.6 | 164 | 1154.6 |
| 1993-1994 | 133.6 | 62.84 | 45.6 | 41.99 | 42.58 | 40.35 | 51.04 | 120.7 | 146.1 | 160.2 | 171.2 | 166.7 | 1182.9 |
| 1994-1995 | 142.7 | 65.34 | 46.64 | 40.15 | 42.03 | 40.46 | 53.3 | 114.9 | 143.9 | 165.9 | 174.5 | 162.4 | 1192.4 |
| 1995-1996 | 135.4 | 59.87 | 43.76 | 39.32 | 38.55 | 40.52 | 50.62 | 111.8 | 150.6 | 162.1 | 174 | 161.2 | 1167.8 |
| 1996-1997 | 135.6 | 58.87 | 48.69 | 43.96 | 41.59 | 38.34 | 50.06 | 111.4 | 145.7 | 163.7 | 179.4 | 161.3 | 1178.4 |
| 1997-1998 | 135 | 61.22 | 48.1 | 42.2 | 40.02 | 39.97 | 50.74 | 119.9 | 144.3 | 162.4 | 178.3 | 169.9 | 1192.0 |
| 1998-1999 | 137.4 | 62.92 | 49.49 | 42.6 | 41.73 | 40.04 | 51.35 | 113.8 | 146.2 | 162.7 | 175.8 | 166.2 | 1190.0 |
| 1999-2000 | 137.1 | 62.73 | 47.71 | 43.12 | 37.92 | 39.26 | 49.95 | 119.3 | 144.4 | 165.2 | 178.9 | 164.9 | 1190.6 |
| 2000-2001 | 137.6 | 60.85 | 48.42 | 41.95 | 41.56 | 40.6 | 56.05 | 120.2 | 149.1 | 160.4 | 176 | 165.3 | 1197.9 |
| 2001-2002 | 137.4 | 62.22 | 47.02 | 41.56 | 38.24 | 42.07 | 53.94 | 115 | 142.9 | 161.7 | 177.7 | 164.2 | 1183.8 |
| 2002-2003 | 136.7 | 62.24 | 49.1 | 40.76 | 43.05 | 38.75 | 49.04 | 114.3 | 153.9 | 163.9 | 177.5 | 167 | 1196.3 |
| 2003-2004 | 137.1 | 62.24 | 47.95 | 41.95 | 39.86 | 40.53 | 53.32 | 116.4 | 143.9 | 162 | 174.3 | 162.2 | 1181.8 |
| 2004-2005 | 135.7 | 63.65 | 47.81 | 40.02 | 40.8 | 39.37 | 53.65 | 120.2 | 145.7 | 159.8 | 174.7 | 165.5 | 1186.9 |
| 2005-2006 | 138 | 60.11 | 46 | 42.28 | 40.08 | 40.69 | 53.03 | 120.2 | 145.7 | 162.4 | 175.2 | 166.4 | 1190.1 |
| 2006-2007 | 140.8 | 62.45 | 45.39 | 39.48 | 31.09 | 33.49 | 40.97 | 87.25 | 126.6 | 134.2 | 145 | 142 | 1028.7 |
| 2007-2008 | 112.9 | 52.95 | 40.91 | 34.03 | 38.25 | 39.12 | 57.5 | 121.1 | 144.8 | 167.3 | 178 | 170 | 1156.8 |
| 2008-2009 | 139.6 | 61.89 | 50.13 | 42.56 | 42.38 | 40.94 | 50.92 | 115.7 | 142.2 | 163.3 | 177.5 | 165.1 | 1192.1 |
| 2009-2010 | 136.5 | 63.87 | 47.65 | 43.53 | 42.81 | 42.3 | 53.58 | 118 | 145.3 | 160.5 | 172.1 | 170.7 | 1196.8 |
| 2010-2011 | 140.3 | 63.15 | 50.2 | 44.62 | 41.53 | 40.35 | 52.02 | 115.8 | 143.5 | 162.2 | 175.1 | 164.8 | 1193.6 |
| 2011-2012 | 139.5 | 60.42 | 44.26 | 40.65 | 39.57 | 38.39 | 49.56 | 115.1 | 144.4 | 163.1 | 179.7 | 168.1 | 1182.7 |
| 2012-2013 | 137.7 | 62.9 | 49.39 | 42.76 | 40.54 | 41.86 | 53.9 | 119.2 | 151.1 | 161.8 | 174 | 165.7 | 1200.9 |
| 2013-2014 | 136.9 | 58.54 | 49.56 | 40.03 | 42.97 | 41.97 | 54.99 | 119.5 | 146.9 | 161 | 173.7 | 167.5 | 1193.6 |
| 2014-2015 | 139.1 | 61.51 | 47.21 | 44.13 | 40.35 | 39.8 | 53.7 | 112.7 | 145.6 | 156.9 | 173 | 167.9 | 1181.9 |
| AVERAGE | 135.8 | 61.5 | 47.4 | 41.6 | 40.2 | 39.8 | 51.6 | 115.8 | 143.9 | 159.9 | 172.9 | 163.3 | |

**Table A. 90** Guzelyurt station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.4 | 89.99 | 53.98 | 42.6 | 42.22 | 50.15 | 78.84 | 97.98 | 126.4 | 146 | 152.5 | 138.9 | 1131.9 |
| 1979-1980 | 115.6 | 89.38 | 60.21 | 39.17 | 37.25 | 43.98 | 74.21 | 94.94 | 125.1 | 143.3 | 151 | 142.8 | 1116.8 |
| 1980-1981 | 112.4 | 88.99 | 57.95 | 41.82 | 39.36 | 43.75 | 77.04 | 96.03 | 121 | 142.7 | 151.4 | 140.3 | 1112.7 |
| 1981-1982 | 108.5 | 90.95 | 52.65 | 43.69 | 42.13 | 43.1 | 72.74 | 97.84 | 126.1 | 142.2 | 149.7 | 140.8 | 1110.3 |
| 1982-1983 | 115.5 | 89.63 | 52.19 | 39.05 | 35.28 | 42.35 | 73.58 | 96.63 | 128 | 140.6 | 150.7 | 138.4 | 1102.0 |
| 1983-1984 | 111.3 | 94.75 | 65.44 | 47.9 | 42.2 | 47.23 | 76.4 | 95.06 | 125.7 | 142.6 | 153.4 | 139.3 | 1141.4 |
| 1984-1985 | 115.7 | 89.3 | 54.28 | 37.95 | 42.92 | 42.33 | 76.13 | 99.62 | 132.2 | 144.5 | 152 | 143 | 1130.0 |
| 1985-1986 | 115.4 | 84.02 | 58.58 | 40.29 | 40.75 | 47.94 | 78.63 | 103.8 | 126.1 | 144.4 | 152 | 141.5 | 1133.3 |
| 1986-1987 | 117.5 | 87.5 | 50.23 | 38.04 | 42.06 | 48.03 | 70.34 | 94.9 | 124.4 | 143.5 | 155.1 | 142 | 1113.7 |
| 1987-1988 | 115 | 85.53 | 53.88 | 39.25 | 39.33 | 45.22 | 75.23 | 98.27 | 129.8 | 145.6 | 157.3 | 143.2 | 1127.6 |
| 1988-1989 | 116 | 86.54 | 49.75 | 37.54 | 32.43 | 42.07 | 76.54 | 101.5 | 129.4 | 143.9 | 153.7 | 142.4 | 1111.8 |
| 1989-1990 | 113.4 | 84.33 | 56.24 | 40.49 | 35.61 | 44.47 | 75.34 | 97.72 | 125.8 | 143.2 | 153.6 | 140.8 | 1110.9 |
| 1990-1991 | 114 | 88.5 | 58.1 | 42.02 | 39.35 | 45.32 | 80 | 100.8 | 125.8 | 143.9 | 150.8 | 141.2 | 1129.8 |
| 1991-1992 | 113.6 | 89.65 | 55.47 | 37.33 | 35.12 | 38.63 | 71.06 | 95.05 | 126 | 142.4 | 150.1 | 142.9 | 1097.3 |
| 1992-1993 | 111.5 | 87.83 | 56.14 | 33.63 | 36.61 | 40.83 | 73.53 | 96.02 | 124.3 | 145.5 | 153.5 | 143.3 | 1102.8 |
| 1993-1994 | 113 | 90.31 | 52.46 | 40.71 | 43.41 | 45.76 | 75.12 | 100.8 | 129.1 | 144.9 | 152.7 | 145.1 | 1133.2 |
| 1994-1995 | 119.6 | 94.11 | 54.19 | 37.47 | 42.46 | 45.94 | 78.36 | 96.85 | 127.7 | 148.4 | 154.8 | 142.2 | 1142.1 |
| 1995-1996 | 114.4 | 85.81 | 49.41 | 36.04 | 36.54 | 46.02 | 74.53 | 94.66 | 132 | 146.1 | 154.5 | 141.3 | 1111.2 |
| 1996-1997 | 114.4 | 84.3 | 57.6 | 44.16 | 41.71 | 42.62 | 73.73 | 94.41 | 128.8 | 147 | 157.8 | 141.4 | 1128.0 |
| 1997-1998 | 114 | 87.86 | 56.64 | 41.07 | 39.05 | 45.17 | 74.7 | 100.2 | 127.9 | 146.2 | 157.2 | 147.2 | 1137.2 |
| 1998-1999 | 115.8 | 90.46 | 58.93 | 41.79 | 41.96 | 45.28 | 75.56 | 96.05 | 129.1 | 146.4 | 155.6 | 144.7 | 1141.5 |
| 1999-2000 | 115.5 | 90.15 | 55.96 | 42.68 | 35.48 | 44.07 | 73.58 | 99.88 | 128 | 148 | 157.5 | 143.8 | 1134.7 |
| 2000-2001 | 116 | 87.32 | 57.16 | 40.64 | 41.66 | 46.16 | 82.26 | 100.4 | 130.9 | 145 | 155.7 | 144.1 | 1147.3 |
| 2001-2002 | 115.8 | 89.4 | 54.82 | 39.95 | 36 | 48.47 | 79.26 | 96.87 | 127 | 145.8 | 156.8 | 143.3 | 1133.4 |
| 2002-2003 | 115.3 | 89.42 | 58.29 | 38.55 | 44.21 | 43.26 | 72.27 | 96.39 | 134 | 147.1 | 156.7 | 145.3 | 1140.8 |
| 2003-2004 | 115.6 | 89.42 | 56.38 | 40.62 | 38.76 | 46.05 | 78.38 | 97.9 | 127.6 | 146 | 154.6 | 142 | 1133.4 |
| 2004-2005 | 114.5 | 91.55 | 56.14 | 37.26 | 40.37 | 44.24 | 78.83 | 100.4 | 128.8 | 144.6 | 154.9 | 144.3 | 1135.9 |
| 2005-2006 | 116.2 | 86.19 | 53.13 | 41.23 | 39.13 | 46.31 | 77.95 | 100.5 | 128.8 | 146.2 | 155.2 | 144.8 | 1135.7 |
| 2006-2007 | 118.3 | 89.74 | 52.1 | 36.29 | 23.83 | 35.01 | 60.78 | 77.78 | 116.5 | 128.7 | 136.2 | 128.5 | 1003.7 |
| 2007-2008 | 97.88 | 75.34 | 44.67 | 26.74 | 36.02 | 43.83 | 84.33 | 101.1 | 128.2 | 149.3 | 157 | 147.3 | 1091.7 |
| 2008-2009 | 117.4 | 88.88 | 59.99 | 41.7 | 43.07 | 46.68 | 74.94 | 97.38 | 126.6 | 146.8 | 156.6 | 144 | 1143.9 |
| 2009-2010 | 115.2 | 91.89 | 55.88 | 43.39 | 43.79 | 48.81 | 78.74 | 98.95 | 128.5 | 145 | 153.2 | 147.7 | 1151.1 |
| 2010-2011 | 117.9 | 90.8 | 60.13 | 45.32 | 41.62 | 45.78 | 76.52 | 97.46 | 127.3 | 146.1 | 155.2 | 143.8 | 1147.9 |
| 2011-2012 | 117.3 | 86.65 | 50.23 | 38.36 | 38.29 | 42.7 | 73.02 | 96.97 | 127.9 | 146.7 | 158 | 146 | 1122.1 |
| 2012-2013 | 116 | 90.43 | 58.76 | 42.05 | 39.93 | 48.13 | 79.21 | 99.82 | 132.2 | 145.9 | 154.4 | 144.4 | 1151.3 |
| 2013-2014 | 115.4 | 83.8 | 59.06 | 37.28 | 44.06 | 48.3 | 80.75 | 100 | 129.6 | 145.4 | 154.2 | 145.6 | 1143.5 |
| 2014-2015 | 117 | 88.31 | 55.14 | 44.44 | 39.62 | 44.91 | 78.92 | 95.33 | 128.7 | 142.8 | 153.8 | 145.9 | 1134.9 |
| AVERAGE | 114.6 | 88.4 | 55.5 | 40.0 | 39.3 | 44.8 | 76.0 | 97.5 | 127.6 | 144.7 | 153.8 | 142.8 | |

**Table A. 91** Iskele station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 98.9 | 69.9 | 34.6 | 28.1 | 27.9 | 33.3 | 49.1 | 67.4 | 102.4 | 147.0 | 168.5 | 137.2 | 964.3 |
| 1979-1980 | 98.0 | 68.0 | 42.0 | 28.0 | 24.7 | 29.0 | 44.3 | 63.2 | 93.5 | 137.4 | 153.0 | 140.4 | 921.4 |
| 1980-1981 | 93.7 | 62.2 | 39.3 | 28.3 | 26.6 | 29.9 | 50.0 | 69.0 | 92.2 | 143.8 | 173.8 | 150.6 | 959.5 |
| 1981-1982 | 105.5 | 72.5 | 35.2 | 30.8 | 28.5 | 27.3 | 42.6 | 69.0 | 104.5 | 144.6 | 164.4 | 152.8 | 977.8 |
| 1982-1983 | 111.0 | 70.4 | 35.9 | 26.6 | 24.1 | 28.6 | 44.8 | 66.2 | 105.6 | 132.4 | 168.7 | 145.8 | 960.1 |
| 1983-1984 | 100.9 | 62.1 | 41.2 | 30.4 | 29.8 | 34.7 | 51.1 | 68.1 | 115.3 | 148.8 | 164.3 | 146.5 | 993.1 |
| 1984-1985 | 102.7 | 76.9 | 37.8 | 27.7 | 30.2 | 28.8 | 48.3 | 71.3 | 113.3 | 147.1 | 170.4 | 160.4 | 1014.9 |
| 1985-1986 | 108.2 | 65.4 | 43.3 | 29.5 | 29.6 | 33.4 | 51.0 | 80.7 | 102.3 | 143.6 | 165.9 | 147.9 | 1000.8 |
| 1986-1987 | 108.7 | 63.9 | 33.9 | 25.3 | 28.1 | 34.6 | 42.2 | 65.3 | 99.6 | 137.3 | 178.2 | 157.9 | 975.0 |
| 1987-1988 | 107.7 | 66.3 | 39.8 | 28.8 | 27.9 | 31.3 | 46.6 | 69.9 | 114.2 | 150.6 | 193.5 | 164.0 | 1040.5 |
| 1988-1989 | 109.7 | 68.7 | 36.0 | 29.3 | 25.7 | 31.6 | 51.3 | 83.3 | 118.8 | 141.2 | 175.7 | 148.1 | 1019.3 |
| 1989-1990 | 103.4 | 62.3 | 40.1 | 29.2 | 26.4 | 31.6 | 51.5 | 74.0 | 109.5 | 140.4 | 172.3 | 155.7 | 996.4 |
| 1990-1991 | 104.0 | 72.7 | 44.7 | 31.7 | 28.9 | 32.4 | 54.4 | 78.3 | 115.4 | 151.6 | 167.3 | 146.7 | 1028.0 |
| 1991-1992 | 99.5 | 69.3 | 38.5 | 25.3 | 24.0 | 24.7 | 43.4 | 65.5 | 98.5 | 135.7 | 157.4 | 152.1 | 933.9 |
| 1992-1993 | 102.4 | 70.0 | 39.1 | 24.2 | 25.9 | 27.7 | 47.0 | 65.6 | 97.6 | 144.6 | 168.7 | 145.0 | 957.8 |
| 1993-1994 | 99.9 | 77.7 | 37.3 | 31.4 | 30.7 | 31.5 | 49.4 | 77.5 | 120.7 | 159.6 | 175.9 | 163.7 | 1055.4 |
| 1994-1995 | 117.2 | 82.1 | 40.1 | 27.0 | 29.9 | 35.2 | 53.9 | 67.2 | 109.2 | 149.1 | 167.0 | 148.9 | 1026.8 |
| 1995-1996 | 103.6 | 63.8 | 33.3 | 27.3 | 26.1 | 31.9 | 45.6 | 62.3 | 108.3 | 144.0 | 167.8 | 150.1 | 964.0 |
| 1996-1997 | 100.3 | 65.0 | 41.8 | 33.7 | 30.5 | 29.6 | 45.5 | 64.1 | 110.6 | 151.8 | 182.7 | 141.7 | 997.2 |
| 1997-1998 | 98.7 | 65.5 | 41.0 | 29.1 | 27.1 | 32.1 | 45.8 | 76.1 | 107.1 | 150.8 | 183.2 | 167.0 | 1023.6 |
| 1998-1999 | 106.2 | 71.9 | 44.2 | 30.3 | 30.5 | 32.7 | 50.2 | 69.4 | 119.8 | 149.6 | 179.1 | 160.9 | 1044.8 |
| 1999-2000 | 109.6 | 72.1 | 40.2 | 31.5 | 24.3 | 30.8 | 46.4 | 71.7 | 109.7 | 163.0 | 192.6 | 163.2 | 1055.0 |
| 2000-2001 | 108.2 | 66.2 | 41.3 | 30.0 | 29.9 | 31.4 | 54.6 | 73.2 | 114.7 | 154.8 | 180.6 | 161.4 | 1046.3 |
| 2001-2002 | 105.1 | 70.2 | 38.6 | 27.3 | 24.0 | 32.1 | 49.8 | 67.6 | 109.6 | 162.7 | 199.9 | 171.4 | 1058.4 |
| 2002-2003 | 94.6 | 63.3 | 37.5 | 26.0 | 28.9 | 24.7 | 38.8 | 65.9 | 80.4 | 160.1 | 194.8 | 172.0 | 987.0 |
| 2003-2004 | 111.0 | 72.9 | 42.4 | 30.4 | 27.6 | 30.7 | 51.9 | 74.0 | 118.5 | 163.5 | 198.9 | 166.5 | 1088.2 |
| 2004-2005 | 111.6 | 80.9 | 44.0 | 27.1 | 28.1 | 28.9 | 50.1 | 74.0 | 111.7 | 147.5 | 184.6 | 164.4 | 1052.9 |
| 2005-2006 | 114.5 | 65.9 | 37.7 | 30.2 | 27.1 | 31.4 | 47.9 | 76.2 | 115.8 | 161.7 | 186.2 | 163.9 | 1058.5 |
| 2006-2007 | 115.3 | 72.1 | 37.6 | 27.8 | 26.0 | 31.4 | 48.1 | 67.3 | 116.1 | 157.8 | 187.1 | 159.0 | 1045.6 |
| 2007-2008 | 104.5 | 72.8 | 40.8 | 27.6 | 24.3 | 27.2 | 56.3 | 76.5 | 110.0 | 158.1 | 184.8 | 164.6 | 1047.6 |
| 2008-2009 | 104.9 | 69.0 | 42.1 | 28.9 | 28.7 | 31.1 | 45.4 | 70.0 | 115.6 | 164.0 | 186.9 | 161.3 | 1047.8 |
| 2009-2010 | 101.4 | 73.3 | 38.0 | 29.9 | 27.6 | 30.7 | 47.8 | 70.8 | 116.6 | 144.2 | 168.5 | 172.4 | 1021.2 |
| 2010-2011 | 111.1 | 71.3 | 43.5 | 32.8 | 28.9 | 31.0 | 47.4 | 69.1 | 110.2 | 153.1 | 184.6 | 165.7 | 1048.7 |
| 2011-2012 | 112.1 | 67.3 | 34.7 | 27.7 | 25.7 | 28.9 | 43.8 | 70.6 | 110.4 | 156.1 | 197.4 | 176.2 | 1050.9 |
| 2012-2013 | 111.0 | 74.1 | 43.6 | 29.7 | 27.6 | 33.4 | 51.9 | 77.4 | 122.5 | 155.3 | 187.4 | 169.8 | 1083.6 |
| 2013-2014 | 107.7 | 67.1 | 45.6 | 27.5 | 30.6 | 33.2 | 54.5 | 77.2 | 113.8 | 159.9 | 181.2 | 164.9 | 1063.2 |
| 2014-2015 | 112.3 | 69.9 | 39.5 | 32.5 | 26.6 | 30.7 | 50.8 | 67.7 | 114.3 | 145.5 | 181.5 | 174.7 | 1046.3 |
| AVERAGE | 105.8 | 69.6 | 39.6 | 28.9 | 27.5 | 30.8 | 48.5 | 70.9 | 109.4 | 150.2 | 178.2 | 158.2 | |

**Table A. 92** Iskele station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114.6 | 76.4 | 32.9 | 23.8 | 20.6 | 28.5 | 36.8 | 56.9 | 86.4 | 163.1 | 188.1 | 153.0 | 980.9 |
| 1979-1980 | 125.0 | 80.7 | 53.1 | 26.0 | 16.0 | 21.0 | 31.1 | 54.7 | 81.7 | 164.9 | 184.3 | 174.6 | 1013.2 |
| 1980-1981 | 109.5 | 66.0 | 43.8 | 24.9 | 18.6 | 21.5 | 39.5 | 61.5 | 74.2 | 162.8 | 201.1 | 176.7 | 1000.1 |
| 1981-1982 | 122.4 | 79.1 | 33.5 | 29.3 | 21.6 | 15.3 | 24.6 | 58.6 | 87.7 | 156.6 | 179.0 | 171.9 | 979.4 |
| 1982-1983 | 138.3 | 80.4 | 37.1 | 21.5 | 13.9 | 19.0 | 30.2 | 57.1 | 94.5 | 147.0 | 197.0 | 172.5 | 1008.4 |
| 1983-1984 | 107.4 | 58.8 | 42.5 | 26.4 | 22.4 | 28.8 | 36.9 | 52.8 | 94.8 | 150.6 | 165.5 | 151.4 | 938.3 |
| 1984-1985 | 108.3 | 78.6 | 35.7 | 20.6 | 22.9 | 16.7 | 31.6 | 57.1 | 91.0 | 146.0 | 170.6 | 166.1 | 945.3 |
| 1985-1986 | 114.3 | 61.9 | 45.2 | 23.9 | 21.5 | 25.3 | 35.6 | 71.4 | 76.6 | 139.3 | 162.8 | 148.8 | 926.6 |
| 1986-1987 | 131.1 | 67.9 | 31.9 | 18.0 | 21.4 | 31.8 | 24.6 | 53.9 | 83.7 | 150.4 | 204.5 | 184.6 | 1003.9 |
| 1987-1988 | 111.9 | 62.3 | 38.2 | 22.1 | 18.1 | 20.8 | 28.0 | 53.3 | 89.6 | 146.3 | 193.0 | 165.7 | 949.2 |
| 1988-1989 | 116.7 | 66.8 | 31.9 | 23.6 | 14.6 | 21.8 | 36.3 | 75.9 | 96.7 | 136.5 | 175.5 | 149.6 | 945.8 |
| 1989-1990 | 113.3 | 60.4 | 41.4 | 24.4 | 16.4 | 22.8 | 38.5 | 63.9 | 89.6 | 142.0 | 179.7 | 166.5 | 958.9 |
| 1990-1991 | 101.8 | 67.7 | 44.8 | 26.5 | 18.9 | 21.9 | 38.6 | 63.0 | 86.6 | 140.0 | 153.6 | 137.8 | 901.3 |
| 1991-1992 | 129.6 | 84.2 | 45.9 | 20.0 | 14.6 | 11.9 | 29.9 | 60.3 | 90.8 | 164.8 | 194.6 | 195.9 | 1042.3 |
| 1992-1993 | 125.7 | 80.1 | 44.2 | 16.3 | 17.5 | 17.1 | 34.6 | 56.4 | 83.6 | 167.7 | 198.0 | 172.3 | 1013.4 |
| 1993-1994 | 95.2 | 72.9 | 31.6 | 25.5 | 21.7 | 19.9 | 30.2 | 60.9 | 90.9 | 147.4 | 160.7 | 154.4 | 911.3 |
| 1994-1995 | 119.9 | 80.5 | 37.6 | 18.0 | 21.0 | 27.6 | 38.4 | 47.4 | 81.0 | 139.1 | 155.8 | 142.6 | 908.8 |
| 1995-1996 | 126.4 | 69.3 | 31.3 | 23.0 | 17.8 | 26.3 | 31.5 | 49.7 | 98.1 | 165.1 | 194.8 | 178.1 | 1011.3 |
| 1996-1997 | 107.6 | 63.6 | 44.2 | 33.3 | 23.9 | 18.6 | 27.8 | 46.7 | 89.9 | 156.3 | 190.6 | 146.6 | 949.2 |
| 1997-1998 | 102.5 | 62.6 | 41.3 | 23.4 | 17.2 | 22.9 | 27.4 | 64.6 | 83.2 | 150.4 | 185.6 | 173.3 | 954.4 |
| 1998-1999 | 103.7 | 66.2 | 43.6 | 23.6 | 21.5 | 22.1 | 31.7 | 49.3 | 90.6 | 136.2 | 165.5 | 152.5 | 906.6 |
| 1999-2000 | 111.2 | 68.4 | 37.9 | 26.5 | 11.7 | 19.3 | 26.9 | 54.5 | 82.0 | 157.7 | 186.3 | 160.1 | 942.6 |
| 2000-2001 | 107.4 | 59.4 | 39.1 | 23.3 | 20.7 | 20.0 | 39.0 | 55.7 | 86.0 | 144.4 | 169.3 | 154.9 | 919.1 |
| 2001-2002 | 107.6 | 67.1 | 35.8 | 19.1 | 11.4 | 22.3 | 32.9 | 49.3 | 83.6 | 160.7 | 198.5 | 172.7 | 961.0 |
| 2002-2003 | 113.0 | 69.1 | 40.7 | 20.3 | 23.8 | 11.0 | 19.3 | 56.9 | 58.4 | 192.2 | 235.2 | 210.5 | 1050.4 |
| 2003-2004 | 104.3 | 64.4 | 38.7 | 22.7 | 15.9 | 17.7 | 32.6 | 53.4 | 85.0 | 145.6 | 178.0 | 151.0 | 909.3 |
| 2004-2005 | 111.0 | 77.8 | 43.6 | 17.9 | 17.5 | 15.6 | 31.9 | 56.5 | 82.4 | 134.6 | 173.0 | 157.5 | 919.3 |
| 2005-2006 | 116.2 | 59.6 | 33.3 | 23.9 | 16.2 | 20.2 | 28.9 | 60.7 | 88.1 | 154.5 | 177.4 | 159.3 | 938.0 |
| 2006-2007 | 121.0 | 69.9 | 34.1 | 20.1 | 14.8 | 20.9 | 30.3 | 48.9 | 91.4 | 155.0 | 184.7 | 159.0 | 950.2 |
| 2007-2008 | 106.4 | 70.2 | 39.6 | 19.7 | 11.9 | 13.1 | 43.1 | 62.8 | 83.6 | 154.0 | 180.4 | 164.1 | 948.9 |
| 2008-2009 | 105.8 | 64.6 | 41.5 | 21.9 | 19.0 | 19.9 | 25.4 | 52.1 | 89.1 | 159.9 | 180.9 | 158.7 | 939.0 |
| 2009-2010 | 105.6 | 73.0 | 35.7 | 24.7 | 18.0 | 20.1 | 30.5 | 55.8 | 94.1 | 140.6 | 166.7 | 178.8 | 943.7 |
| 2010-2011 | 110.2 | 65.7 | 42.7 | 28.4 | 18.8 | 19.2 | 27.7 | 49.1 | 80.6 | 141.4 | 172.7 | 158.7 | 915.2 |
| 2011-2012 | 120.5 | 65.3 | 29.8 | 20.6 | 14.8 | 16.9 | 24.3 | 55.8 | 87.3 | 157.8 | 202.9 | 184.5 | 980.5 |
| 2012-2013 | 103.2 | 65.1 | 40.2 | 21.3 | 15.6 | 22.0 | 32.2 | 57.4 | 88.2 | 134.5 | 164.1 | 152.6 | 896.5 |
| 2013-2014 | 102.6 | 58.4 | 44.6 | 18.1 | 21.0 | 22.4 | 37.2 | 59.1 | 81.7 | 144.4 | 162.9 | 152.4 | 904.8 |
| 2014-2015 | 114.2 | 65.2 | 36.6 | 28.5 | 15.4 | 19.1 | 33.6 | 48.3 | 87.0 | 135.0 | 173.2 | 172.3 | 928.3 |
| AVERAGE | 113.1 | 68.9 | 39.1 | 23.0 | 18.1 | 20.6 | 31.9 | 56.5 | 86.2 | 150.9 | 181.3 | 164.4 | |

**Table A. 93** Iskele station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 176.2 | 171.1 | 135.3 | 131.6 | 127.5 | 119.4 | 136 | 141.2 | 162.1 | 178.1 | 193.6 | 188.6 | 1860.8 |
| 1979-1980 | 175.5 | 169.1 | 148.5 | 131.4 | 119.2 | 110.6 | 128.7 | 136.8 | 155.7 | 173.5 | 186.8 | 190.2 | 1826.0 |
| 1980-1981 | 172.5 | 162.8 | 144.1 | 132.1 | 124.3 | 112.6 | 137.2 | 142.8 | 154.7 | 176.6 | 195.8 | 195.1 | 1850.6 |
| 1981-1982 | 180.5 | 173.7 | 136.5 | 138.1 | 129.2 | 106.8 | 126 | 142.7 | 163.5 | 177 | 191.9 | 196.2 | 1862.1 |
| 1982-1983 | 184 | 171.6 | 137.9 | 127.8 | 117.4 | 109.7 | 129.5 | 140 | 164.2 | 171 | 193.7 | 192.9 | 1839.8 |
| 1983-1984 | 177.5 | 162.7 | 147.2 | 137.3 | 132.2 | 122.1 | 138.8 | 141.9 | 170.4 | 179 | 191.9 | 193.2 | 1894.2 |
| 1984-1985 | 178.7 | 177.8 | 141.4 | 130.7 | 133.2 | 110.2 | 134.8 | 144.9 | 169.2 | 178.1 | 194.4 | 199.6 | 1893.1 |
| 1985-1986 | 182.3 | 166.3 | 150.6 | 135.1 | 131.9 | 119.6 | 138.6 | 153.5 | 161.9 | 176.5 | 192.5 | 193.9 | 1902.7 |
| 1986-1987 | 182.6 | 164.8 | 134 | 124.2 | 128.2 | 121.9 | 125.3 | 139.1 | 160.1 | 173.4 | 197.6 | 198.6 | 1849.6 |
| 1987-1988 | 182 | 167.4 | 144.9 | 133.3 | 127.5 | 115.4 | 132.3 | 143.7 | 169.7 | 179.8 | 203.4 | 201.2 | 1900.5 |
| 1988-1989 | 183.2 | 169.9 | 137.9 | 134.6 | 121.8 | 116.1 | 139.1 | 155.7 | 172.5 | 175.4 | 196.5 | 193.9 | 1896.6 |
| 1989-1990 | 179.2 | 163 | 145.5 | 134.3 | 123.6 | 116 | 139.4 | 147.6 | 166.8 | 175 | 195.2 | 197.5 | 1883.1 |
| 1990-1991 | 179.6 | 173.8 | 152.8 | 140.2 | 130 | 117.8 | 143.2 | 151.4 | 170.4 | 180.2 | 193.1 | 193.3 | 1925.8 |
| 1991-1992 | 176.7 | 170.5 | 142.6 | 124.2 | 116.9 | 100.5 | 127.3 | 139.2 | 159.3 | 172.7 | 188.9 | 195.8 | 1814.6 |
| 1992-1993 | 178.5 | 171.2 | 143.6 | 121.1 | 122.4 | 107.6 | 132.9 | 139.4 | 158.7 | 177 | 193.7 | 192.5 | 1838.6 |
| 1993-1994 | 176.9 | 178.6 | 140.4 | 139.5 | 134.4 | 116 | 136.4 | 150.7 | 173.6 | 183.7 | 196.7 | 201 | 1927.9 |
| 1994-1995 | 187.8 | 182.3 | 145.5 | 128.8 | 132.6 | 123 | 142.6 | 141 | 166.6 | 179.1 | 193 | 194.4 | 1916.7 |
| 1995-1996 | 179.3 | 164.6 | 132.7 | 129.7 | 123 | 116.6 | 130.7 | 135.8 | 166.1 | 176.7 | 193.3 | 194.9 | 1843.5 |
| 1996-1997 | 177.1 | 165.9 | 148.3 | 144.4 | 133.9 | 111.9 | 130.7 | 137.8 | 167.5 | 180.3 | 199.3 | 190.9 | 1888.0 |
| 1997-1998 | 176.1 | 166.4 | 146.8 | 134.2 | 125.6 | 117.1 | 131.1 | 149.4 | 165.2 | 179.9 | 199.5 | 202.4 | 1893.9 |
| 1998-1999 | 181.1 | 173.1 | 152 | 137 | 133.9 | 118.2 | 137.5 | 143.2 | 173.1 | 179.3 | 197.9 | 199.8 | 1926.2 |
| 1999-2000 | 183.2 | 173.3 | 145.5 | 139.6 | 118.1 | 114.4 | 132 | 145.4 | 166.9 | 185.2 | 203 | 200.8 | 1907.5 |
| 2000-2001 | 182.3 | 167.2 | 147.4 | 136.3 | 132.5 | 115.6 | 143.4 | 146.9 | 170 | 181.6 | 198.5 | 200.1 | 1921.8 |
| 2001-2002 | 180.3 | 171.4 | 142.8 | 129.6 | 117 | 117.2 | 137 | 141.4 | 166.8 | 185 | 205.6 | 204.3 | 1898.5 |
| 2002-2003 | 173.1 | 164.1 | 140.8 | 126.3 | 130.1 | 100.4 | 119.3 | 139.7 | 145 | 183.9 | 203.8 | 204.6 | 1831.3 |
| 2003-2004 | 184 | 174 | 149.3 | 137.2 | 126.9 | 114.3 | 139.8 | 147.6 | 172.3 | 185.3 | 205.3 | 202.2 | 1938.2 |
| 2004-2005 | 184.4 | 181.3 | 151.7 | 129 | 128 | 110.5 | 137.4 | 147.5 | 168.2 | 178.4 | 200.1 | 201.4 | 1917.9 |
| 2005-2006 | 186.2 | 166.9 | 141.3 | 136.6 | 125.6 | 115.6 | 134.3 | 149.5 | 170.7 | 184.6 | 200.7 | 201.2 | 1913.1 |
| 2006-2007 | 186.6 | 173.2 | 141 | 130.9 | 122.6 | 115.6 | 134.6 | 141.1 | 170.9 | 182.9 | 201 | 199 | 1899.5 |
| 2007-2008 | 179.9 | 173.9 | 146.6 | 130.4 | 118 | 106.5 | 145.5 | 149.8 | 167.1 | 183.1 | 200.1 | 201.4 | 1902.6 |
| 2008-2009 | 180.2 | 170.2 | 148.8 | 133.7 | 129.5 | 115 | 130.4 | 143.7 | 170.6 | 185.6 | 200.9 | 200 | 1908.5 |
| 2009-2010 | 177.9 | 174.4 | 141.8 | 136 | 127 | 114.2 | 134.1 | 144.5 | 171.1 | 176.8 | 193.6 | 204.7 | 1896.2 |
| 2010-2011 | 184.1 | 172.4 | 151 | 142.6 | 130 | 114.9 | 133.5 | 142.9 | 167.2 | 180.9 | 200.1 | 201.9 | 1921.5 |
| 2011-2012 | 184.7 | 168.4 | 135.6 | 130.6 | 121.9 | 110.5 | 128 | 144.3 | 167.3 | 182.2 | 204.7 | 206.2 | 1884.6 |
| 2012-2013 | 184 | 175.2 | 151.1 | 135.7 | 126.8 | 119.6 | 139.8 | 150.6 | 174.6 | 181.9 | 201.1 | 203.6 | 1944.0 |
| 2013-2014 | 182 | 168.2 | 154.1 | 130.3 | 134.1 | 119.2 | 143.3 | 150.4 | 169.5 | 183.8 | 198.7 | 201.6 | 1935.3 |
| 2014-2015 | 184.9 | 171 | 144.4 | 142 | 124.3 | 114.3 | 138.4 | 141.5 | 169.8 | 177.4 | 198.9 | 205.6 | 1912.6 |
| AVERAGE | 180.7 | 170.6 | 144.4 | 133.4 | 126.5 | 114.2 | 134.8 | 144.4 | 166.5 | 179.5 | 197.4 | 198.5 | |

**Table A. 94** Iskele station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.5 | 63.29 | 45.61 | 42.1 | 42 | 42.76 | 53.49 | 114.9 | 141.5 | 161 | 172.2 | 157.8 | 1172.3 |
| 1979-1980 | 135 | 62.56 | 50.05 | 42.03 | 39.24 | 39.57 | 50.64 | 111.3 | 135.9 | 156.9 | 166.2 | 159.2 | 1148.6 |
| 1980-1981 | 132.7 | 60.25 | 48.56 | 42.27 | 40.93 | 40.29 | 53.99 | 116.2 | 135.1 | 159.7 | 174.2 | 163.3 | 1167.5 |
| 1981-1982 | 138.9 | 64.24 | 46 | 44.2 | 42.55 | 38.23 | 49.58 | 116.2 | 142.8 | 160.1 | 170.7 | 164.2 | 1177.6 |
| 1982-1983 | 141.5 | 63.48 | 46.47 | 40.89 | 38.68 | 39.26 | 50.97 | 113.9 | 143.4 | 154.6 | 172.3 | 161.4 | 1166.9 |
| 1983-1984 | 136.5 | 60.19 | 49.6 | 43.93 | 43.54 | 43.71 | 54.63 | 115.5 | 148.8 | 161.8 | 170.6 | 161.7 | 1190.5 |
| 1984-1985 | 137.5 | 65.76 | 47.66 | 41.81 | 43.89 | 39.44 | 53.05 | 118 | 147.7 | 161.1 | 172.9 | 167 | 1195.9 |
| 1985-1986 | 140.2 | 61.53 | 50.75 | 43.22 | 43.43 | 42.79 | 54.54 | 124.9 | 141.4 | 159.6 | 171.2 | 162.3 | 1196.0 |
| 1986-1987 | 140.4 | 60.95 | 45.14 | 39.73 | 42.22 | 43.61 | 49.3 | 113.2 | 139.8 | 156.8 | 175.7 | 166.1 | 1173.1 |
| 1987-1988 | 140 | 61.9 | 48.82 | 42.65 | 42.02 | 41.29 | 52.07 | 117 | 148.2 | 162.5 | 180.9 | 168.4 | 1205.6 |
| 1988-1989 | 140.9 | 62.84 | 46.5 | 43.07 | 40.12 | 41.53 | 54.71 | 126.7 | 150.7 | 158.6 | 174.8 | 162.3 | 1202.8 |
| 1989-1990 | 137.8 | 60.3 | 49.02 | 42.98 | 40.71 | 41.52 | 54.85 | 120.1 | 145.6 | 158.2 | 173.6 | 165.3 | 1190.1 |
| 1990-1991 | 138.1 | 64.31 | 51.48 | 44.87 | 42.84 | 42.14 | 56.34 | 123.2 | 148.9 | 163 | 171.7 | 161.8 | 1208.7 |
| 1991-1992 | 135.8 | 63.06 | 48.06 | 39.74 | 38.5 | 35.96 | 50.11 | 113.3 | 139.1 | 156.2 | 167.9 | 163.9 | 1151.7 |
| 1992-1993 | 137.3 | 63.32 | 48.4 | 38.75 | 40.31 | 38.51 | 52.29 | 113.5 | 138.6 | 160.1 | 172.3 | 161.1 | 1164.4 |
| 1993-1994 | 136 | 66.05 | 47.32 | 44.64 | 44.28 | 41.51 | 53.65 | 122.7 | 151.6 | 166.1 | 174.9 | 168.3 | 1217.1 |
| 1994-1995 | 144.4 | 67.46 | 49.02 | 41.19 | 43.67 | 44.03 | 56.09 | 114.8 | 145.5 | 161.9 | 171.6 | 162.7 | 1202.3 |
| 1995-1996 | 137.9 | 60.9 | 44.72 | 41.5 | 40.51 | 41.75 | 51.43 | 110.6 | 145 | 159.8 | 171.9 | 163.1 | 1169.1 |
| 1996-1997 | 136.2 | 61.38 | 49.97 | 46.19 | 44.09 | 40.04 | 51.41 | 112.1 | 146.2 | 163 | 177.3 | 159.7 | 1187.7 |
| 1997-1998 | 135.4 | 61.58 | 49.49 | 42.95 | 41.37 | 41.9 | 51.57 | 121.6 | 144.3 | 162.7 | 177.5 | 169.4 | 1199.7 |
| 1998-1999 | 139.2 | 64.03 | 51.22 | 43.83 | 44.09 | 42.31 | 54.09 | 116.5 | 151.2 | 162.2 | 176 | 167.2 | 1211.9 |
| 1999-2000 | 140.9 | 64.1 | 49.04 | 44.67 | 38.87 | 40.96 | 51.95 | 118.4 | 145.7 | 167.4 | 180.6 | 168.1 | 1210.6 |
| 2000-2001 | 140.2 | 61.85 | 49.66 | 43.6 | 43.64 | 41.38 | 56.43 | 119.5 | 148.5 | 164.3 | 176.6 | 167.4 | 1213.0 |
| 2001-2002 | 138.7 | 63.4 | 48.12 | 41.47 | 38.54 | 41.93 | 53.9 | 115.1 | 145.7 | 167.3 | 182.9 | 171 | 1208.0 |
| 2002-2003 | 133.1 | 60.71 | 47.45 | 40.41 | 42.87 | 35.93 | 46.95 | 113.7 | 126.6 | 166.3 | 181.3 | 171.2 | 1166.6 |
| 2003-2004 | 141.5 | 64.39 | 50.3 | 43.89 | 41.77 | 40.9 | 55.02 | 120.1 | 150.5 | 167.6 | 182.6 | 169.2 | 1227.8 |
| 2004-2005 | 141.8 | 67.09 | 51.12 | 41.28 | 42.16 | 39.54 | 54.08 | 120.1 | 146.9 | 161.3 | 177.9 | 168.5 | 1211.8 |
| 2005-2006 | 143.2 | 61.76 | 47.61 | 43.72 | 41.37 | 41.38 | 52.82 | 121.7 | 149.1 | 166.9 | 178.5 | 168.3 | 1216.3 |
| 2006-2007 | 143.5 | 64.1 | 47.52 | 41.86 | 40.39 | 41.38 | 52.94 | 114.8 | 149.2 | 165.4 | 178.8 | 166.5 | 1206.5 |
| 2007-2008 | 138.4 | 64.34 | 49.41 | 41.74 | 38.87 | 38.1 | 57.27 | 121.9 | 145.9 | 165.6 | 178 | 168.6 | 1208.1 |
| 2008-2009 | 138.6 | 62.95 | 50.13 | 42.79 | 42.65 | 41.15 | 51.31 | 117 | 148.9 | 167.8 | 178.7 | 167.4 | 1209.4 |
| 2009-2010 | 136.8 | 64.5 | 47.78 | 43.53 | 41.82 | 40.87 | 52.77 | 117.7 | 149.5 | 159.9 | 172.2 | 171.3 | 1198.6 |
| 2010-2011 | 141.6 | 63.79 | 50.88 | 45.62 | 42.81 | 41.12 | 52.53 | 116.3 | 146 | 163.6 | 177.9 | 169 | 1211.1 |
| 2011-2012 | 142 | 62.31 | 45.68 | 41.79 | 40.16 | 39.53 | 50.37 | 117.5 | 146.1 | 164.8 | 182.1 | 172.6 | 1204.9 |
| 2012-2013 | 141.5 | 64.81 | 50.92 | 43.41 | 41.75 | 42.8 | 55.02 | 122.6 | 152.5 | 164.4 | 178.8 | 170.4 | 1229.0 |
| 2013-2014 | 140 | 62.22 | 51.93 | 41.68 | 44.16 | 42.68 | 56.38 | 122.5 | 148 | 166.2 | 176.8 | 168.7 | 1221.2 |
| 2014-2015 | 142.2 | 63.27 | 48.67 | 45.44 | 40.94 | 40.9 | 54.44 | 115.2 | 148.3 | 160.4 | 176.9 | 172.1 | 1208.7 |
| AVERAGE | 139.0 | 63.1 | 48.7 | 42.7 | 41.7 | 40.9 | 53.1 | 117.6 | 145.4 | 162.3 | 175.6 | 166.1 | |

**Table A. 95** Iskele station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.8 | 92.06 | 53.14 | 41.43 | 43.03 | 50.23 | 79.81 | 98.27 | 127.9 | 147.3 | 155.3 | 140.9 | 1145.1 |
| 1979-1980 | 115.4 | 90.96 | 60.55 | 41.35 | 38.34 | 45.25 | 75.73 | 95.78 | 124.3 | 144.7 | 151.4 | 141.7 | 1125.5 |
| 1980-1981 | 113.7 | 87.43 | 58.07 | 41.73 | 41.19 | 46.4 | 80.5 | 99.16 | 123.7 | 146.5 | 156.5 | 144.5 | 1139.4 |
| 1981-1982 | 118.2 | 93.5 | 53.79 | 45.08 | 43.95 | 43.15 | 74.23 | 99.13 | 128.7 | 146.7 | 154.3 | 145.1 | 1145.8 |
| 1982-1983 | 120.2 | 92.36 | 54.6 | 39.31 | 37.36 | 44.78 | 76.2 | 97.58 | 129.1 | 143.3 | 155.3 | 143.2 | 1133.3 |
| 1983-1984 | 116.5 | 87.35 | 59.8 | 44.64 | 45.65 | 51.73 | 81.41 | 98.65 | 132.6 | 147.8 | 154.3 | 143.4 | 1163.8 |
| 1984-1985 | 117.2 | 95.82 | 56.56 | 40.93 | 46.23 | 45.06 | 79.17 | 100.4 | 131.9 | 147.3 | 155.7 | 147 | 1163.2 |
| 1985-1986 | 119.2 | 89.39 | 61.7 | 43.39 | 45.47 | 50.31 | 81.27 | 105.2 | 127.8 | 146.4 | 154.7 | 143.8 | 1168.6 |
| 1986-1987 | 119.4 | 88.52 | 52.38 | 37.28 | 43.38 | 51.6 | 73.81 | 97.09 | 126.8 | 144.7 | 157.5 | 146.4 | 1138.8 |
| 1987-1988 | 119 | 89.97 | 58.48 | 42.41 | 43.03 | 47.98 | 77.76 | 99.67 | 132.2 | 148.3 | 160.7 | 147.9 | 1167.4 |
| 1988-1989 | 119.7 | 91.38 | 54.61 | 43.11 | 39.82 | 48.34 | 81.54 | 106.4 | 133.7 | 145.8 | 156.9 | 143.8 | 1165.2 |
| 1989-1990 | 117.5 | 87.51 | 58.83 | 42.98 | 40.83 | 48.31 | 81.74 | 101.8 | 130.5 | 145.6 | 156.2 | 145.8 | 1157.6 |
| 1990-1991 | 117.7 | 93.59 | 62.94 | 46.28 | 44.43 | 49.29 | 83.84 | 104 | 132.6 | 148.5 | 155 | 143.5 | 1181.6 |
| 1991-1992 | 116 | 91.72 | 57.21 | 37.31 | 37.06 | 39.6 | 74.95 | 97.14 | 126.3 | 144.3 | 152.6 | 144.9 | 1119.2 |
| 1992-1993 | 117.1 | 92.11 | 57.78 | 35.56 | 40.14 | 43.61 | 78.07 | 97.26 | 126 | 146.7 | 155.3 | 143 | 1132.6 |
| 1993-1994 | 116.2 | 96.25 | 56 | 45.91 | 46.91 | 48.29 | 80.02 | 103.6 | 134.3 | 150.5 | 157 | 147.8 | 1182.8 |
| 1994-1995 | 122.3 | 98.37 | 58.82 | 39.85 | 45.88 | 52.25 | 83.52 | 98.18 | 130.4 | 147.9 | 154.9 | 144.1 | 1176.5 |
| 1995-1996 | 117.5 | 88.44 | 51.67 | 40.38 | 40.47 | 48.65 | 76.86 | 95.27 | 130.1 | 146.5 | 155.1 | 144.4 | 1135.4 |
| 1996-1997 | 116.3 | 89.16 | 60.44 | 48.61 | 46.58 | 45.99 | 76.83 | 96.35 | 130.9 | 148.6 | 158.5 | 142.1 | 1160.3 |
| 1997-1998 | 115.7 | 89.46 | 59.58 | 42.93 | 41.96 | 48.9 | 77.05 | 102.9 | 129.7 | 148.3 | 158.6 | 148.6 | 1163.7 |
| 1998-1999 | 118.5 | 93.17 | 62.5 | 44.48 | 46.61 | 49.56 | 80.64 | 99.39 | 134.1 | 148 | 157.7 | 147.1 | 1181.8 |
| 1999-2000 | 119.7 | 93.3 | 58.86 | 45.94 | 37.72 | 47.43 | 77.61 | 100.6 | 130.6 | 151.3 | 160.5 | 147.7 | 1171.3 |
| 2000-2001 | 119.2 | 89.87 | 59.9 | 44.07 | 45.84 | 48.08 | 83.98 | 101.4 | 132.3 | 149.3 | 158 | 147.3 | 1179.3 |
| 2001-2002 | 118.1 | 92.24 | 57.34 | 40.33 | 37.13 | 48.96 | 80.39 | 98.39 | 130.6 | 151.2 | 162 | 149.6 | 1166.3 |
| 2002-2003 | 114.1 | 88.14 | 56.22 | 38.48 | 44.49 | 39.55 | 70.47 | 97.42 | 118.3 | 150.6 | 161 | 149.8 | 1128.5 |
| 2003-2004 | 120.2 | 93.72 | 60.97 | 44.57 | 42.65 | 47.35 | 81.98 | 101.8 | 133.6 | 151.4 | 161.8 | 148.5 | 1188.6 |
| 2004-2005 | 120.4 | 97.81 | 62.33 | 39.99 | 43.3 | 45.21 | 80.62 | 101.8 | 131.3 | 147.5 | 158.9 | 148 | 1177.1 |
| 2005-2006 | 121.4 | 89.72 | 56.49 | 44.27 | 41.94 | 48.08 | 78.85 | 102.9 | 132.7 | 151 | 159.2 | 147.9 | 1174.5 |
| 2006-2007 | 121.6 | 93.27 | 56.34 | 41.02 | 40.29 | 48.1 | 79.01 | 98.2 | 132.8 | 150 | 159.4 | 146.7 | 1166.8 |
| 2007-2008 | 117.9 | 93.65 | 59.48 | 40.79 | 37.7 | 42.95 | 85.18 | 103.1 | 130.7 | 150.1 | 158.9 | 148 | 1168.5 |
| 2008-2009 | 118 | 91.54 | 60.68 | 42.64 | 44.13 | 47.73 | 76.68 | 99.69 | 132.6 | 151.5 | 159.3 | 147.2 | 1171.9 |
| 2009-2010 | 116.7 | 93.9 | 56.76 | 43.94 | 42.71 | 47.3 | 78.77 | 100.1 | 133 | 146.6 | 155.3 | 149.9 | 1165.0 |
| 2010-2011 | 120.2 | 92.81 | 61.92 | 47.62 | 44.41 | 47.69 | 78.43 | 99.2 | 130.8 | 148.9 | 158.9 | 148.3 | 1179.2 |
| 2011-2012 | 120.5 | 90.57 | 53.29 | 40.91 | 39.89 | 45.19 | 75.34 | 100 | 130.8 | 149.6 | 161.5 | 150.7 | 1158.4 |
| 2012-2013 | 120.2 | 94.35 | 62.01 | 43.74 | 42.6 | 50.32 | 81.97 | 103.5 | 134.9 | 149.4 | 159.5 | 149.3 | 1191.8 |
| 2013-2014 | 119 | 90.44 | 63.68 | 40.71 | 46.71 | 50.12 | 83.92 | 103.5 | 132 | 150.5 | 158.1 | 148.1 | 1186.9 |
| 2014-2015 | 120.6 | 92.04 | 58.26 | 47.29 | 41.22 | 47.33 | 81.15 | 98.47 | 132.2 | 146.9 | 158.2 | 150.4 | 1174.2 |
| AVERAGE | 118.3 | 91.8 | 58.2 | 42.5 | 42.5 | 47.3 | 79.2 | 100.1 | 130.4 | 148.1 | 157.4 | 146.4 | |

**Table A. 96** Kantara station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 99.4 | 71.4 | 34.6 | 28.7 | 27.6 | 32.9 | 48.0 | 67.7 | 101.4 | 144.7 | 164.5 | 138.8 | 959.7 |
| 1979-1980 | 99.7 | 66.9 | 42.1 | 27.5 | 24.1 | 27.6 | 43.3 | 61.6 | 97.1 | 142.4 | 162.6 | 149.2 | 944.0 |
| 1980-1981 | 94.4 | 64.2 | 39.5 | 27.4 | 25.8 | 29.3 | 47.2 | 68.1 | 92.9 | 150.5 | 170.5 | 141.3 | 951.3 |
| 1981-1982 | 102.4 | 73.3 | 34.4 | 30.6 | 27.1 | 26.0 | 40.6 | 64.7 | 100.6 | 143.3 | 160.6 | 153.5 | 957.0 |
| 1982-1983 | 108.2 | 67.5 | 34.0 | 25.4 | 22.7 | 26.7 | 43.0 | 65.6 | 106.8 | 133.7 | 169.8 | 145.4 | 948.7 |
| 1983-1984 | 100.4 | 61.2 | 40.5 | 29.3 | 29.0 | 33.3 | 48.1 | 64.0 | 110.4 | 148.1 | 168.3 | 144.2 | 976.7 |
| 1984-1985 | 92.1 | 72.8 | 34.7 | 26.1 | 28.5 | 27.1 | 44.5 | 68.8 | 114.1 | 146.2 | 172.3 | 157.7 | 985.0 |
| 1985-1986 | 102.6 | 61.3 | 40.4 | 27.3 | 27.1 | 31.1 | 48.0 | 77.2 | 99.2 | 145.5 | 167.3 | 144.0 | 970.9 |
| 1986-1987 | 105.7 | 61.4 | 31.7 | 24.6 | 24.5 | 32.0 | 39.0 | 62.1 | 97.5 | 132.6 | 179.6 | 154.9 | 945.6 |
| 1987-1988 | 102.4 | 61.3 | 36.9 | 26.5 | 26.0 | 29.0 | 43.1 | 68.8 | 113.0 | 147.5 | 194.1 | 157.8 | 1006.5 |
| 1988-1989 | 106.2 | 63.8 | 33.5 | 27.6 | 24.3 | 30.0 | 49.3 | 85.7 | 116.7 | 138.0 | 175.0 | 147.3 | 997.5 |
| 1989-1990 | 99.9 | 61.7 | 38.3 | 28.5 | 24.7 | 29.8 | 47.8 | 70.2 | 104.5 | 137.5 | 162.8 | 149.6 | 955.3 |
| 1990-1991 | 96.9 | 67.2 | 39.9 | 28.9 | 26.4 | 28.8 | 49.9 | 70.5 | 101.8 | 143.6 | 156.4 | 135.8 | 946.3 |
| 1991-1992 | 93.4 | 65.8 | 35.8 | 23.1 | 21.5 | 21.5 | 36.3 | 58.2 | 93.4 | 123.7 | 145.2 | 151.0 | 869.0 |
| 1992-1993 | 94.4 | 64.4 | 35.1 | 21.8 | 23.6 | 24.7 | 41.6 | 62.0 | 86.5 | 139.1 | 163.4 | 145.4 | 901.9 |
| 1993-1994 | 96.8 | 77.0 | 33.8 | 27.9 | 27.4 | 28.6 | 44.6 | 72.6 | 110.4 | 146.7 | 163.7 | 151.1 | 980.7 |
| 1994-1995 | 110.7 | 72.7 | 33.5 | 22.8 | 25.8 | 31.5 | 47.9 | 62.7 | 105.8 | 145.5 | 162.8 | 143.9 | 965.7 |
| 1995-1996 | 96.8 | 61.7 | 31.3 | 25.1 | 23.4 | 28.8 | 42.0 | 58.2 | 107.7 | 142.4 | 167.9 | 145.8 | 931.0 |
| 1996-1997 | 94.0 | 61.6 | 38.0 | 29.9 | 27.4 | 26.9 | 39.4 | 55.2 | 106.1 | 145.4 | 176.0 | 131.0 | 930.9 |
| 1997-1998 | 92.1 | 61.2 | 37.7 | 26.6 | 24.3 | 28.8 | 43.1 | 72.9 | 102.1 | 149.2 | 184.2 | 165.1 | 987.2 |
| 1998-1999 | 100.8 | 68.8 | 41.6 | 27.8 | 27.9 | 29.7 | 48.0 | 68.2 | 121.4 | 152.6 | 186.1 | 157.6 | 1030.6 |
| 1999-2000 | 109.3 | 70.8 | 39.9 | 30.7 | 23.7 | 29.5 | 44.6 | 69.7 | 107.1 | 156.1 | 191.1 | 160.9 | 1033.2 |
| 2000-2001 | 110.3 | 65.0 | 41.7 | 28.4 | 27.9 | 31.7 | 56.7 | 73.1 | 112.6 | 151.3 | 178.6 | 158.9 | 1036.1 |
| 2001-2002 | 106.2 | 68.8 | 37.3 | 26.6 | 23.5 | 31.5 | 48.6 | 63.6 | 100.1 | 147.3 | 181.0 | 151.0 | 985.6 |
| 2002-2003 | 103.3 | 68.0 | 42.1 | 25.4 | 29.3 | 26.9 | 42.6 | 67.6 | 129.3 | 155.5 | 191.1 | 171.3 | 1052.3 |
| 2003-2004 | 105.8 | 71.6 | 40.9 | 28.1 | 26.3 | 29.6 | 52.2 | 72.5 | 108.1 | 152.1 | 186.1 | 150.2 | 1023.4 |
| 2004-2005 | 108.8 | 75.2 | 39.9 | 25.5 | 26.8 | 28.8 | 48.7 | 70.3 | 110.5 | 142.7 | 178.2 | 155.6 | 1011.1 |
| 2005-2006 | 109.7 | 62.5 | 35.2 | 28.3 | 26.5 | 32.5 | 51.9 | 77.4 | 112.0 | 156.9 | 182.1 | 164.1 | 1039.4 |
| 2006-2007 | 112.5 | 69.1 | 36.3 | 26.1 | 26.2 | 31.1 | 49.1 | 67.6 | 116.2 | 164.0 | 196.3 | 164.5 | 1059.2 |
| 2007-2008 | 112.2 | 77.6 | 42.4 | 29.1 | 25.5 | 29.4 | 57.9 | 75.6 | 109.2 | 158.2 | 181.2 | 162.0 | 1060.2 |
| 2008-2009 | 103.1 | 65.6 | 41.6 | 28.2 | 26.9 | 30.7 | 46.0 | 69.7 | 106.2 | 158.6 | 178.8 | 153.9 | 1009.5 |
| 2009-2010 | 98.3 | 72.8 | 38.1 | 32.4 | 31.0 | 33.6 | 51.7 | 73.3 | 110.5 | 140.4 | 166.7 | 170.8 | 1019.7 |
| 2010-2011 | 110.3 | 70.1 | 45.3 | 32.5 | 27.5 | 30.9 | 47.8 | 66.2 | 101.2 | 143.5 | 176.1 | 157.9 | 1009.4 |
| 2011-2012 | 108.6 | 63.9 | 33.5 | 27.0 | 25.2 | 28.1 | 43.7 | 70.8 | 102.4 | 152.5 | 190.5 | 164.7 | 1011.0 |
| 2012-2013 | 106.7 | 70.0 | 41.3 | 29.1 | 26.9 | 33.2 | 50.1 | 74.2 | 118.8 | 146.2 | 170.8 | 161.3 | 1028.7 |
| 2013-2014 | 102.1 | 62.8 | 42.7 | 26.1 | 26.6 | 30.0 | 46.4 | 65.3 | 94.0 | 130.5 | 148.0 | 139.2 | 913.8 |
| 2014-2015 | 89.4 | 59.2 | 34.1 | 28.4 | 23.6 | 26.9 | 45.4 | 58.7 | 100.3 | 117.4 | 152.7 | 143.9 | 880.0 |
| AVERAGE | 102.3 | 67.0 | 37.8 | 27.4 | 26.0 | 29.4 | 46.4 | 68.1 | 106.2 | 145.2 | 173.0 | 152.5 | |

**Table A. 97** Kantara station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.3 | 80.7 | 32.8 | 24.8 | 20.0 | 27.1 | 33.7 | 54.4 | 79.7 | 144.1 | 169.6 | 140.7 | 922.9 |
| 1979-1980 | 123.8 | 78.4 | 51.2 | 23.8 | 14.1 | 17.2 | 27.5 | 47.7 | 79.2 | 151.0 | 178.9 | 163.8 | 956.7 |
| 1980-1981 | 112.8 | 72.2 | 44.7 | 23.1 | 17.3 | 20.6 | 33.9 | 57.7 | 72.1 | 158.8 | 185.5 | 150.3 | 948.9 |
| 1981-1982 | 124.5 | 86.8 | 33.6 | 29.8 | 19.7 | 13.5 | 22.3 | 51.4 | 81.5 | 147.8 | 171.1 | 164.4 | 946.4 |
| 1982-1983 | 141.1 | 81.4 | 34.5 | 19.6 | 11.9 | 15.8 | 27.8 | 56.0 | 94.1 | 142.2 | 193.8 | 163.0 | 981.1 |
| 1983-1984 | 112.2 | 61.7 | 43.0 | 24.9 | 21.8 | 26.9 | 32.4 | 46.5 | 87.1 | 142.5 | 167.3 | 141.6 | 907.9 |
| 1984-1985 | 103.3 | 82.3 | 32.7 | 19.1 | 21.5 | 15.1 | 27.5 | 55.8 | 94.1 | 144.9 | 177.9 | 162.0 | 936.3 |
| 1985-1986 | 118.0 | 63.2 | 43.8 | 21.4 | 18.6 | 23.0 | 33.0 | 68.5 | 75.6 | 142.5 | 169.8 | 144.3 | 921.7 |
| 1986-1987 | 140.1 | 72.1 | 30.0 | 18.3 | 15.6 | 28.4 | 21.1 | 50.9 | 83.5 | 143.8 | 211.9 | 179.2 | 995.1 |
| 1987-1988 | 116.4 | 62.5 | 36.4 | 19.6 | 16.4 | 18.3 | 24.7 | 54.5 | 90.9 | 143.3 | 199.5 | 158.6 | 941.1 |
| 1988-1989 | 120.0 | 65.4 | 29.2 | 21.5 | 13.2 | 20.1 | 34.2 | 79.5 | 93.6 | 128.9 | 174.2 | 144.3 | 924.2 |
| 1989-1990 | 119.6 | 66.9 | 41.4 | 25.1 | 14.9 | 21.2 | 34.4 | 60.3 | 85.8 | 138.8 | 172.6 | 158.4 | 939.6 |
| 1990-1991 | 114.2 | 75.7 | 44.5 | 25.8 | 18.1 | 19.1 | 37.8 | 60.4 | 81.9 | 146.2 | 163.2 | 140.3 | 927.4 |
| 1991-1992 | 146.2 | 97.8 | 48.1 | 18.2 | 11.8 | 7.5 | 20.2 | 54.0 | 94.3 | 160.1 | 200.4 | 212.9 | 1071.6 |
| 1992-1993 | 135.6 | 86.8 | 42.2 | 13.6 | 15.5 | 13.5 | 28.9 | 56.9 | 75.8 | 172.5 | 212.6 | 186.5 | 1040.3 |
| 1993-1994 | 109.0 | 87.5 | 30.5 | 22.6 | 19.2 | 17.8 | 27.3 | 61.0 | 88.6 | 143.5 | 164.8 | 152.2 | 924.4 |
| 1994-1995 | 136.0 | 85.0 | 31.3 | 13.2 | 16.9 | 25.0 | 34.5 | 47.7 | 87.1 | 149.3 | 172.2 | 151.0 | 949.4 |
| 1995-1996 | 130.2 | 75.5 | 30.3 | 20.2 | 13.9 | 21.8 | 27.6 | 45.6 | 101.1 | 165.2 | 203.8 | 173.9 | 1009.3 |
| 1996-1997 | 120.0 | 72.3 | 44.3 | 30.5 | 21.7 | 16.6 | 21.8 | 38.4 | 94.9 | 162.7 | 206.5 | 146.5 | 976.3 |
| 1997-1998 | 105.3 | 64.8 | 39.6 | 20.6 | 13.8 | 18.9 | 25.8 | 63.6 | 81.4 | 151.8 | 196.2 | 173.8 | 955.7 |
| 1998-1999 | 103.8 | 67.9 | 41.5 | 20.3 | 18.3 | 18.0 | 29.8 | 48.7 | 91.8 | 136.1 | 172.8 | 144.3 | 893.3 |
| 1999-2000 | 116.1 | 71.3 | 38.8 | 26.0 | 11.3 | 17.7 | 24.8 | 51.3 | 77.6 | 141.5 | 179.9 | 149.1 | 905.5 |
| 2000-2001 | 112.0 | 60.2 | 40.2 | 20.6 | 17.6 | 20.9 | 41.3 | 53.7 | 79.8 | 129.7 | 158.7 | 140.4 | 875.0 |
| 2001-2002 | 123.7 | 75.5 | 37.7 | 20.2 | 12.1 | 23.8 | 34.2 | 47.1 | 76.9 | 145.3 | 187.1 | 153.1 | 936.8 |
| 2002-2003 | 106.1 | 66.1 | 42.1 | 15.7 | 20.4 | 13.0 | 21.6 | 47.5 | 98.9 | 138.1 | 176.4 | 156.6 | 902.5 |
| 2003-2004 | 110.8 | 72.1 | 40.4 | 20.9 | 15.6 | 17.8 | 36.2 | 55.0 | 78.2 | 136.0 | 173.4 | 137.1 | 893.4 |
| 2004-2005 | 118.6 | 79.6 | 40.0 | 16.7 | 17.0 | 16.9 | 31.9 | 53.7 | 83.3 | 129.5 | 170.6 | 147.4 | 905.2 |
| 2005-2006 | 114.4 | 58.2 | 29.8 | 21.1 | 15.8 | 22.9 | 35.3 | 61.3 | 81.4 | 139.7 | 166.9 | 149.5 | 896.6 |
| 2006-2007 | 116.5 | 66.9 | 31.4 | 16.9 | 15.0 | 20.1 | 30.7 | 46.8 | 84.7 | 145.6 | 179.3 | 148.1 | 902.0 |
| 2007-2008 | 109.3 | 74.0 | 39.7 | 20.9 | 13.1 | 16.0 | 41.2 | 54.5 | 73.2 | 131.1 | 154.1 | 137.2 | 864.3 |
| 2008-2009 | 111.3 | 65.9 | 43.3 | 22.0 | 17.1 | 20.7 | 27.8 | 53.1 | 78.9 | 149.0 | 172.0 | 146.3 | 907.4 |
| 2009-2010 | 97.2 | 71.3 | 34.3 | 27.9 | 22.9 | 24.5 | 34.3 | 54.3 | 78.1 | 118.1 | 146.9 | 152.8 | 862.7 |
| 2010-2011 | 116.2 | 69.6 | 48.2 | 29.1 | 17.6 | 20.2 | 29.4 | 45.9 | 70.5 | 125.5 | 162.0 | 144.6 | 878.8 |
| 2011-2012 | 125.5 | 66.7 | 29.6 | 20.6 | 14.9 | 16.6 | 25.7 | 57.8 | 78.6 | 149.8 | 195.6 | 166.4 | 947.6 |
| 2012-2013 | 108.6 | 67.7 | 40.0 | 22.1 | 16.1 | 23.9 | 32.0 | 55.7 | 86.9 | 125.3 | 152.0 | 144.1 | 874.4 |
| 2013-2014 | 131.9 | 73.4 | 54.3 | 21.4 | 19.8 | 23.4 | 34.2 | 55.8 | 77.4 | 138.3 | 163.9 | 155.7 | 949.5 |
| 2014-2015 | 126.6 | 76.4 | 40.0 | 30.4 | 15.6 | 18.9 | 37.2 | 50.6 | 97.8 | 136.0 | 196.6 | 185.4 | 1011.5 |
| AVERAGE | 118.7 | 73.0 | 38.8 | 21.9 | 16.7 | 19.5 | 30.4 | 54.2 | 84.2 | 143.1 | 178.4 | 155.8 | |

**Table A. 98** Kantara station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 176.4 | 172.4 | 135.3 | 133 | 126.8 | 118.5 | 134.4 | 141.3 | 161.3 | 176.9 | 191.8 | 189.3 | 1857.4 |
| 1979-1980 | 176.6 | 167.8 | 148.6 | 130 | 117.1 | 107.4 | 127 | 135 | 158.2 | 175.8 | 191 | 194.4 | 1829.0 |
| 1980-1981 | 172.9 | 165 | 144.4 | 130 | 122.1 | 111.2 | 133.1 | 141.8 | 155.1 | 179.6 | 194.3 | 190.6 | 1840.1 |
| 1981-1982 | 178.4 | 174.3 | 134.9 | 137.5 | 125.5 | 103.6 | 122.7 | 138.3 | 160.7 | 176.2 | 190.1 | 196.4 | 1838.5 |
| 1982-1983 | 182.2 | 168.5 | 134 | 124.4 | 113.1 | 105.2 | 126.6 | 139.3 | 164.9 | 171.5 | 194 | 192.6 | 1816.3 |
| 1983-1984 | 177.1 | 161.6 | 146 | 134.4 | 130.3 | 119.3 | 134.4 | 137.6 | 167.3 | 178.5 | 193.4 | 192 | 1871.9 |
| 1984-1985 | 171.2 | 173.9 | 135.4 | 126.3 | 129 | 106.3 | 129 | 142.5 | 169.6 | 177.7 | 195.1 | 198.3 | 1854.1 |
| 1985-1986 | 178.6 | 161.8 | 145.8 | 129.5 | 125.4 | 115.1 | 134.3 | 150.3 | 159.7 | 177.3 | 193 | 191.9 | 1862.7 |
| 1986-1987 | 180.6 | 161.9 | 129.4 | 122.3 | 118.3 | 116.8 | 119.7 | 135.5 | 158.5 | 171 | 198 | 197.1 | 1809.0 |
| 1987-1988 | 178.5 | 161.8 | 139.7 | 127.5 | 122.6 | 110.5 | 126.7 | 142.5 | 168.9 | 178.3 | 203.5 | 198.4 | 1858.8 |
| 1988-1989 | 181 | 164.5 | 133.1 | 130.3 | 117.9 | 112.7 | 136.2 | 157.4 | 171.2 | 173.8 | 196.2 | 193.5 | 1867.8 |
| 1989-1990 | 176.7 | 162.2 | 142.1 | 132.6 | 119 | 112.3 | 134.1 | 143.9 | 163.4 | 173.5 | 191 | 194.7 | 1845.4 |
| 1990-1991 | 174.6 | 168.2 | 144.9 | 133.6 | 123.8 | 110.2 | 137 | 144.2 | 161.5 | 176.4 | 188.3 | 187.8 | 1850.6 |
| 1991-1992 | 172.2 | 166.7 | 137.6 | 117.8 | 109.2 | 91.58 | 114.6 | 131.2 | 155.5 | 166.2 | 183 | 195.3 | 1740.9 |
| 1992-1993 | 172.9 | 165.3 | 136.3 | 113.7 | 115.7 | 100.4 | 124.2 | 135.4 | 150 | 174.3 | 191.4 | 192.6 | 1772.1 |
| 1993-1994 | 174.6 | 177.7 | 133.7 | 131.1 | 126.4 | 109.7 | 129.1 | 146.2 | 167.3 | 177.8 | 191.4 | 195.3 | 1860.4 |
| 1994-1995 | 183.8 | 173.7 | 133.1 | 116.9 | 122 | 115.9 | 134.2 | 136.2 | 164.2 | 177.3 | 191.1 | 191.8 | 1840.2 |
| 1995-1996 | 174.6 | 162.2 | 128.5 | 123.6 | 115 | 110.1 | 125 | 131.1 | 165.5 | 175.9 | 193.3 | 192.8 | 1797.5 |
| 1996-1997 | 172.6 | 162 | 141.6 | 135.9 | 126.1 | 105.9 | 120.5 | 127.5 | 164.4 | 177.2 | 196.6 | 185.3 | 1815.7 |
| 1997-1998 | 171.2 | 161.6 | 141.2 | 127.6 | 117.7 | 110.2 | 126.8 | 146.5 | 161.8 | 179 | 199.8 | 201.5 | 1844.8 |
| 1998-1999 | 177.4 | 169.8 | 147.8 | 130.9 | 127.6 | 112.1 | 134.3 | 141.9 | 173.9 | 180.5 | 200.5 | 198.3 | 1895.0 |
| 1999-2000 | 182.9 | 171.8 | 144.9 | 137.9 | 116.1 | 111.6 | 129.1 | 143.4 | 165.1 | 182.1 | 202.4 | 199.7 | 1886.9 |
| 2000-2001 | 183.4 | 165.9 | 147.9 | 132.3 | 127.5 | 116.2 | 146 | 146.6 | 168.6 | 180 | 197.6 | 198.9 | 1911.0 |
| 2001-2002 | 180.9 | 169.9 | 140.4 | 127.8 | 115.6 | 115.8 | 135.2 | 137.2 | 160.3 | 178.2 | 198.5 | 195.3 | 1855.0 |
| 2002-2003 | 179 | 168.9 | 148.6 | 124.4 | 130.9 | 105.9 | 126 | 141.3 | 178.3 | 181.8 | 202.4 | 204.1 | 1891.6 |
| 2003-2004 | 180.7 | 172.6 | 146.6 | 131.5 | 123.4 | 111.8 | 140.2 | 146.1 | 165.7 | 180.3 | 200.5 | 194.8 | 1894.3 |
| 2004-2005 | 182.6 | 176.1 | 145 | 124.8 | 124.7 | 110.1 | 135.4 | 144 | 167.3 | 176 | 197.4 | 197.4 | 1880.8 |
| 2005-2006 | 183.1 | 163.1 | 136.5 | 132.2 | 124 | 117.8 | 139.8 | 150.5 | 168.3 | 182.4 | 198.9 | 201.1 | 1897.8 |
| 2006-2007 | 184.9 | 170.2 | 138.6 | 126.5 | 123.2 | 115 | 135.9 | 141.3 | 170.8 | 185.5 | 204.2 | 201.3 | 1897.3 |
| 2007-2008 | 184.7 | 178.3 | 149.1 | 133.9 | 121.2 | 111.3 | 147.5 | 148.9 | 166.5 | 183 | 198.6 | 200.2 | 1923.2 |
| 2008-2009 | 178.9 | 166.6 | 147.8 | 131.9 | 124.9 | 114.2 | 131.3 | 143.4 | 164.5 | 183.2 | 197.6 | 196.6 | 1881.0 |
| 2009-2010 | 175.6 | 173.8 | 141.9 | 141.6 | 135 | 119.9 | 139.6 | 146.8 | 167.3 | 174.9 | 192.8 | 203.9 | 1913.1 |
| 2010-2011 | 183.5 | 171.1 | 153.6 | 141.9 | 126.6 | 114.6 | 134 | 139.9 | 161.1 | 176.3 | 196.6 | 198.4 | 1897.7 |
| 2011-2012 | 182.5 | 164.6 | 133 | 128.8 | 120.3 | 108.5 | 127.8 | 144.5 | 161.9 | 180.5 | 202.1 | 201.4 | 1856.0 |
| 2012-2013 | 181.2 | 171 | 147.4 | 134.1 | 124.9 | 119.2 | 137.3 | 147.6 | 172.4 | 177.7 | 194.5 | 199.9 | 1907.3 |
| 2013-2014 | 178.2 | 163.4 | 149.7 | 126.4 | 124.2 | 112.8 | 131.9 | 139 | 155.9 | 169.9 | 184.4 | 189.5 | 1825.4 |
| 2014-2015 | 169.2 | 159.2 | 134.3 | 132.2 | 115.8 | 105.8 | 130.5 | 131.7 | 160.5 | 162.7 | 186.6 | 191.9 | 1780.5 |
| AVERAGE | 178.3 | 167.8 | 141.1 | 129.7 | 122.4 | 111.2 | 131.7 | 141.6 | 164.3 | 177.0 | 195.2 | 195.8 | |

**Table A. 99** Kantara station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.7 | 63.82 | 45.63 | 42.6 | 41.79 | 42.44 | 52.89 | 115.1 | 140.9 | 160.1 | 170.7 | 158.5 | 1170.3 |
| 1979-1980 | 135.9 | 62.14 | 50.11 | 41.64 | 38.6 | 38.43 | 50.01 | 109.9 | 138.3 | 159.1 | 170 | 162.8 | 1156.9 |
| 1980-1981 | 133.1 | 61.06 | 48.67 | 41.58 | 40.24 | 39.84 | 52.43 | 115.5 | 135.5 | 162.5 | 172.9 | 159.6 | 1163.0 |
| 1981-1982 | 137.3 | 64.52 | 45.48 | 44.02 | 41.36 | 37.09 | 48.27 | 112.6 | 140.4 | 159.5 | 169.2 | 164.5 | 1164.2 |
| 1982-1983 | 140.2 | 62.35 | 45.2 | 39.82 | 37.27 | 37.68 | 49.83 | 113.4 | 144.1 | 155.2 | 172.7 | 161.3 | 1159.1 |
| 1983-1984 | 136.3 | 59.82 | 49.21 | 43.04 | 42.94 | 42.73 | 52.91 | 112 | 146.2 | 161.5 | 172.1 | 160.8 | 1179.5 |
| 1984-1985 | 131.7 | 64.36 | 45.68 | 40.43 | 42.52 | 38.06 | 50.76 | 116.1 | 148.2 | 160.7 | 173.6 | 166.1 | 1178.2 |
| 1985-1986 | 137.4 | 59.88 | 49.17 | 41.45 | 41.31 | 41.19 | 52.86 | 122.5 | 139.6 | 160.4 | 171.7 | 160.7 | 1178.2 |
| 1986-1987 | 139 | 59.9 | 43.61 | 39.14 | 38.98 | 41.83 | 47.12 | 110.4 | 138.5 | 154.7 | 176.2 | 165 | 1154.3 |
| 1987-1988 | 137.3 | 59.88 | 47.11 | 40.82 | 40.41 | 39.56 | 49.88 | 116 | 147.6 | 161.3 | 181.1 | 166.1 | 1187.0 |
| 1988-1989 | 139.2 | 60.9 | 44.89 | 41.72 | 38.87 | 40.36 | 53.61 | 128.2 | 149.6 | 157.2 | 174.6 | 162 | 1191.2 |
| 1989-1990 | 136 | 60.03 | 47.92 | 42.45 | 39.21 | 40.19 | 52.79 | 117.2 | 142.8 | 157 | 170 | 163 | 1168.5 |
| 1990-1991 | 134.4 | 62.26 | 48.87 | 42.77 | 40.78 | 39.46 | 53.96 | 117.4 | 141.2 | 159.6 | 167.6 | 157.3 | 1165.5 |
| 1991-1992 | 132.5 | 61.72 | 46.4 | 37.69 | 35.96 | 32.78 | 45.16 | 106.8 | 135.8 | 150.4 | 162.9 | 163.5 | 1111.7 |
| 1992-1993 | 133.1 | 61.16 | 45.94 | 36.4 | 38.14 | 35.94 | 48.91 | 110.3 | 131.1 | 157.6 | 170.3 | 161.3 | 1130.1 |
| 1993-1994 | 134.4 | 65.79 | 45.1 | 41.95 | 41.64 | 39.3 | 50.85 | 119.1 | 146.2 | 160.9 | 170.4 | 163.5 | 1179.1 |
| 1994-1995 | 141.4 | 64.31 | 44.87 | 37.44 | 40.21 | 41.49 | 52.84 | 110.9 | 143.5 | 160.4 | 170 | 160.7 | 1168.1 |
| 1995-1996 | 134.4 | 60.03 | 43.31 | 39.56 | 37.91 | 39.44 | 49.18 | 106.7 | 144.6 | 159.1 | 172 | 161.4 | 1147.7 |
| 1996-1997 | 132.8 | 59.98 | 47.76 | 43.51 | 41.57 | 37.89 | 47.41 | 103.9 | 143.7 | 160.4 | 174.9 | 155.1 | 1149.0 |
| 1997-1998 | 131.7 | 59.8 | 47.61 | 40.87 | 38.8 | 39.46 | 49.92 | 119.3 | 141.4 | 162 | 177.8 | 168.8 | 1177.3 |
| 1998-1999 | 136.5 | 62.89 | 49.83 | 41.91 | 42.05 | 40.14 | 52.89 | 115.6 | 152 | 163.4 | 178.4 | 166 | 1201.5 |
| 1999-2000 | 140.7 | 63.6 | 48.86 | 44.14 | 38.27 | 39.95 | 50.81 | 116.8 | 144.3 | 164.8 | 180.1 | 167.2 | 1199.4 |
| 2000-2001 | 141.2 | 61.4 | 49.88 | 42.35 | 42.02 | 41.62 | 57.48 | 119.4 | 147.3 | 162.8 | 175.9 | 166.5 | 1207.9 |
| 2001-2002 | 139.2 | 62.89 | 47.34 | 40.91 | 38.08 | 41.48 | 53.23 | 111.7 | 140.1 | 161.2 | 176.7 | 163.5 | 1176.3 |
| 2002-2003 | 137.7 | 62.55 | 50.11 | 39.84 | 43.15 | 37.92 | 49.59 | 115.1 | 155.8 | 164.5 | 180.1 | 170.9 | 1207.4 |
| 2003-2004 | 139 | 63.92 | 49.43 | 42.12 | 40.68 | 40.04 | 55.21 | 119 | 144.8 | 163.1 | 178.4 | 163.2 | 1199.0 |
| 2004-2005 | 140.5 | 65.2 | 48.89 | 39.94 | 41.11 | 39.42 | 53.29 | 117.3 | 146.2 | 159.3 | 175.7 | 165.3 | 1192.0 |
| 2005-2006 | 140.9 | 60.37 | 46.03 | 42.33 | 40.87 | 42.17 | 55.06 | 122.6 | 147 | 165.1 | 177.1 | 168.4 | 1208.0 |
| 2006-2007 | 142.3 | 63 | 46.72 | 40.5 | 40.6 | 41.18 | 53.51 | 115.1 | 149.3 | 167.8 | 181.8 | 168.5 | 1210.2 |
| 2007-2008 | 142.1 | 66.02 | 50.28 | 42.88 | 39.93 | 39.87 | 58.06 | 121.3 | 145.5 | 165.6 | 176.8 | 167.6 | 1215.9 |
| 2008-2009 | 137.7 | 61.64 | 49.84 | 42.24 | 41.17 | 40.91 | 51.69 | 116.8 | 143.8 | 165.7 | 175.9 | 164.6 | 1192.0 |
| 2009-2010 | 135.1 | 64.36 | 47.83 | 45.33 | 44.49 | 42.95 | 54.95 | 119.6 | 146.2 | 158.2 | 171.5 | 170.8 | 1201.4 |
| 2010-2011 | 141.2 | 63.34 | 51.82 | 45.44 | 41.73 | 41.05 | 52.75 | 114 | 140.8 | 159.6 | 175 | 166.1 | 1192.8 |
| 2011-2012 | 140.4 | 60.95 | 44.86 | 41.22 | 39.65 | 38.84 | 50.28 | 117.7 | 141.5 | 163.3 | 179.9 | 168.6 | 1187.2 |
| 2012-2013 | 139.5 | 63.31 | 49.68 | 42.94 | 41.18 | 42.68 | 54.06 | 120.3 | 150.7 | 160.7 | 173.1 | 167.4 | 1205.4 |
| 2013-2014 | 137.2 | 60.48 | 50.47 | 40.48 | 40.93 | 40.39 | 51.93 | 113.2 | 136.2 | 153.8 | 164.1 | 158.7 | 1147.8 |
| 2014-2015 | 130.2 | 58.95 | 45.3 | 42.34 | 38.15 | 37.91 | 51.36 | 107.3 | 140.2 | 147.2 | 166 | 160.7 | 1125.6 |
| AVERAGE | 137.2 | 62.1 | 47.6 | 41.5 | 40.3 | 39.8 | 51.8 | 115.3 | 143.5 | 160.2 | 173.7 | 163.9 | |

**Table A. 100** Kantara station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 111.9 | 89.81 | 51.21 | 40.74 | 40.89 | 47.67 | 75.51 | 94.24 | 122.3 | 141.1 | 148.7 | 136.2 | 1100.3 |
| 1979-1980 | 112.1 | 87.25 | 58.67 | 39.05 | 35.44 | 41.42 | 71.38 | 90.71 | 120.6 | 140.5 | 148.2 | 139.1 | 1084.3 |
| 1980-1981 | 110 | 85.63 | 56.29 | 39 | 38.26 | 43.58 | 74.81 | 94.54 | 118.8 | 142.6 | 150 | 137 | 1090.6 |
| 1981-1982 | 113 | 90.87 | 50.98 | 43.22 | 40.16 | 39.31 | 68.95 | 92.53 | 122 | 140.7 | 147.7 | 140.2 | 1089.7 |
| 1982-1983 | 115.2 | 87.6 | 50.5 | 35.89 | 33.22 | 40.23 | 71.13 | 93.09 | 124.4 | 138.1 | 149.9 | 138.1 | 1077.2 |
| 1983-1984 | 112.3 | 83.74 | 57.21 | 41.51 | 42.85 | 48.14 | 75.52 | 92.16 | 125.7 | 142 | 149.5 | 137.7 | 1108.4 |
| 1984-1985 | 109 | 90.63 | 51.29 | 36.92 | 42.12 | 40.82 | 72.49 | 94.89 | 127 | 141.5 | 150.5 | 141.3 | 1098.4 |
| 1985-1986 | 113.2 | 83.86 | 57.11 | 38.73 | 40.09 | 45.75 | 75.47 | 99.3 | 121.5 | 141.3 | 149.3 | 137.7 | 1103.2 |
| 1986-1987 | 114.3 | 83.9 | 47.87 | 34.68 | 36.12 | 46.73 | 67.29 | 90.99 | 120.8 | 137.8 | 152.1 | 140.6 | 1073.1 |
| 1987-1988 | 113.1 | 83.85 | 53.7 | 37.62 | 38.52 | 43.17 | 71.24 | 94.89 | 126.6 | 141.9 | 155.2 | 141.3 | 1101.0 |
| 1988-1989 | 114.5 | 85.39 | 49.98 | 39.18 | 35.92 | 44.43 | 76.56 | 103.3 | 127.9 | 139.3 | 151.1 | 138.6 | 1106.1 |
| 1989-1990 | 112.1 | 84.05 | 55.01 | 40.49 | 36.49 | 44.18 | 75.37 | 95.69 | 123.5 | 139.2 | 148.2 | 139.2 | 1093.5 |
| 1990-1991 | 110.9 | 87.43 | 56.62 | 41.07 | 39.18 | 43.01 | 77.02 | 95.86 | 122.5 | 140.8 | 146.7 | 135.4 | 1096.4 |
| 1991-1992 | 109.6 | 86.63 | 52.5 | 32.16 | 30.98 | 32.56 | 64.44 | 88.55 | 119.1 | 135.1 | 143.7 | 139.6 | 1034.9 |
| 1992-1993 | 110 | 85.81 | 51.74 | 29.87 | 34.66 | 37.49 | 69.83 | 90.91 | 116 | 139.6 | 148.4 | 138.1 | 1052.4 |
| 1993-1994 | 110.9 | 92.8 | 50.32 | 39.63 | 40.65 | 42.76 | 72.57 | 96.98 | 125.7 | 141.6 | 148.4 | 139.6 | 1101.9 |
| 1994-1995 | 116.1 | 90.56 | 49.97 | 31.68 | 38.19 | 46.21 | 75.43 | 91.36 | 124 | 141.3 | 148.2 | 137.7 | 1090.6 |
| 1995-1996 | 110.9 | 84.08 | 47.37 | 35.41 | 34.26 | 42.99 | 70.24 | 88.49 | 124.7 | 140.5 | 149.5 | 138.2 | 1066.6 |
| 1996-1997 | 109.8 | 83.99 | 54.77 | 42.34 | 40.5 | 40.58 | 67.71 | 86.51 | 124.1 | 141.3 | 151.3 | 134 | 1076.8 |
| 1997-1998 | 109 | 83.73 | 54.5 | 37.7 | 35.79 | 43.02 | 71.27 | 97.14 | 122.6 | 142.3 | 153.1 | 143.1 | 1093.2 |
| 1998-1999 | 112.5 | 88.37 | 58.21 | 39.52 | 41.33 | 44.09 | 75.49 | 94.57 | 129.4 | 143.1 | 153.5 | 141.3 | 1121.4 |
| 1999-2000 | 115.6 | 89.47 | 56.63 | 43.45 | 34.91 | 43.79 | 72.54 | 95.41 | 124.4 | 144 | 154.6 | 142.1 | 1116.9 |
| 2000-2001 | 115.9 | 86.13 | 58.3 | 40.33 | 41.28 | 46.4 | 82.06 | 97.23 | 126.4 | 142.8 | 151.9 | 141.6 | 1130.4 |
| 2001-2002 | 114.4 | 88.38 | 54.09 | 37.78 | 34.58 | 46.19 | 75.99 | 91.93 | 121.8 | 141.8 | 152.4 | 139.6 | 1098.9 |
| 2002-2003 | 113.4 | 87.85 | 58.68 | 35.9 | 43.19 | 40.59 | 70.81 | 94.24 | 131.9 | 143.9 | 154.6 | 144.6 | 1119.5 |
| 2003-2004 | 114.3 | 89.95 | 57.55 | 39.89 | 39 | 43.94 | 78.78 | 96.91 | 124.8 | 143 | 153.5 | 139.3 | 1121.0 |
| 2004-2005 | 115.4 | 91.87 | 56.65 | 36.11 | 39.74 | 42.97 | 76.09 | 95.74 | 125.7 | 140.6 | 151.8 | 140.8 | 1113.4 |
| 2005-2006 | 115.7 | 84.58 | 51.89 | 40.25 | 39.32 | 47.27 | 78.59 | 99.43 | 126.3 | 144.2 | 152.6 | 142.8 | 1123.0 |
| 2006-2007 | 116.7 | 88.56 | 53.04 | 37.05 | 38.86 | 45.72 | 76.4 | 94.23 | 127.7 | 145.9 | 155.6 | 142.9 | 1122.7 |
| 2007-2008 | 116.6 | 93.15 | 58.97 | 41.23 | 37.73 | 43.65 | 82.87 | 98.51 | 125.3 | 144.5 | 152.4 | 142.4 | 1137.2 |
| 2008-2009 | 113.3 | 86.53 | 58.25 | 40.1 | 39.85 | 45.28 | 73.78 | 95.42 | 124.1 | 144.6 | 151.9 | 140.3 | 1113.5 |
| 2009-2010 | 111.5 | 90.61 | 54.89 | 45.52 | 45.5 | 48.47 | 78.44 | 97.34 | 125.7 | 140 | 149.2 | 144.4 | 1131.6 |
| 2010-2011 | 115.9 | 89.07 | 61.51 | 45.7 | 40.81 | 45.5 | 75.29 | 93.45 | 122.2 | 140.8 | 151.3 | 141.3 | 1122.9 |
| 2011-2012 | 115.3 | 85.45 | 49.93 | 38.35 | 37.24 | 42.06 | 71.82 | 96.03 | 122.7 | 143.1 | 154.4 | 143 | 1099.5 |
| 2012-2013 | 114.6 | 89.05 | 57.98 | 41.34 | 39.85 | 48.06 | 77.16 | 97.79 | 128.6 | 141.5 | 150.1 | 142.2 | 1128.3 |
| 2013-2014 | 112.9 | 84.76 | 59.27 | 37.01 | 39.43 | 44.48 | 74.15 | 92.92 | 119.3 | 137.2 | 144.5 | 136.4 | 1082.3 |
| 2014-2015 | 107.9 | 82.42 | 50.67 | 40.28 | 34.71 | 40.57 | 73.33 | 88.84 | 121.9 | 133.1 | 145.7 | 137.7 | 1057.1 |
| AVERAGE | 113.0 | 87.2 | 54.4 | 38.8 | 38.4 | 43.6 | 74.0 | 94.4 | 124.0 | 141.2 | 150.5 | 139.9 | |

**Table A. 101** Karpaz station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 101.0 | 71.3 | 35.0 | 28.4 | 28.1 | 33.7 | 49.7 | 68.3 | 104.1 | 150.1 | 172.4 | 140.3 | 982.5 |
| 1979-1980 | 100.0 | 69.3 | 42.6 | 28.3 | 25.0 | 29.2 | 44.7 | 63.9 | 95.0 | 140.3 | 156.3 | 143.6 | 938.3 |
| 1980-1981 | 95.6 | 63.3 | 39.9 | 28.6 | 26.9 | 30.2 | 50.6 | 70.0 | 93.6 | 146.9 | 178.0 | 154.1 | 977.7 |
| 1981-1982 | 107.8 | 73.9 | 35.6 | 31.2 | 28.8 | 27.6 | 43.0 | 69.9 | 106.3 | 147.7 | 168.2 | 156.5 | 996.6 |
| 1982-1983 | 113.5 | 71.8 | 36.4 | 26.9 | 24.3 | 28.8 | 45.3 | 67.1 | 107.4 | 135.1 | 172.8 | 149.2 | 978.5 |
| 1983-1984 | 103.1 | 63.2 | 41.8 | 30.8 | 30.1 | 35.2 | 51.8 | 69.1 | 117.5 | 152.1 | 168.2 | 149.9 | 1012.6 |
| 1984-1985 | 104.9 | 78.5 | 38.3 | 28.0 | 30.6 | 29.1 | 48.9 | 72.3 | 115.4 | 150.3 | 174.5 | 164.4 | 1035.2 |
| 1985-1986 | 110.7 | 66.5 | 44.0 | 29.8 | 30.0 | 33.7 | 51.6 | 82.1 | 104.0 | 146.7 | 169.8 | 151.4 | 1020.3 |
| 1986-1987 | 111.2 | 65.0 | 34.3 | 25.5 | 28.4 | 35.0 | 42.6 | 66.2 | 101.2 | 140.1 | 182.6 | 161.8 | 993.9 |
| 1987-1988 | 110.1 | 67.5 | 40.3 | 29.1 | 28.2 | 31.6 | 47.1 | 70.9 | 116.3 | 153.9 | 198.5 | 168.1 | 1061.7 |
| 1988-1989 | 112.3 | 70.0 | 36.4 | 29.6 | 25.9 | 31.9 | 51.9 | 84.8 | 121.1 | 144.2 | 179.9 | 151.6 | 1039.6 |
| 1989-1990 | 105.7 | 63.4 | 40.7 | 29.5 | 26.6 | 31.9 | 52.2 | 75.1 | 111.5 | 143.4 | 176.6 | 159.5 | 1016.0 |
| 1990-1991 | 106.2 | 74.1 | 45.4 | 32.1 | 29.2 | 32.8 | 55.1 | 79.5 | 117.6 | 155.0 | 171.3 | 150.2 | 1048.5 |
| 1991-1992 | 101.7 | 70.6 | 39.0 | 25.5 | 24.1 | 24.9 | 43.9 | 66.4 | 100.1 | 138.6 | 161.1 | 155.7 | 951.5 |
| 1992-1993 | 104.7 | 71.3 | 39.6 | 24.4 | 26.1 | 27.9 | 47.5 | 66.5 | 99.2 | 147.7 | 172.7 | 148.4 | 976.1 |
| 1993-1994 | 102.1 | 79.4 | 37.8 | 31.8 | 31.1 | 31.9 | 50.0 | 78.8 | 123.0 | 163.3 | 180.2 | 167.8 | 1077.1 |
| 1994-1995 | 120.0 | 83.8 | 40.7 | 27.2 | 30.3 | 35.7 | 54.6 | 68.2 | 111.2 | 152.3 | 170.8 | 152.4 | 1047.3 |
| 1995-1996 | 105.8 | 64.9 | 33.7 | 27.6 | 26.4 | 32.2 | 46.0 | 63.1 | 110.3 | 147.1 | 171.8 | 153.7 | 982.6 |
| 1996-1997 | 102.4 | 66.2 | 42.5 | 34.1 | 30.9 | 29.8 | 46.0 | 64.9 | 112.6 | 155.1 | 187.3 | 145.0 | 1016.7 |
| 1997-1998 | 100.9 | 66.7 | 41.6 | 29.5 | 27.4 | 32.4 | 46.3 | 77.3 | 109.1 | 154.1 | 187.8 | 171.2 | 1044.2 |
| 1998-1999 | 108.6 | 73.4 | 44.9 | 30.7 | 30.9 | 33.0 | 50.8 | 70.4 | 122.1 | 152.9 | 183.5 | 164.9 | 1066.0 |
| 1999-2000 | 112.1 | 73.5 | 40.8 | 31.8 | 24.5 | 31.1 | 46.9 | 72.8 | 111.7 | 166.8 | 197.5 | 167.3 | 1076.8 |
| 2000-2001 | 110.7 | 67.4 | 41.9 | 30.3 | 30.2 | 33.5 | 58.1 | 77.8 | 114.1 | 156.5 | 182.6 | 166.1 | 1069.2 |
| 2001-2002 | 111.4 | 73.5 | 39.8 | 29.0 | 25.9 | 34.1 | 52.7 | 70.0 | 109.2 | 155.5 | 189.5 | 158.0 | 1048.8 |
| 2002-2003 | 108.4 | 71.0 | 43.2 | 27.8 | 31.6 | 28.9 | 45.7 | 69.5 | 125.3 | 155.4 | 191.0 | 170.5 | 1068.3 |
| 2003-2004 | 108.4 | 71.3 | 42.1 | 30.6 | 27.5 | 31.2 | 53.5 | 75.9 | 112.7 | 154.9 | 188.0 | 159.1 | 1055.1 |
| 2004-2005 | 110.2 | 78.7 | 43.2 | 28.3 | 29.9 | 31.9 | 53.2 | 75.9 | 116.2 | 151.1 | 181.7 | 164.8 | 1065.1 |
| 2005-2006 | 114.5 | 67.6 | 38.8 | 31.9 | 28.9 | 34.6 | 54.4 | 79.5 | 120.8 | 165.0 | 194.7 | 170.6 | 1101.5 |
| 2006-2007 | 123.7 | 77.5 | 40.2 | 30.2 | 28.8 | 34.9 | 53.9 | 73.8 | 124.7 | 170.8 | 201.9 | 177.0 | 1137.3 |
| 2007-2008 | 117.5 | 82.7 | 45.3 | 31.5 | 28.8 | 33.1 | 59.1 | 77.6 | 110.4 | 161.1 | 181.9 | 162.9 | 1092.0 |
| 2008-2009 | 110.7 | 73.4 | 46.9 | 31.2 | 30.2 | 33.1 | 48.6 | 71.5 | 110.0 | 160.6 | 173.3 | 155.4 | 1044.8 |
| 2009-2010 | 103.5 | 78.2 | 42.0 | 33.2 | 31.4 | 34.7 | 54.5 | 74.1 | 108.3 | 139.7 | 164.2 | 167.4 | 1031.2 |
| 2010-2011 | 113.7 | 74.4 | 50.6 | 35.2 | 29.8 | 33.2 | 50.7 | 68.9 | 102.8 | 141.6 | 169.8 | 155.7 | 1026.5 |
| 2011-2012 | 110.7 | 68.5 | 36.0 | 30.3 | 27.1 | 30.3 | 46.6 | 70.3 | 105.0 | 158.3 | 184.5 | 174.7 | 1042.3 |
| 2012-2013 | 115.3 | 75.0 | 44.4 | 31.1 | 28.7 | 35.6 | 52.3 | 75.7 | 121.5 | 147.6 | 182.7 | 167.1 | 1077.2 |
| 2013-2014 | 105.5 | 66.7 | 46.4 | 27.9 | 31.9 | 34.9 | 53.8 | 74.7 | 105.6 | 141.9 | 164.6 | 152.7 | 1006.6 |
| 2014-2015 | 106.2 | 70.1 | 41.2 | 33.6 | 28.6 | 32.0 | 52.3 | 67.0 | 110.9 | 132.4 | 167.2 | 159.9 | 1001.3 |
| AVERAGE | 108.4 | 71.5 | 40.9 | 29.8 | 28.5 | 32.0 | 50.2 | 72.2 | 111.0 | 150.7 | 178.4 | 159.2 | |

**Table A. 102** Karpaz station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.5 | 77.8 | 33.0 | 23.7 | 20.5 | 28.4 | 36.9 | 57.4 | 87.7 | 168.0 | 194.4 | 157.7 | 1003.0 |
| 1979-1980 | 128.2 | 82.2 | 53.8 | 26.1 | 15.8 | 20.9 | 31.0 | 55.1 | 83.0 | 170.0 | 190.4 | 180.4 | 1037.0 |
| 1980-1981 | 112.0 | 66.9 | 44.3 | 24.9 | 18.5 | 21.4 | 39.7 | 62.2 | 75.2 | 167.8 | 208.2 | 182.5 | 1023.5 |
| 1981-1982 | 125.6 | 80.5 | 33.6 | 29.3 | 21.5 | 15.1 | 24.4 | 59.2 | 89.2 | 161.2 | 184.9 | 177.4 | 1002.0 |
| 1982-1983 | 142.2 | 81.9 | 37.3 | 21.4 | 13.8 | 18.8 | 30.2 | 57.7 | 96.1 | 151.0 | 203.8 | 178.0 | 1032.3 |
| 1983-1984 | 109.9 | 59.5 | 42.8 | 26.4 | 22.3 | 28.8 | 37.0 | 53.2 | 96.5 | 154.9 | 170.7 | 155.7 | 957.8 |
| 1984-1985 | 110.8 | 80.0 | 35.8 | 20.5 | 22.8 | 16.5 | 31.6 | 57.7 | 92.5 | 150.0 | 176.0 | 171.4 | 965.8 |
| 1985-1986 | 117.0 | 62.7 | 45.7 | 23.8 | 21.4 | 25.2 | 35.7 | 72.5 | 77.6 | 143.0 | 167.7 | 153.2 | 945.6 |
| 1986-1987 | 134.7 | 69.0 | 32.0 | 17.9 | 21.3 | 31.9 | 24.5 | 54.5 | 84.9 | 154.7 | 211.9 | 190.8 | 1027.9 |
| 1987-1988 | 114.6 | 63.2 | 38.5 | 22.0 | 18.0 | 20.6 | 27.9 | 53.7 | 91.1 | 150.3 | 199.7 | 170.9 | 970.4 |
| 1988-1989 | 119.6 | 67.8 | 32.0 | 23.5 | 14.4 | 21.7 | 36.3 | 77.1 | 98.5 | 140.1 | 181.0 | 154.0 | 966.0 |
| 1989-1990 | 116.0 | 61.1 | 41.8 | 24.4 | 16.3 | 22.7 | 38.6 | 64.7 | 91.0 | 145.9 | 185.7 | 171.7 | 979.9 |
| 1990-1991 | 104.0 | 68.7 | 45.3 | 26.5 | 18.8 | 21.8 | 38.7 | 63.7 | 88.0 | 143.8 | 158.1 | 141.6 | 919.0 |
| 1991-1992 | 133.1 | 85.8 | 46.4 | 19.8 | 14.4 | 11.7 | 29.8 | 61.0 | 92.3 | 169.8 | 201.5 | 202.6 | 1068.2 |
| 1992-1993 | 129.1 | 81.5 | 44.6 | 16.1 | 17.4 | 16.9 | 34.6 | 57.0 | 84.9 | 172.9 | 204.8 | 178.0 | 1037.7 |
| 1993-1994 | 97.2 | 74.1 | 31.6 | 25.5 | 21.7 | 19.7 | 30.2 | 61.6 | 92.4 | 151.5 | 165.5 | 159.0 | 930.0 |
| 1994-1995 | 122.9 | 82.0 | 37.8 | 17.9 | 21.0 | 27.5 | 38.5 | 47.6 | 82.1 | 142.9 | 160.3 | 146.6 | 927.2 |
| 1995-1996 | 129.7 | 70.4 | 31.4 | 23.0 | 17.7 | 26.2 | 31.5 | 50.0 | 99.9 | 170.1 | 201.6 | 184.0 | 1035.3 |
| 1996-1997 | 110.1 | 64.5 | 44.6 | 33.4 | 23.9 | 18.4 | 27.7 | 47.0 | 91.4 | 160.9 | 197.1 | 150.9 | 969.9 |
| 1997-1998 | 104.7 | 63.4 | 41.7 | 23.4 | 17.0 | 22.8 | 27.2 | 65.4 | 84.5 | 154.6 | 191.9 | 178.8 | 975.5 |
| 1998-1999 | 106.0 | 67.2 | 44.0 | 23.6 | 21.4 | 22.0 | 31.7 | 49.7 | 92.1 | 139.8 | 170.6 | 157.0 | 925.0 |
| 1999-2000 | 113.8 | 69.4 | 38.2 | 26.6 | 11.5 | 19.1 | 26.8 | 55.0 | 83.2 | 162.4 | 192.6 | 165.0 | 963.6 |
| 2000-2001 | 108.1 | 59.3 | 38.8 | 22.9 | 20.3 | 22.7 | 42.8 | 60.4 | 82.9 | 143.6 | 168.8 | 157.7 | 928.3 |
| 2001-2002 | 116.6 | 71.5 | 37.6 | 22.0 | 14.2 | 25.6 | 36.9 | 52.5 | 82.9 | 153.0 | 189.6 | 159.3 | 961.8 |
| 2002-2003 | 110.0 | 66.6 | 42.7 | 19.1 | 23.5 | 15.4 | 25.1 | 50.4 | 99.3 | 149.0 | 186.6 | 169.9 | 957.6 |
| 2003-2004 | 110.0 | 67.1 | 40.7 | 24.4 | 16.6 | 19.5 | 37.3 | 60.2 | 85.1 | 148.4 | 183.2 | 156.7 | 949.2 |
| 2004-2005 | 108.6 | 74.3 | 41.4 | 19.4 | 19.9 | 20.1 | 35.7 | 58.1 | 86.2 | 138.4 | 169.6 | 157.9 | 929.7 |
| 2005-2006 | 108.5 | 57.4 | 32.3 | 24.8 | 17.3 | 23.8 | 35.6 | 60.4 | 86.9 | 147.9 | 175.1 | 156.3 | 926.2 |
| 2006-2007 | 112.3 | 65.7 | 32.6 | 20.5 | 16.3 | 22.8 | 32.8 | 49.1 | 85.9 | 145.3 | 171.7 | 153.4 | 908.4 |
| 2007-2008 | 109.1 | 73.8 | 41.8 | 23.5 | 16.8 | 20.6 | 41.5 | 56.1 | 74.1 | 139.4 | 157.0 | 144.2 | 897.9 |
| 2008-2009 | 112.0 | 69.2 | 48.7 | 25.2 | 20.9 | 22.7 | 29.3 | 52.9 | 81.2 | 154.3 | 164.1 | 150.9 | 931.5 |
| 2009-2010 | 102.8 | 75.5 | 40.3 | 29.1 | 23.1 | 25.8 | 38.7 | 56.9 | 79.3 | 127.1 | 153.3 | 165.0 | 916.9 |
| 2010-2011 | 115.9 | 70.6 | 55.2 | 32.9 | 20.3 | 23.1 | 32.6 | 49.1 | 72.9 | 129.7 | 160.2 | 151.5 | 914.0 |
| 2011-2012 | 121.1 | 67.7 | 32.0 | 25.5 | 16.9 | 19.2 | 28.5 | 55.6 | 81.6 | 164.7 | 192.8 | 187.9 | 993.4 |
| 2012-2013 | 110.7 | 67.3 | 41.9 | 23.7 | 17.4 | 25.8 | 32.9 | 55.7 | 88.7 | 128.8 | 164.2 | 154.4 | 911.6 |
| 2013-2014 | 111.8 | 64.0 | 51.0 | 20.3 | 25.3 | 28.0 | 39.9 | 61.7 | 80.9 | 138.7 | 163.9 | 157.4 | 942.9 |
| 2014-2015 | 116.1 | 70.6 | 42.4 | 32.5 | 19.8 | 22.9 | 38.5 | 50.7 | 89.7 | 129.0 | 172.2 | 171.2 | 955.4 |
| AVERAGE | 115.5 | 70.3 | 40.4 | 23.9 | 18.9 | 22.1 | 33.5 | 57.1 | 86.8 | 150.3 | 180.8 | 164.9 | |

**Table A. 103** Karpaz station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 177.7 | 172.4 | 136.3 | 132.4 | 128.3 | 120.3 | 136.9 | 142.2 | 163.3 | 179.6 | 195.2 | 190.1 | 1874.7 |
| 1979-1980 | 177.1 | 170.5 | 149.5 | 132.3 | 119.8 | 111.2 | 129.5 | 137.6 | 156.8 | 175 | 188.4 | 191.9 | 1839.6 |
| 1980-1981 | 173.9 | 164.1 | 145.1 | 132.9 | 125 | 113.2 | 138.1 | 143.8 | 155.8 | 178.1 | 197.5 | 196.8 | 1864.4 |
| 1981-1982 | 182.1 | 175.1 | 137.4 | 139 | 129.9 | 107.4 | 126.7 | 143.8 | 164.7 | 178.4 | 193.6 | 198 | 1876.1 |
| 1982-1983 | 185.6 | 173 | 138.8 | 128.5 | 118 | 110.3 | 130.3 | 140.9 | 165.4 | 172.4 | 195.4 | 194.5 | 1853.3 |
| 1983-1984 | 179 | 164 | 148.3 | 138.1 | 132.9 | 122.8 | 139.7 | 142.9 | 171.8 | 180.5 | 193.5 | 194.9 | 1908.5 |
| 1984-1985 | 180.2 | 179.3 | 142.4 | 131.4 | 134.1 | 110.8 | 135.7 | 146 | 170.5 | 179.7 | 196.2 | 201.4 | 1907.8 |
| 1985-1986 | 183.9 | 167.6 | 151.7 | 135.9 | 132.6 | 120.3 | 139.4 | 154.6 | 163.2 | 178 | 194.2 | 195.6 | 1917.2 |
| 1986-1987 | 184.1 | 166.1 | 134.8 | 124.8 | 128.9 | 122.6 | 126 | 140.1 | 161.3 | 174.9 | 199.3 | 200.3 | 1863.3 |
| 1987-1988 | 183.5 | 168.7 | 145.9 | 134.2 | 128.3 | 116 | 133.1 | 144.7 | 171 | 181.2 | 205.2 | 203 | 1915.0 |
| 1988-1989 | 184.8 | 171.2 | 138.9 | 135.5 | 122.4 | 116.8 | 140 | 156.9 | 173.9 | 176.8 | 198.3 | 195.7 | 1911.1 |
| 1989-1990 | 180.7 | 164.2 | 146.5 | 135.2 | 124.3 | 116.7 | 140.3 | 148.6 | 168.1 | 176.5 | 196.9 | 199.3 | 1897.3 |
| 1990-1991 | 181.1 | 175.2 | 153.9 | 141.1 | 130.8 | 118.5 | 144.1 | 152.5 | 171.8 | 181.7 | 194.8 | 195 | 1940.6 |
| 1991-1992 | 178.1 | 171.8 | 143.7 | 124.9 | 117.4 | 101 | 128.1 | 140.2 | 160.5 | 174.1 | 190.5 | 197.6 | 1827.8 |
| 1992-1993 | 180.1 | 172.6 | 144.6 | 121.8 | 123.1 | 108.1 | 133.7 | 140.4 | 159.9 | 178.5 | 195.3 | 194.1 | 1852.2 |
| 1993-1994 | 178.4 | 180 | 141.4 | 140.4 | 135.3 | 116.7 | 137.3 | 151.8 | 175 | 185.2 | 198.3 | 202.8 | 1942.5 |
| 1994-1995 | 189.4 | 183.8 | 146.5 | 129.6 | 133.4 | 123.8 | 143.5 | 142 | 167.9 | 180.6 | 194.7 | 196.1 | 1931.3 |
| 1995-1996 | 180.8 | 165.9 | 133.6 | 130.5 | 123.7 | 117.3 | 131.5 | 136.7 | 167.3 | 178.3 | 195 | 196.6 | 1857.3 |
| 1996-1997 | 178.6 | 167.2 | 149.4 | 145.4 | 134.7 | 112.5 | 131.5 | 138.7 | 168.8 | 181.8 | 201.1 | 192.5 | 1902.1 |
| 1997-1998 | 177.6 | 167.7 | 147.9 | 135.1 | 126.3 | 117.8 | 131.9 | 150.5 | 166.5 | 181.4 | 201.3 | 204.3 | 1908.4 |
| 1998-1999 | 182.6 | 174.5 | 153.1 | 137.9 | 134.7 | 118.9 | 138.4 | 144.2 | 174.5 | 180.9 | 199.7 | 201.7 | 1941.1 |
| 1999-2000 | 184.7 | 174.7 | 146.6 | 140.5 | 118.7 | 115.1 | 132.9 | 146.4 | 168.2 | 186.8 | 204.8 | 202.6 | 1922.0 |
| 2000-2001 | 183.9 | 168.5 | 148.5 | 137.1 | 133.3 | 119.8 | 147.9 | 151 | 169.7 | 182.4 | 199.3 | 202.2 | 1943.6 |
| 2001-2002 | 184.3 | 174.6 | 145 | 134 | 122.6 | 121.1 | 141 | 143.9 | 166.7 | 182 | 201.9 | 198.6 | 1915.6 |
| 2002-2003 | 182.5 | 172.2 | 150.5 | 130.9 | 136.4 | 110.4 | 131 | 143.4 | 176.3 | 181.9 | 202.5 | 204 | 1921.9 |
| 2003-2004 | 182.5 | 172.5 | 148.7 | 137.7 | 126.7 | 115.3 | 142 | 149.3 | 168.9 | 181.7 | 201.4 | 199.1 | 1925.8 |
| 2004-2005 | 183.6 | 179.5 | 150.5 | 132.1 | 132.5 | 116.7 | 141.7 | 149.3 | 171 | 180.1 | 199 | 201.7 | 1937.7 |
| 2005-2006 | 186.2 | 168.8 | 143.3 | 140.8 | 130 | 122 | 143.4 | 152.5 | 173.7 | 186.1 | 203.8 | 204 | 1954.5 |
| 2006-2007 | 191.5 | 178.3 | 145.6 | 136.7 | 129.9 | 122.4 | 142.6 | 147.3 | 175.9 | 188.4 | 206.4 | 206.6 | 1971.7 |
| 2007-2008 | 187.9 | 182.9 | 153.8 | 139.8 | 129.9 | 119.1 | 149.1 | 150.8 | 167.5 | 184.4 | 199.1 | 200.8 | 1965.2 |
| 2008-2009 | 184 | 174.5 | 156.1 | 139 | 133.2 | 119 | 135.3 | 145.2 | 167.1 | 184.2 | 195.7 | 197.4 | 1930.7 |
| 2009-2010 | 179.3 | 179 | 148.6 | 143.4 | 136 | 122 | 143.4 | 147.7 | 166.1 | 174.7 | 191.9 | 202.7 | 1934.8 |
| 2010-2011 | 185.7 | 175.5 | 161.3 | 147.5 | 132.3 | 119.4 | 138.2 | 142.8 | 162.3 | 175.6 | 194.2 | 197.6 | 1932.5 |
| 2011-2012 | 183.9 | 169.7 | 138 | 137 | 125.5 | 113.5 | 132.3 | 144.1 | 163.9 | 183.2 | 200.1 | 205.7 | 1896.8 |
| 2012-2013 | 186.7 | 176.1 | 152.5 | 139 | 129.7 | 123.7 | 140.4 | 149.2 | 174.1 | 178.5 | 199.4 | 202.6 | 1951.8 |
| 2013-2014 | 180.6 | 167.9 | 155.5 | 131.1 | 137.1 | 122.5 | 142.4 | 148.2 | 164.2 | 175.7 | 192 | 196.2 | 1913.5 |
| 2014-2015 | 181.1 | 171.3 | 147.3 | 144.2 | 129.4 | 117 | 140.4 | 140.8 | 167.7 | 171 | 193.1 | 199.4 | 1902.7 |
| AVERAGE | 182.4 | 172.5 | 146.5 | 135.6 | 128.8 | 116.8 | 137.3 | 145.7 | 167.6 | 179.7 | 197.5 | 199.0 | |

**Table A. 104** Karpaz station Blaney-Criddle station

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 136.6 | 63.79 | 45.9 | 42.34 | 42.23 | 43 | 53.82 | 115.7 | 142.5 | 162.3 | 173.6 | 159.2 | 1181.1 |
| 1979-1980 | 136.1 | 63.05 | 50.4 | 42.28 | 39.44 | 39.77 | 50.93 | 112 | 136.9 | 158.2 | 167.5 | 160.5 | 1157.1 |
| 1980-1981 | 133.7 | 60.69 | 48.89 | 42.52 | 41.16 | 40.52 | 54.32 | 117 | 136 | 161 | 175.6 | 164.7 | 1176.2 |
| 1981-1982 | 140 | 64.74 | 46.28 | 44.46 | 42.78 | 38.43 | 49.85 | 117 | 143.8 | 161.4 | 172.1 | 165.6 | 1186.4 |
| 1982-1983 | 142.7 | 63.99 | 46.77 | 41.12 | 38.87 | 39.46 | 51.26 | 114.7 | 144.4 | 155.9 | 173.8 | 162.8 | 1175.7 |
| 1983-1984 | 137.6 | 60.64 | 49.94 | 44.2 | 43.8 | 43.98 | 54.97 | 116.3 | 150 | 163.1 | 172.1 | 163.1 | 1199.7 |
| 1984-1985 | 138.6 | 66.29 | 47.98 | 42.05 | 44.15 | 39.64 | 53.37 | 118.9 | 148.9 | 162.4 | 174.4 | 168.5 | 1205.1 |
| 1985-1986 | 141.4 | 62 | 51.11 | 43.48 | 43.69 | 43.04 | 54.88 | 125.9 | 142.5 | 160.9 | 172.7 | 163.6 | 1205.2 |
| 1986-1987 | 141.6 | 61.4 | 45.43 | 39.94 | 42.45 | 43.88 | 49.56 | 114 | 140.8 | 158.1 | 177.2 | 167.6 | 1181.9 |
| 1987-1988 | 141.1 | 62.39 | 49.14 | 42.91 | 42.25 | 41.52 | 52.36 | 117.8 | 149.4 | 163.9 | 182.5 | 169.8 | 1215.0 |
| 1988-1989 | 142.1 | 63.32 | 46.79 | 43.33 | 40.32 | 41.77 | 55.06 | 127.7 | 151.8 | 159.9 | 176.3 | 163.7 | 1212.1 |
| 1989-1990 | 139 | 60.74 | 49.36 | 43.23 | 40.93 | 41.76 | 55.19 | 121 | 146.7 | 159.5 | 175.1 | 166.7 | 1199.2 |
| 1990-1991 | 139.2 | 64.81 | 51.86 | 45.15 | 43.08 | 42.39 | 56.71 | 124.1 | 150 | 164.3 | 173.2 | 163.2 | 1218.1 |
| 1991-1992 | 136.9 | 63.55 | 48.39 | 39.95 | 38.67 | 36.11 | 50.38 | 114.1 | 140.1 | 157.4 | 169.4 | 165.3 | 1160.3 |
| 1992-1993 | 138.5 | 63.81 | 48.73 | 38.94 | 40.52 | 38.7 | 52.6 | 114.2 | 139.6 | 161.4 | 173.7 | 162.5 | 1173.1 |
| 1993-1994 | 137.2 | 66.59 | 47.63 | 44.92 | 44.55 | 41.75 | 53.99 | 123.6 | 152.8 | 167.5 | 176.4 | 169.7 | 1226.6 |
| 1994-1995 | 145.6 | 68.01 | 49.36 | 41.43 | 43.93 | 44.3 | 56.45 | 115.6 | 146.6 | 163.3 | 173.1 | 164 | 1211.6 |
| 1995-1996 | 139 | 61.35 | 44.99 | 41.74 | 40.72 | 41.99 | 51.72 | 111.3 | 146.1 | 161.1 | 173.4 | 164.5 | 1177.9 |
| 1996-1997 | 137.3 | 61.85 | 50.33 | 46.49 | 44.36 | 40.25 | 51.71 | 112.9 | 147.3 | 164.4 | 178.8 | 161.1 | 1196.8 |
| 1997-1998 | 136.5 | 62.05 | 49.83 | 43.22 | 41.6 | 42.14 | 51.86 | 122.5 | 145.4 | 164 | 179 | 170.9 | 1209.0 |
| 1998-1999 | 140.4 | 64.55 | 51.59 | 44.11 | 44.36 | 42.55 | 54.44 | 117.3 | 152.3 | 163.5 | 177.5 | 168.7 | 1221.4 |
| 1999-2000 | 142 | 64.6 | 49.39 | 44.95 | 39.06 | 41.18 | 52.26 | 119.2 | 146.8 | 168.8 | 182.1 | 169.5 | 1220.0 |
| 2000-2001 | 141.4 | 62.34 | 50.01 | 43.86 | 43.9 | 42.86 | 58.17 | 122.9 | 148.1 | 164.9 | 177.2 | 169.1 | 1224.8 |
| 2001-2002 | 141.7 | 64.58 | 48.84 | 42.87 | 40.34 | 43.31 | 55.45 | 117.1 | 145.5 | 164.5 | 179.5 | 166.2 | 1209.9 |
| 2002-2003 | 140.3 | 63.69 | 50.71 | 41.86 | 44.91 | 39.52 | 51.52 | 116.7 | 153.9 | 164.5 | 180.1 | 170.7 | 1218.3 |
| 2003-2004 | 140.3 | 63.81 | 50.1 | 44.03 | 41.73 | 41.27 | 55.86 | 121.5 | 147.4 | 164.3 | 179 | 166.6 | 1215.9 |
| 2004-2005 | 141.2 | 66.38 | 50.72 | 42.26 | 43.64 | 41.76 | 55.74 | 121.5 | 149.3 | 162.8 | 176.9 | 168.7 | 1220.8 |
| 2005-2006 | 143.2 | 62.42 | 48.26 | 45.02 | 42.81 | 43.64 | 56.36 | 124.1 | 151.6 | 168.2 | 181.3 | 170.7 | 1237.6 |
| 2006-2007 | 147.2 | 65.96 | 49.04 | 43.72 | 42.8 | 43.81 | 56.09 | 120 | 153.6 | 170.3 | 183.5 | 172.9 | 1248.9 |
| 2007-2008 | 144.5 | 67.67 | 51.81 | 44.73 | 42.77 | 42.62 | 58.66 | 122.7 | 146.2 | 166.7 | 177 | 168 | 1233.3 |
| 2008-2009 | 141.4 | 64.55 | 52.57 | 44.46 | 43.86 | 42.58 | 53.22 | 118.2 | 145.9 | 166.5 | 174 | 165.2 | 1212.4 |
| 2009-2010 | 137.9 | 66.21 | 50.07 | 45.89 | 44.79 | 43.65 | 56.41 | 120.2 | 145 | 157.9 | 170.6 | 169.6 | 1208.1 |
| 2010-2011 | 142.8 | 64.92 | 54.34 | 47.2 | 43.59 | 42.71 | 54.37 | 116.2 | 141.7 | 158.8 | 172.7 | 165.3 | 1204.6 |
| 2011-2012 | 141.4 | 62.77 | 46.5 | 43.81 | 41.34 | 40.6 | 52.05 | 117.3 | 143.1 | 165.6 | 177.9 | 172.1 | 1204.4 |
| 2012-2013 | 143.5 | 65.13 | 51.36 | 44.45 | 42.72 | 44.26 | 55.24 | 121.4 | 152 | 161.3 | 177.3 | 169.5 | 1228.2 |
| 2013-2014 | 138.8 | 62.08 | 52.38 | 41.93 | 45.14 | 43.83 | 56.02 | 120.6 | 143.4 | 158.9 | 170.7 | 164.2 | 1198.0 |
| 2014-2015 | 139.2 | 63.36 | 49.61 | 46.14 | 42.61 | 41.86 | 55.24 | 114.6 | 146.4 | 154.6 | 171.7 | 166.9 | 1192.2 |
| AVERAGE | 140.2 | 63.8 | 49.4 | 43.4 | 42.4 | 41.8 | 54.0 | 118.6 | 146.3 | 162.5 | 175.6 | 166.5 | |

**Table A. 105** Karpaz station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 111.6 | 89.06 | 51.23 | 39.94 | 41.27 | 48.15 | 76.08 | 93.73 | 122.2 | 141.3 | 149.2 | 135.4 | 1099.2 |
| 1979-1980 | 111.3 | 87.98 | 58.68 | 39.87 | 36.48 | 43.04 | 71.95 | 91.17 | 118.5 | 138.7 | 145.3 | 136.4 | 1079.5 |
| 1980-1981 | 109.5 | 84.39 | 56.21 | 40.21 | 39.43 | 44.2 | 76.75 | 94.63 | 118 | 140.4 | 150.4 | 139.2 | 1093.4 |
| 1981-1982 | 114.1 | 90.54 | 51.85 | 43.64 | 42.17 | 40.94 | 70.37 | 94.61 | 123 | 140.6 | 148.2 | 139.8 | 1099.9 |
| 1982-1983 | 116.1 | 89.35 | 52.68 | 37.79 | 35.51 | 42.55 | 72.39 | 93.02 | 123.4 | 137.2 | 149.3 | 137.9 | 1087.2 |
| 1983-1984 | 112.4 | 84.32 | 57.97 | 43.18 | 43.86 | 49.58 | 77.66 | 94.13 | 126.9 | 141.7 | 148.2 | 138.1 | 1118.1 |
| 1984-1985 | 113.1 | 92.9 | 54.69 | 39.42 | 44.52 | 42.85 | 75.41 | 95.88 | 126.2 | 141.3 | 149.7 | 141.8 | 1117.8 |
| 1985-1986 | 115.1 | 86.33 | 59.89 | 41.94 | 43.71 | 48.17 | 77.52 | 100.7 | 122.1 | 140.4 | 148.6 | 138.5 | 1123.0 |
| 1986-1987 | 115.2 | 85.49 | 50.44 | 35.71 | 41.58 | 49.48 | 69.98 | 92.53 | 121.1 | 138.6 | 151.5 | 141.2 | 1092.8 |
| 1987-1988 | 114.9 | 86.93 | 56.65 | 40.93 | 41.28 | 45.78 | 73.97 | 95.13 | 126.5 | 142.2 | 154.8 | 142.7 | 1121.8 |
| 1988-1989 | 115.7 | 88.35 | 52.72 | 41.67 | 37.97 | 46.19 | 77.81 | 102 | 128.2 | 139.7 | 150.9 | 138.6 | 1119.6 |
| 1989-1990 | 113.4 | 84.44 | 56.99 | 41.49 | 39.04 | 46.15 | 77.98 | 97.33 | 124.9 | 139.5 | 150.1 | 140.6 | 1111.9 |
| 1990-1991 | 113.5 | 90.62 | 61.15 | 44.86 | 42.7 | 47.14 | 80.16 | 99.5 | 127 | 142.4 | 148.9 | 138.2 | 1136.2 |
| 1991-1992 | 111.9 | 88.71 | 55.39 | 35.72 | 35.18 | 37.31 | 71.15 | 92.59 | 120.6 | 138.2 | 146.5 | 139.6 | 1072.9 |
| 1992-1993 | 113 | 89.12 | 55.93 | 33.98 | 38.34 | 41.34 | 74.31 | 92.71 | 120.3 | 140.6 | 149.2 | 137.7 | 1086.6 |
| 1993-1994 | 112 | 93.32 | 54.11 | 44.46 | 45.2 | 46.12 | 76.3 | 99.12 | 128.7 | 144.4 | 150.9 | 142.6 | 1137.2 |
| 1994-1995 | 118.2 | 95.46 | 56.99 | 38.36 | 44.14 | 50.15 | 79.8 | 93.62 | 124.8 | 141.8 | 148.8 | 138.8 | 1130.9 |
| 1995-1996 | 113.4 | 85.4 | 49.73 | 38.86 | 38.68 | 46.49 | 73.08 | 90.64 | 124.5 | 140.5 | 149 | 139.1 | 1089.4 |
| 1996-1997 | 112.2 | 86.12 | 58.59 | 47.23 | 44.85 | 43.77 | 73.04 | 91.75 | 125.3 | 142.5 | 152.5 | 136.8 | 1114.6 |
| 1997-1998 | 111.6 | 86.42 | 57.76 | 41.49 | 40.16 | 46.77 | 73.28 | 98.4 | 124 | 142.2 | 152.6 | 143.4 | 1118.1 |
| 1998-1999 | 114.4 | 90.23 | 60.71 | 43.03 | 44.88 | 47.4 | 76.91 | 94.87 | 128.5 | 142 | 151.7 | 141.9 | 1136.4 |
| 1999-2000 | 115.6 | 90.32 | 57.03 | 44.5 | 35.86 | 45.25 | 73.83 | 96.1 | 125 | 145.3 | 154.6 | 142.5 | 1125.7 |
| 2000-2001 | 115.1 | 86.86 | 58.08 | 42.61 | 44.07 | 47.87 | 82.27 | 98.69 | 125.8 | 142.8 | 151.5 | 142.2 | 1137.9 |
| 2001-2002 | 115.4 | 90.25 | 56.12 | 40.85 | 38.04 | 48.6 | 78.38 | 94.67 | 124.1 | 142.6 | 152.9 | 140.2 | 1122.1 |
| 2002-2003 | 114.4 | 88.93 | 59.21 | 39.1 | 45.8 | 42.62 | 72.79 | 94.39 | 129.5 | 142.5 | 153.2 | 143.2 | 1125.7 |
| 2003-2004 | 114.3 | 89.1 | 58.24 | 42.91 | 40.39 | 45.37 | 78.95 | 97.73 | 125.3 | 142.4 | 152.6 | 140.5 | 1127.9 |
| 2004-2005 | 115 | 92.99 | 59.24 | 39.78 | 43.65 | 46.15 | 78.79 | 97.72 | 126.5 | 141.5 | 151.3 | 141.9 | 1134.5 |
| 2005-2006 | 116.4 | 87.01 | 55.18 | 44.65 | 42.22 | 49.09 | 79.72 | 99.51 | 128 | 144.9 | 154 | 143.2 | 1144.0 |
| 2006-2007 | 119.4 | 92.34 | 56.48 | 42.38 | 42.19 | 49.35 | 79.29 | 96.61 | 129.3 | 146.2 | 155.4 | 144.7 | 1153.6 |
| 2007-2008 | 117.4 | 94.95 | 61.09 | 44.11 | 42.15 | 47.49 | 82.95 | 98.54 | 124.6 | 143.9 | 151.3 | 141.4 | 1149.9 |
| 2008-2009 | 115.2 | 90.23 | 62.34 | 43.67 | 44.02 | 47.44 | 75.19 | 95.41 | 124.4 | 143.8 | 149.4 | 139.5 | 1130.6 |
| 2009-2010 | 112.6 | 92.75 | 58.16 | 46.15 | 45.6 | 49.12 | 79.76 | 96.8 | 123.7 | 138.5 | 147.3 | 142.5 | 1132.9 |
| 2010-2011 | 116.2 | 90.79 | 65.29 | 48.45 | 43.54 | 47.64 | 76.83 | 94.04 | 121.7 | 139 | 148.6 | 139.6 | 1131.6 |
| 2011-2012 | 115.1 | 87.52 | 52.21 | 42.51 | 39.73 | 44.34 | 73.52 | 94.8 | 122.5 | 143.3 | 151.9 | 144.2 | 1111.6 |
| 2012-2013 | 116.7 | 91.12 | 60.33 | 43.63 | 42.07 | 50.07 | 78.07 | 97.64 | 128.3 | 140.6 | 151.5 | 142.4 | 1142.4 |
| 2013-2014 | 113.3 | 86.49 | 62.01 | 39.22 | 46.2 | 49.39 | 79.19 | 97.11 | 122.7 | 139.1 | 147.4 | 138.9 | 1120.9 |
| 2014-2015 | 113.6 | 88.41 | 57.42 | 46.58 | 41.88 | 46.31 | 78.07 | 92.94 | 124.6 | 136.4 | 148 | 140.7 | 1114.9 |
| AVERAGE | 114.3 | 89.1 | 57.0 | 41.8 | 41.6 | 46.2 | 76.3 | 95.7 | 124.6 | 141.3 | 150.5 | 140.4 | |

**Table A. 106** Lapta station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 99.7 | 71.8 | 39.8 | 32.3 | 32.1 | 36.6 | 53.5 | 75.5 | 108.6 | 160.7 | 176.8 | 149.5 | 1037.0 |
| 1979-1980 | 109.9 | 72.1 | 45.5 | 30.6 | 28.3 | 31.8 | 50.5 | 72.1 | 105.2 | 149.0 | 172.2 | 158.7 | 1026.0 |
| 1980-1981 | 99.4 | 70.6 | 44.4 | 32.4 | 29.0 | 32.8 | 55.9 | 75.7 | 101.2 | 155.6 | 180.8 | 157.7 | 1035.6 |
| 1981-1982 | 105.9 | 74.6 | 39.5 | 34.2 | 30.9 | 29.8 | 47.4 | 75.0 | 108.7 | 146.6 | 164.4 | 152.9 | 1009.9 |
| 1982-1983 | 111.0 | 72.6 | 34.8 | 28.5 | 25.3 | 28.7 | 46.4 | 65.2 | 105.4 | 133.4 | 168.1 | 144.2 | 963.5 |
| 1983-1984 | 105.4 | 65.6 | 46.4 | 31.4 | 31.2 | 36.6 | 53.9 | 72.9 | 121.9 | 147.8 | 152.7 | 137.6 | 1003.4 |
| 1984-1985 | 102.0 | 68.1 | 43.8 | 33.4 | 32.4 | 29.9 | 52.6 | 80.1 | 117.1 | 144.0 | 171.5 | 151.4 | 1026.4 |
| 1985-1986 | 111.8 | 66.5 | 44.7 | 32.3 | 31.9 | 35.7 | 53.5 | 80.5 | 104.8 | 152.0 | 171.6 | 154.0 | 1039.3 |
| 1986-1987 | 112.7 | 70.1 | 38.8 | 30.9 | 32.8 | 34.0 | 43.8 | 69.7 | 103.4 | 151.3 | 186.8 | 155.0 | 1029.3 |
| 1987-1988 | 107.7 | 67.7 | 41.5 | 33.7 | 31.5 | 33.8 | 51.8 | 74.8 | 113.7 | 147.1 | 181.5 | 155.9 | 1040.6 |
| 1988-1989 | 117.1 | 64.8 | 34.3 | 28.0 | 27.7 | 30.8 | 53.8 | 81.4 | 127.7 | 149.8 | 184.8 | 148.9 | 1049.0 |
| 1989-1990 | 103.7 | 64.0 | 39.5 | 28.1 | 26.2 | 32.7 | 52.5 | 76.5 | 110.0 | 145.8 | 162.5 | 141.1 | 982.4 |
| 1990-1991 | 85.3 | 74.6 | 38.4 | 27.6 | 24.1 | 30.1 | 57.7 | 76.5 | 111.7 | 144.3 | 171.4 | 144.9 | 986.7 |
| 1991-1992 | 96.6 | 72.7 | 38.7 | 25.4 | 24.8 | 25.4 | 45.0 | 67.3 | 96.9 | 122.5 | 154.0 | 162.4 | 931.8 |
| 1992-1993 | 92.7 | 67.6 | 39.5 | 25.4 | 27.3 | 30.1 | 46.7 | 67.7 | 96.1 | 150.6 | 186.7 | 158.0 | 988.3 |
| 1993-1994 | 99.2 | 72.3 | 39.2 | 32.6 | 31.7 | 33.1 | 46.4 | 73.1 | 109.6 | 152.1 | 181.4 | 164.0 | 1034.8 |
| 1994-1995 | 114.0 | 77.5 | 37.4 | 30.9 | 30.0 | 33.1 | 46.2 | 70.0 | 113.4 | 164.5 | 195.3 | 157.7 | 1070.2 |
| 1995-1996 | 108.4 | 71.3 | 37.5 | 30.0 | 29.0 | 36.2 | 51.6 | 70.5 | 122.0 | 167.7 | 188.0 | 165.0 | 1077.2 |
| 1996-1997 | 110.4 | 67.8 | 45.6 | 35.1 | 33.4 | 31.6 | 46.7 | 67.8 | 122.0 | 175.9 | 211.6 | 156.1 | 1104.0 |
| 1997-1998 | 105.2 | 71.8 | 43.3 | 32.6 | 30.8 | 36.4 | 51.3 | 83.9 | 114.6 | 164.0 | 205.1 | 179.4 | 1118.5 |
| 1998-1999 | 112.9 | 77.1 | 47.4 | 34.6 | 34.0 | 38.3 | 54.1 | 74.0 | 124.0 | 169.1 | 194.0 | 163.1 | 1122.5 |
| 1999-2000 | 112.8 | 77.2 | 42.5 | 33.3 | 25.8 | 31.5 | 47.3 | 72.1 | 112.0 | 173.4 | 211.5 | 167.5 | 1106.8 |
| 2000-2001 | 117.1 | 75.7 | 47.0 | 31.2 | 30.9 | 35.7 | 59.9 | 80.9 | 123.3 | 160.8 | 194.8 | 172.1 | 1129.3 |
| 2001-2002 | 110.1 | 72.8 | 41.1 | 30.1 | 26.4 | 35.4 | 54.3 | 73.5 | 119.2 | 164.0 | 202.2 | 162.2 | 1091.4 |
| 2002-2003 | 107.8 | 69.7 | 44.1 | 27.7 | 31.5 | 28.5 | 44.9 | 72.6 | 137.1 | 171.1 | 207.0 | 181.3 | 1123.4 |
| 2003-2004 | 112.6 | 74.6 | 40.7 | 28.5 | 27.7 | 31.9 | 54.6 | 72.0 | 114.2 | 159.7 | 207.4 | 164.8 | 1088.8 |
| 2004-2005 | 110.3 | 76.7 | 40.8 | 27.8 | 29.3 | 31.0 | 53.1 | 78.0 | 119.6 | 154.4 | 197.9 | 177.1 | 1096.1 |
| 2005-2006 | 124.8 | 72.0 | 42.2 | 35.3 | 29.5 | 35.6 | 57.8 | 83.6 | 172.8 | 177.4 | 206.5 | 183.8 | 1221.4 |
| 2006-2007 | 122.4 | 77.2 | 40.6 | 30.4 | 29.6 | 33.6 | 55.6 | 73.3 | 123.6 | 179.1 | 201.9 | 177.1 | 1144.2 |
| 2007-2008 | 114.0 | 84.4 | 45.4 | 31.5 | 28.7 | 32.5 | 60.7 | 81.5 | 124.9 | 184.9 | 215.0 | 182.3 | 1185.8 |
| 2008-2009 | 120.6 | 73.6 | 50.7 | 30.8 | 30.9 | 35.8 | 53.3 | 75.1 | 112.6 | 163.2 | 188.7 | 165.1 | 1100.4 |
| 2009-2010 | 110.1 | 79.4 | 45.4 | 35.1 | 33.8 | 36.9 | 56.8 | 78.5 | 115.1 | 149.9 | 174.8 | 177.1 | 1092.8 |
| 2010-2011 | 120.0 | 78.3 | 49.6 | 37.2 | 32.6 | 36.2 | 53.9 | 73.6 | 110.6 | 152.9 | 181.8 | 167.3 | 1094.1 |
| 2011-2012 | 117.7 | 73.3 | 39.9 | 31.9 | 29.8 | 33.3 | 49.3 | 73.5 | 109.4 | 151.7 | 192.6 | 171.6 | 1073.9 |
| 2012-2013 | 111.4 | 77.0 | 47.7 | 33.8 | 31.4 | 37.9 | 55.0 | 77.9 | 121.5 | 152.0 | 179.9 | 167.4 | 1092.9 |
| 2013-2014 | 110.3 | 69.3 | 47.8 | 30.6 | 34.5 | 36.9 | 57.0 | 76.4 | 109.2 | 150.2 | 174.1 | 162.6 | 1058.9 |
| 2014-2015 | 114.0 | 73.6 | 43.2 | 36.3 | 30.7 | 35.2 | 55.7 | 70.8 | 112.7 | 140.7 | 175.7 | 169.4 | 1057.9 |
| AVERAGE | 109.4 | 72.6 | 42.4 | 31.4 | 29.9 | 33.4 | 52.2 | 74.7 | 115.6 | 156.2 | 185.8 | 162.3 | |

**Table A. 107** Lapta station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 113.8 | 80.0 | 40.0 | 28.5 | 24.1 | 30.1 | 37.9 | 61.7 | 87.6 | 159.6 | 169.3 | 136.5 | 969.1 |
| 1979-1980 | 135.9 | 83.8 | 54.4 | 26.0 | 18.4 | 21.6 | 34.3 | 58.5 | 86.4 | 149.8 | 170.5 | 152.2 | 991.9 |
| 1980-1981 | 114.9 | 78.9 | 50.6 | 29.0 | 19.1 | 22.9 | 42.4 | 62.8 | 78.6 | 154.9 | 176.4 | 147.3 | 978.0 |
| 1981-1982 | 132.8 | 90.7 | 42.2 | 34.6 | 23.5 | 18.1 | 29.9 | 65.3 | 93.8 | 150.5 | 165.1 | 149.5 | 995.8 |
| 1982-1983 | 168.1 | 103.0 | 37.6 | 26.2 | 15.8 | 19.0 | 33.5 | 57.3 | 105.4 | 155.6 | 201.0 | 163.4 | 1085.9 |
| 1983-1984 | 128.6 | 72.2 | 56.5 | 27.7 | 23.6 | 31.3 | 40.2 | 60.0 | 110.0 | 148.5 | 146.0 | 128.3 | 973.0 |
| 1984-1985 | 119.8 | 74.9 | 49.5 | 31.3 | 25.2 | 17.4 | 37.0 | 70.6 | 100.9 | 139.6 | 166.0 | 141.1 | 973.4 |
| 1985-1986 | 130.8 | 69.3 | 49.5 | 27.9 | 23.5 | 27.7 | 37.1 | 68.4 | 80.8 | 144.9 | 159.8 | 138.8 | 958.4 |
| 1986-1987 | 142.1 | 81.1 | 40.0 | 26.9 | 26.6 | 26.2 | 23.5 | 55.0 | 84.8 | 154.8 | 190.5 | 149.6 | 1000.9 |
| 1987-1988 | 126.7 | 72.6 | 43.7 | 31.1 | 23.1 | 24.5 | 34.9 | 60.4 | 94.3 | 140.9 | 174.6 | 143.2 | 970.0 |
| 1988-1989 | 148.7 | 70.8 | 30.1 | 20.7 | 17.4 | 19.6 | 40.1 | 74.8 | 118.3 | 151.8 | 187.1 | 141.8 | 1021.4 |
| 1989-1990 | 141.4 | 77.6 | 46.2 | 23.4 | 16.4 | 26.2 | 42.4 | 74.5 | 104.7 | 163.8 | 177.9 | 147.6 | 1041.9 |
| 1990-1991 | 105.9 | 99.9 | 43.9 | 22.5 | 12.7 | 20.6 | 53.0 | 75.1 | 108.2 | 162.5 | 191.8 | 153.5 | 1049.6 |
| 1991-1992 | 151.6 | 112.8 | 52.7 | 20.6 | 16.2 | 13.2 | 33.5 | 67.6 | 99.2 | 149.2 | 196.0 | 204.9 | 1117.5 |
| 1992-1993 | 125.3 | 88.7 | 48.2 | 18.3 | 19.3 | 21.4 | 32.8 | 60.3 | 86.2 | 179.1 | 221.0 | 176.3 | 1076.8 |
| 1993-1994 | 116.9 | 83.7 | 40.2 | 30.1 | 24.2 | 23.9 | 27.2 | 59.8 | 92.0 | 153.1 | 180.7 | 157.1 | 988.9 |
| 1994-1995 | 135.0 | 88.5 | 34.5 | 25.3 | 20.4 | 22.8 | 25.7 | 51.9 | 92.8 | 162.3 | 188.3 | 143.5 | 991.1 |
| 1995-1996 | 124.1 | 76.6 | 34.2 | 23.1 | 18.4 | 28.2 | 33.6 | 51.8 | 102.4 | 163.8 | 176.9 | 148.9 | 982.1 |
| 1996-1997 | 119.2 | 66.4 | 47.6 | 31.2 | 24.3 | 18.4 | 24.3 | 44.5 | 96.1 | 163.2 | 190.5 | 131.4 | 957.2 |
| 1997-1998 | 107.2 | 69.9 | 41.5 | 25.4 | 19.5 | 26.0 | 29.8 | 65.8 | 83.8 | 143.1 | 176.9 | 148.2 | 937.0 |
| 1998-1999 | 111.6 | 73.7 | 46.5 | 27.5 | 23.1 | 27.6 | 32.0 | 48.7 | 89.7 | 140.9 | 157.0 | 126.5 | 904.8 |
| 1999-2000 | 125.6 | 83.2 | 42.6 | 28.4 | 12.8 | 18.7 | 25.8 | 52.1 | 86.0 | 164.2 | 194.9 | 145.7 | 979.9 |
| 2000-2001 | 117.9 | 72.3 | 46.0 | 22.0 | 18.7 | 23.5 | 40.3 | 58.5 | 89.4 | 132.7 | 158.8 | 135.2 | 915.1 |
| 2001-2002 | 123.0 | 77.1 | 40.3 | 22.6 | 13.9 | 26.0 | 36.9 | 55.0 | 96.0 | 154.4 | 187.4 | 142.0 | 974.7 |
| 2002-2003 | 117.2 | 70.5 | 45.4 | 17.8 | 21.6 | 13.6 | 22.1 | 52.5 | 115.8 | 159.9 | 188.7 | 157.8 | 982.9 |
| 2003-2004 | 129.3 | 81.4 | 40.3 | 20.0 | 16.2 | 19.9 | 38.1 | 53.7 | 91.3 | 151.8 | 196.5 | 147.2 | 985.7 |
| 2004-2005 | 123.0 | 83.2 | 39.6 | 18.4 | 18.3 | 18.0 | 35.0 | 61.8 | 96.3 | 142.0 | 182.3 | 156.4 | 974.3 |
| 2005-2006 | 113.1 | 59.3 | 33.3 | 25.6 | 15.0 | 20.7 | 33.1 | 54.9 | 125.6 | 133.5 | 150.6 | 129.6 | 894.4 |
| 2006-2007 | 127.9 | 76.2 | 35.6 | 21.1 | 17.2 | 20.5 | 35.2 | 49.4 | 92.0 | 156.6 | 169.6 | 142.8 | 944.1 |
| 2007-2008 | 106.9 | 79.5 | 40.6 | 21.0 | 14.7 | 17.2 | 39.0 | 55.7 | 85.9 | 149.3 | 167.2 | 135.9 | 913.1 |
| 2008-2009 | 129.2 | 72.9 | 55.4 | 22.3 | 19.7 | 25.0 | 32.9 | 53.4 | 81.7 | 142.8 | 161.1 | 135.7 | 932.2 |
| 2009-2010 | 112.3 | 80.1 | 44.7 | 29.4 | 23.7 | 26.4 | 37.2 | 57.1 | 83.1 | 124.7 | 143.9 | 144.1 | 906.9 |
| 2010-2011 | 125.1 | 78.0 | 52.1 | 33.0 | 21.8 | 25.0 | 32.9 | 49.9 | 77.5 | 127.3 | 150.1 | 134.4 | 907.2 |
| 2011-2012 | 137.5 | 79.5 | 38.7 | 26.6 | 19.7 | 22.6 | 29.8 | 56.1 | 85.5 | 142.0 | 180.9 | 154.6 | 973.5 |
| 2012-2013 | 115.2 | 77.3 | 49.2 | 27.4 | 20.3 | 28.3 | 35.0 | 56.8 | 91.2 | 128.1 | 150.3 | 136.4 | 915.5 |
| 2013-2014 | 121.7 | 70.2 | 53.0 | 23.2 | 26.6 | 28.4 | 40.6 | 58.6 | 82.3 | 135.0 | 154.4 | 140.6 | 934.6 |
| 2014-2015 | 128.6 | 78.1 | 44.5 | 34.5 | 20.7 | 25.5 | 39.0 | 50.7 | 87.6 | 124.4 | 158.0 | 148.9 | 940.4 |
| AVERAGE | 125.8 | 79.3 | 44.1 | 25.7 | 19.9 | 22.9 | 34.5 | 58.7 | 93.6 | 148.7 | 174.6 | 146.4 | |

**Table A. 108** Lapta station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 176.8 | 173 | 144.9 | 141.6 | 137.4 | 125.6 | 142.1 | 149 | 166.3 | 184.3 | 197.1 | 194.8 | 1932.9 |
| 1979-1980 | 183.5 | 173.3 | 154.1 | 137.8 | 128.6 | 116.6 | 138 | 145.8 | 164 | 179.1 | 195.3 | 198.9 | 1915.1 |
| 1980-1981 | 176.6 | 171.9 | 152.5 | 141.7 | 130.3 | 118.6 | 145.2 | 149.2 | 161.3 | 182.1 | 198.7 | 198.5 | 1926.5 |
| 1981-1982 | 180.9 | 175.7 | 144.4 | 145.6 | 134.7 | 112.4 | 133.6 | 148.6 | 166.3 | 178 | 192 | 196.3 | 1908.6 |
| 1982-1983 | 184.1 | 173.8 | 135.8 | 132.6 | 120.6 | 110.1 | 132.1 | 139 | 164.2 | 171.6 | 193.6 | 192.2 | 1849.6 |
| 1983-1984 | 180.6 | 166.7 | 155.4 | 139.4 | 135.6 | 125.5 | 142.7 | 146.6 | 174.4 | 178.6 | 186.8 | 188.9 | 1921.1 |
| 1984-1985 | 178.4 | 169.3 | 151.5 | 144 | 138.2 | 112.6 | 140.9 | 153.1 | 171.6 | 176.8 | 194.9 | 195.6 | 1926.8 |
| 1985-1986 | 184.6 | 167.7 | 152.9 | 141.5 | 137.2 | 124 | 142.1 | 153.3 | 163.7 | 180.4 | 195 | 196.9 | 1939.3 |
| 1986-1987 | 185.1 | 171.4 | 143.2 | 138.4 | 139 | 120.8 | 128 | 143.5 | 162.8 | 180.2 | 201 | 197.3 | 1910.6 |
| 1987-1988 | 182.1 | 168.8 | 147.9 | 144.4 | 136.2 | 120.5 | 139.8 | 148.3 | 169.5 | 178.2 | 199 | 197.7 | 1932.4 |
| 1988-1989 | 187.8 | 165.8 | 134.9 | 131.4 | 127.1 | 114.5 | 142.5 | 154.1 | 177.6 | 179.5 | 200.2 | 194.5 | 1909.9 |
| 1989-1990 | 179.5 | 164.9 | 144.4 | 131.7 | 123.1 | 118.3 | 140.8 | 149.9 | 167.1 | 177.6 | 191.1 | 190.7 | 1879.1 |
| 1990-1991 | 166.2 | 175.7 | 142.6 | 130.5 | 117.4 | 113.1 | 147.4 | 149.9 | 168.3 | 177 | 194.9 | 192.6 | 1875.4 |
| 1991-1992 | 174.7 | 173.9 | 143.1 | 124.6 | 119.3 | 102.4 | 129.8 | 141.2 | 158.3 | 165.8 | 187.4 | 200.6 | 1821.0 |
| 1992-1993 | 171.8 | 168.8 | 144.4 | 124.7 | 126.1 | 113 | 132.5 | 141.6 | 157.6 | 179.8 | 200.9 | 198.6 | 1859.9 |
| 1993-1994 | 176.4 | 173.6 | 144 | 142.3 | 136.6 | 119.1 | 132.1 | 146.8 | 166.9 | 180.5 | 198.9 | 201.3 | 1918.4 |
| 1994-1995 | 185.9 | 178.4 | 140.7 | 138.5 | 132.8 | 119.1 | 131.8 | 143.8 | 169.3 | 185.9 | 204.1 | 198.5 | 1928.9 |
| 1995-1996 | 182.5 | 172.5 | 141 | 136.4 | 130.4 | 124.7 | 139.5 | 144.3 | 174.5 | 187.2 | 201.4 | 201.7 | 1936.1 |
| 1996-1997 | 183.7 | 169 | 154.3 | 147.5 | 140.4 | 116.1 | 132.5 | 141.6 | 174.5 | 190.4 | 209.8 | 197.8 | 1957.5 |
| 1997-1998 | 180.4 | 173 | 150.7 | 142.2 | 134.7 | 125.2 | 139.1 | 156.2 | 170.1 | 185.6 | 207.6 | 207.6 | 1972.4 |
| 1998-1999 | 185.3 | 178 | 156.9 | 146.3 | 141.5 | 128.4 | 142.8 | 147.6 | 175.6 | 187.7 | 203.6 | 200.9 | 1994.8 |
| 1999-2000 | 185.2 | 178.1 | 149.4 | 143.7 | 122.2 | 115.9 | 133.4 | 145.8 | 168.4 | 189.5 | 209.7 | 202.7 | 1944.0 |
| 2000-2001 | 187.8 | 176.7 | 156.3 | 139.2 | 134.8 | 123.9 | 150 | 153.7 | 175.2 | 184.3 | 203.9 | 204.7 | 1990.4 |
| 2001-2002 | 183.6 | 174 | 147.1 | 136.6 | 123.9 | 123.4 | 143.2 | 147.2 | 172.8 | 185.7 | 206.6 | 200.5 | 1944.4 |
| 2002-2003 | 182.2 | 170.9 | 152 | 130.7 | 136.2 | 109.6 | 129.7 | 146.3 | 182.7 | 188.5 | 208.2 | 208.4 | 1945.4 |
| 2003-2004 | 185.1 | 175.7 | 146.6 | 132.7 | 127.2 | 116.7 | 143.6 | 145.8 | 169.8 | 183.9 | 208.4 | 201.6 | 1937.0 |
| 2004-2005 | 183.7 | 177.7 | 146.6 | 131 | 131 | 114.9 | 141.6 | 151.2 | 173.1 | 181.6 | 205 | 206.7 | 1944.2 |
| 2005-2006 | 192.1 | 173.2 | 149 | 147.8 | 131.6 | 123.7 | 147.5 | 155.9 | 199 | 191 | 208 | 209.3 | 2028.2 |
| 2006-2007 | 190.8 | 178.1 | 146.3 | 137.3 | 131.8 | 120 | 144.8 | 146.9 | 175.4 | 191.7 | 206.4 | 206.7 | 1976.1 |
| 2007-2008 | 186 | 184.4 | 153.9 | 139.7 | 129.6 | 117.9 | 150.9 | 154.2 | 176.1 | 193.8 | 210.9 | 208.7 | 2006.3 |
| 2008-2009 | 189.8 | 174.7 | 161.5 | 138.2 | 134.9 | 124.1 | 141.8 | 148.7 | 168.8 | 185.3 | 201.6 | 201.7 | 1971.2 |
| 2009-2010 | 183.5 | 180 | 154 | 147.3 | 141.3 | 126.1 | 146.3 | 151.6 | 170.3 | 179.5 | 196.3 | 206.7 | 1982.9 |
| 2010-2011 | 189.4 | 179.1 | 160 | 151.5 | 138.7 | 124.8 | 142.7 | 147.3 | 167.6 | 180.9 | 199 | 202.6 | 1983.5 |
| 2011-2012 | 188.1 | 174.5 | 145 | 140.7 | 132.4 | 119.4 | 136.3 | 147.1 | 166.8 | 180.3 | 203.1 | 204.5 | 1938.2 |
| 2012-2013 | 184.4 | 178 | 157.3 | 144.7 | 136.1 | 127.7 | 144 | 151.2 | 174.2 | 180.5 | 198.3 | 202.7 | 1978.9 |
| 2013-2014 | 183.7 | 170.5 | 157.5 | 137.6 | 142.7 | 126 | 146.6 | 149.8 | 166.6 | 179.6 | 196 | 200.7 | 1957.3 |
| 2014-2015 | 185.9 | 174.8 | 150.6 | 149.8 | 134.4 | 123 | 144.9 | 144.6 | 168.9 | 175.2 | 196.7 | 203.5 | 1952.3 |
| AVERAGE | 182.9 | 173.7 | 149.0 | 139.2 | 132.3 | 119.4 | 140.1 | 148.1 | 170.3 | 182.1 | 200.3 | 200.4 | |

**Table A. 109** Lapta station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 135.9 | 63.99 | 48.82 | 45.29 | 45.25 | 44.92 | 55.9 | 121.2 | 145.1 | 166.5 | 175.2 | 162.9 | 1211.1 |
| 1979-1980 | 141 | 64.1 | 51.92 | 44.06 | 42.34 | 41.72 | 54.28 | 118.7 | 143.2 | 161.9 | 173.6 | 166.4 | 1203.2 |
| 1980-1981 | 135.8 | 63.55 | 51.36 | 45.33 | 42.9 | 42.42 | 57.12 | 121.4 | 140.8 | 164.6 | 176.6 | 166.1 | 1207.8 |
| 1981-1982 | 139.1 | 64.99 | 48.65 | 46.57 | 44.36 | 40.21 | 52.53 | 120.9 | 145.2 | 160.9 | 170.7 | 164.2 | 1198.2 |
| 1982-1983 | 141.5 | 64.28 | 45.73 | 42.41 | 39.72 | 39.36 | 51.95 | 113.1 | 143.3 | 155.1 | 172.1 | 160.8 | 1169.3 |
| 1983-1984 | 138.8 | 61.64 | 52.36 | 44.6 | 44.65 | 44.89 | 56.1 | 119.3 | 152.2 | 161.4 | 166 | 158 | 1200.0 |
| 1984-1985 | 137.1 | 62.61 | 51.04 | 46.06 | 45.5 | 40.28 | 55.4 | 124.5 | 149.8 | 159.8 | 173.3 | 163.6 | 1209.0 |
| 1985-1986 | 141.9 | 62 | 51.51 | 45.27 | 45.15 | 44.34 | 55.88 | 124.8 | 142.9 | 163.1 | 173.3 | 164.7 | 1214.9 |
| 1986-1987 | 142.3 | 63.37 | 48.23 | 44.25 | 45.76 | 43.23 | 50.35 | 116.8 | 142.1 | 162.8 | 178.7 | 165 | 1203.0 |
| 1987-1988 | 140 | 62.43 | 49.81 | 46.19 | 44.82 | 43.1 | 54.97 | 120.7 | 147.9 | 161.1 | 176.9 | 165.4 | 1213.3 |
| 1988-1989 | 144.3 | 61.3 | 45.44 | 42.02 | 41.85 | 40.94 | 56.04 | 125.4 | 155.1 | 162.2 | 178 | 162.7 | 1215.3 |
| 1989-1990 | 138 | 60.98 | 48.63 | 42.1 | 40.54 | 42.32 | 55.37 | 121.9 | 145.9 | 160.6 | 169.9 | 159.5 | 1185.7 |
| 1990-1991 | 127.7 | 64.97 | 48.02 | 41.72 | 38.64 | 40.45 | 57.99 | 122 | 146.9 | 159.9 | 173.3 | 161.1 | 1182.6 |
| 1991-1992 | 134.3 | 64.29 | 48.2 | 39.84 | 39.29 | 36.61 | 51.07 | 114.9 | 138.1 | 149.9 | 166.6 | 167.8 | 1150.8 |
| 1992-1993 | 132.1 | 62.4 | 48.63 | 39.88 | 41.5 | 40.43 | 52.1 | 115.2 | 137.6 | 162.5 | 178.6 | 166.2 | 1177.2 |
| 1993-1994 | 135.6 | 64.18 | 48.49 | 45.5 | 44.98 | 42.61 | 51.93 | 119.4 | 145.7 | 163.1 | 176.8 | 168.4 | 1206.8 |
| 1994-1995 | 142.9 | 65.97 | 47.38 | 44.29 | 43.73 | 42.62 | 51.84 | 117 | 147.8 | 168 | 181.5 | 166.1 | 1219.1 |
| 1995-1996 | 140.3 | 63.79 | 47.48 | 43.62 | 42.91 | 44.62 | 54.88 | 117.4 | 152.3 | 169.2 | 179 | 168.7 | 1224.3 |
| 1996-1997 | 141.3 | 62.48 | 51.96 | 47.17 | 46.2 | 41.53 | 52.1 | 115.2 | 152.3 | 172.1 | 186.5 | 165.4 | 1234.3 |
| 1997-1998 | 138.7 | 63.97 | 50.77 | 45.47 | 44.33 | 44.79 | 54.7 | 127.1 | 148.4 | 167.8 | 184.5 | 173.7 | 1244.2 |
| 1998-1999 | 142.4 | 65.83 | 52.86 | 46.81 | 46.61 | 45.92 | 56.17 | 120.1 | 153.3 | 169.7 | 181 | 168 | 1248.7 |
| 1999-2000 | 142.4 | 65.87 | 50.34 | 45.94 | 40.22 | 41.45 | 52.44 | 118.6 | 147 | 171.2 | 186.4 | 169.6 | 1231.6 |
| 2000-2001 | 144.3 | 65.36 | 52.63 | 44.52 | 44.36 | 44.31 | 59.01 | 125 | 152.9 | 166.6 | 181.3 | 171.2 | 1251.6 |
| 2001-2002 | 141.1 | 64.36 | 49.56 | 43.68 | 40.78 | 44.13 | 56.31 | 119.7 | 150.8 | 167.8 | 183.6 | 167.7 | 1229.6 |
| 2002-2003 | 140 | 63.21 | 51.19 | 41.79 | 44.85 | 39.22 | 51 | 119.1 | 159.5 | 170.4 | 185.1 | 174.3 | 1239.6 |
| 2003-2004 | 142.3 | 64.99 | 49.36 | 42.45 | 41.87 | 41.73 | 56.46 | 118.6 | 148.2 | 166.2 | 185.2 | 168.7 | 1226.0 |
| 2004-2005 | 141.2 | 65.71 | 49.39 | 41.91 | 43.14 | 41.1 | 55.69 | 123.1 | 151.1 | 164.1 | 182.3 | 172.9 | 1231.5 |
| 2005-2006 | 147.7 | 64.05 | 50.2 | 47.27 | 43.31 | 44.27 | 58.01 | 126.9 | 173.7 | 172.7 | 184.9 | 175.1 | 1288.0 |
| 2006-2007 | 146.6 | 65.86 | 49.29 | 43.92 | 43.38 | 42.93 | 56.93 | 119.6 | 153.1 | 173.2 | 183.5 | 172.9 | 1251.2 |
| 2007-2008 | 142.9 | 68.18 | 51.85 | 44.69 | 42.68 | 42.18 | 59.37 | 125.5 | 153.7 | 175.2 | 187.5 | 174.6 | 1268.4 |
| 2008-2009 | 145.9 | 64.61 | 54.4 | 44.18 | 44.42 | 44.41 | 55.78 | 121 | 147.3 | 167.5 | 179.3 | 168.8 | 1237.5 |
| 2009-2010 | 141.1 | 66.59 | 51.86 | 47.12 | 46.51 | 45.1 | 57.53 | 123.4 | 148.7 | 162.3 | 174.5 | 172.9 | 1237.5 |
| 2010-2011 | 145.6 | 66.23 | 53.9 | 48.46 | 45.66 | 44.64 | 56.1 | 119.8 | 146.3 | 163.5 | 176.9 | 169.5 | 1236.7 |
| 2011-2012 | 144.6 | 64.52 | 48.86 | 44.99 | 43.59 | 42.72 | 53.61 | 119.7 | 145.6 | 163 | 180.6 | 171 | 1222.8 |
| 2012-2013 | 141.7 | 65.81 | 52.97 | 46.28 | 44.79 | 45.68 | 56.65 | 123 | 152 | 163.1 | 176.3 | 169.6 | 1237.9 |
| 2013-2014 | 141.2 | 63.05 | 53.04 | 44.02 | 46.98 | 45.08 | 57.65 | 121.9 | 145.5 | 162.4 | 174.2 | 167.8 | 1222.9 |
| 2014-2015 | 142.9 | 64.63 | 50.72 | 47.91 | 44.26 | 43.99 | 57 | 117.7 | 147.4 | 158.4 | 174.8 | 170.3 | 1219.9 |
| AVERAGE | 140.6 | 64.2 | 50.2 | 44.5 | 43.6 | 42.7 | 55.1 | 120.5 | 148.6 | 164.6 | 178.1 | 167.6 | |

**Table A. 110** Lapta station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116.9 | 93.76 | 58.91 | 47.36 | 48.94 | 54.08 | 83.98 | 103.5 | 131.3 | 151.9 | 158.4 | 145.4 | 1194.5 |
| 1979-1980 | 120.7 | 93.9 | 64.08 | 45.21 | 43.97 | 49.07 | 81.68 | 101.7 | 130.1 | 149.1 | 157.4 | 147.7 | 1184.6 |
| 1980-1981 | 116.8 | 93.11 | 63.16 | 47.43 | 44.93 | 50.17 | 85.71 | 103.6 | 128.5 | 150.7 | 159.3 | 147.5 | 1190.9 |
| 1981-1982 | 119.3 | 95.28 | 58.64 | 49.61 | 47.42 | 46.71 | 79.16 | 103.3 | 131.4 | 148.4 | 155.5 | 146.2 | 1180.9 |
| 1982-1983 | 121 | 94.2 | 53.78 | 42.33 | 39.51 | 45.38 | 78.34 | 97.88 | 130.1 | 144.8 | 156.4 | 143.9 | 1147.8 |
| 1983-1984 | 119.1 | 90.22 | 64.81 | 46.16 | 47.92 | 54.05 | 84.28 | 102.2 | 135.9 | 148.8 | 152.6 | 142.1 | 1187.9 |
| 1984-1985 | 117.8 | 91.69 | 62.62 | 48.7 | 49.37 | 46.81 | 83.27 | 105.8 | 134.3 | 147.8 | 157.2 | 145.8 | 1191.1 |
| 1985-1986 | 121.3 | 90.76 | 63.4 | 47.33 | 48.78 | 53.19 | 83.96 | 105.9 | 129.9 | 149.8 | 157.2 | 146.5 | 1198.1 |
| 1986-1987 | 121.6 | 92.84 | 57.95 | 45.54 | 49.79 | 51.43 | 76.05 | 100.4 | 129.4 | 149.6 | 160.6 | 146.8 | 1182.0 |
| 1987-1988 | 119.9 | 91.41 | 60.58 | 48.95 | 48.22 | 51.25 | 82.66 | 103.1 | 133.1 | 148.6 | 159.4 | 147 | 1194.2 |
| 1988-1989 | 123.1 | 89.71 | 53.31 | 41.64 | 43.13 | 47.86 | 84.17 | 106.4 | 137.7 | 149.3 | 160.2 | 145.2 | 1181.6 |
| 1989-1990 | 118.5 | 89.22 | 58.6 | 41.79 | 40.91 | 50.02 | 83.21 | 104 | 131.8 | 148.2 | 155 | 143.1 | 1164.3 |
| 1990-1991 | 111 | 95.25 | 57.59 | 41.12 | 37.68 | 47.08 | 86.95 | 104 | 132.4 | 147.9 | 157.2 | 144.1 | 1162.2 |
| 1991-1992 | 115.7 | 94.24 | 57.91 | 37.82 | 38.79 | 41.06 | 77.08 | 99.11 | 126.8 | 141.6 | 153 | 148.6 | 1131.7 |
| 1992-1993 | 114.2 | 91.37 | 58.62 | 37.89 | 42.56 | 47.05 | 78.55 | 99.36 | 126.5 | 149.5 | 160.5 | 147.5 | 1153.5 |
| 1993-1994 | 116.7 | 94.07 | 58.38 | 47.73 | 48.47 | 50.46 | 78.33 | 102.3 | 131.7 | 149.8 | 159.4 | 149 | 1186.4 |
| 1994-1995 | 122.1 | 96.78 | 56.52 | 45.62 | 46.35 | 50.48 | 78.19 | 100.6 | 133 | 152.8 | 162.3 | 147.5 | 1192.3 |
| 1995-1996 | 120.2 | 93.48 | 56.7 | 44.44 | 44.97 | 53.62 | 82.52 | 100.9 | 135.9 | 153.6 | 160.8 | 149.2 | 1196.3 |
| 1996-1997 | 120.8 | 91.5 | 64.16 | 50.67 | 50.57 | 48.78 | 78.57 | 99.38 | 135.9 | 155.4 | 165.5 | 147 | 1208.3 |
| 1997-1998 | 119 | 93.76 | 62.17 | 47.68 | 47.38 | 53.88 | 82.26 | 107.5 | 133.5 | 152.7 | 164.3 | 152.6 | 1216.7 |
| 1998-1999 | 121.7 | 96.57 | 65.65 | 50.02 | 51.24 | 55.67 | 84.36 | 102.7 | 136.6 | 153.9 | 162.1 | 148.8 | 1229.2 |
| 1999-2000 | 121.7 | 96.63 | 61.45 | 48.51 | 40.37 | 48.65 | 79.06 | 101.7 | 132.5 | 154.9 | 165.5 | 149.8 | 1200.7 |
| 2000-2001 | 123.1 | 95.84 | 65.28 | 46.02 | 47.43 | 53.14 | 88.42 | 106.1 | 136.3 | 152 | 162.2 | 150.9 | 1226.8 |
| 2001-2002 | 120.7 | 94.33 | 60.15 | 44.54 | 41.33 | 52.86 | 84.55 | 102.5 | 135 | 152.7 | 163.7 | 148.6 | 1201.0 |
| 2002-2003 | 120 | 92.6 | 62.88 | 41.24 | 48.27 | 45.15 | 76.98 | 102 | 140.5 | 154.3 | 164.6 | 153 | 1201.5 |
| 2003-2004 | 121.6 | 95.29 | 59.83 | 42.39 | 43.19 | 49.09 | 84.77 | 101.7 | 133.3 | 151.7 | 164.7 | 149.2 | 1196.8 |
| 2004-2005 | 120.8 | 96.39 | 59.87 | 41.44 | 45.35 | 48.09 | 83.68 | 104.8 | 135.1 | 150.4 | 162.8 | 152.1 | 1200.8 |
| 2005-2006 | 125.5 | 93.88 | 61.22 | 50.85 | 45.64 | 53.06 | 86.98 | 107.4 | 149.7 | 155.7 | 164.5 | 153.5 | 1248.0 |
| 2006-2007 | 124.8 | 96.6 | 59.69 | 44.96 | 45.76 | 50.98 | 85.45 | 102.4 | 136.4 | 156.1 | 163.6 | 152 | 1218.8 |
| 2007-2008 | 122.1 | 100.1 | 63.97 | 46.32 | 44.56 | 49.8 | 88.91 | 106.4 | 136.9 | 157.3 | 166.1 | 153.2 | 1235.7 |
| 2008-2009 | 124.2 | 94.72 | 68.22 | 45.44 | 47.52 | 53.28 | 83.79 | 103.3 | 132.7 | 152.5 | 160.9 | 149.3 | 1216.0 |
| 2009-2010 | 120.7 | 97.7 | 63.99 | 50.56 | 51.09 | 54.38 | 86.31 | 105 | 133.6 | 149.3 | 157.9 | 152 | 1222.6 |
| 2010-2011 | 124 | 97.16 | 67.37 | 52.91 | 49.63 | 53.64 | 84.28 | 102.5 | 132.1 | 150.1 | 159.5 | 149.8 | 1222.9 |
| 2011-2012 | 123.3 | 94.59 | 58.98 | 46.85 | 46.1 | 50.64 | 80.71 | 102.5 | 131.6 | 149.7 | 161.8 | 150.8 | 1197.5 |
| 2012-2013 | 121.2 | 96.55 | 65.85 | 49.09 | 48.17 | 55.27 | 85.04 | 104.7 | 135.8 | 149.8 | 159.1 | 149.8 | 1220.3 |
| 2013-2014 | 120.8 | 92.35 | 65.95 | 45.12 | 51.88 | 54.33 | 86.47 | 104 | 131.5 | 149.4 | 157.8 | 148.7 | 1208.2 |
| 2014-2015 | 122.1 | 94.75 | 62.1 | 51.96 | 47.26 | 52.64 | 85.54 | 101 | 132.8 | 146.9 | 158.1 | 150.3 | 1205.4 |
| AVERAGE | 120.4 | 94.1 | 61.2 | 46.0 | 46.1 | 50.6 | 82.8 | 103.0 | 133.6 | 150.7 | 160.2 | 148.5 | |

**Table A. 111** Lefke station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 101.5 | 73.1 | 39.0 | 31.6 | 29.8 | 35.5 | 52.3 | 75.4 | 111.3 | 167.1 | 187.0 | 156.2 | 1059.9 |
| 1979-1980 | 114.2 | 75.2 | 45.7 | 28.3 | 25.4 | 29.9 | 45.8 | 68.0 | 110.7 | 161.8 | 186.1 | 173.5 | 1064.7 |
| 1980-1981 | 105.3 | 73.4 | 43.3 | 30.1 | 27.1 | 30.5 | 52.1 | 73.9 | 101.2 | 167.2 | 190.2 | 167.0 | 1061.2 |
| 1981-1982 | 106.1 | 78.5 | 37.1 | 31.9 | 29.0 | 28.0 | 44.5 | 74.7 | 113.1 | 154.3 | 177.4 | 166.8 | 1041.5 |
| 1982-1983 | 117.4 | 75.3 | 36.7 | 27.7 | 24.0 | 28.0 | 45.5 | 71.5 | 118.5 | 148.5 | 184.2 | 159.3 | 1036.6 |
| 1983-1984 | 106.8 | 76.6 | 49.2 | 33.8 | 29.6 | 33.4 | 49.3 | 69.1 | 117.6 | 150.9 | 176.2 | 156.7 | 1049.3 |
| 1984-1985 | 105.9 | 70.6 | 37.4 | 26.3 | 28.7 | 27.4 | 47.2 | 73.7 | 127.8 | 161.4 | 198.3 | 176.6 | 1081.2 |
| 1985-1986 | 116.5 | 66.1 | 44.2 | 29.6 | 28.3 | 34.7 | 52.9 | 86.9 | 111.7 | 164.1 | 186.5 | 165.7 | 1087.1 |
| 1986-1987 | 121.8 | 71.1 | 35.5 | 28.1 | 29.4 | 34.3 | 41.3 | 69.1 | 109.3 | 161.5 | 201.2 | 173.6 | 1076.4 |
| 1987-1988 | 119.7 | 67.9 | 38.9 | 28.5 | 27.6 | 30.9 | 46.8 | 76.0 | 126.1 | 169.3 | 219.6 | 176.9 | 1128.2 |
| 1988-1989 | 121.5 | 70.1 | 34.8 | 27.8 | 23.0 | 28.9 | 50.4 | 87.7 | 126.6 | 154.1 | 198.6 | 168.2 | 1091.6 |
| 1989-1990 | 109.6 | 64.3 | 41.1 | 29.2 | 24.4 | 29.9 | 49.0 | 73.7 | 112.7 | 154.6 | 186.5 | 164.6 | 1039.6 |
| 1990-1991 | 106.9 | 72.3 | 42.7 | 29.7 | 26.5 | 29.9 | 52.2 | 75.6 | 106.3 | 156.0 | 174.4 | 158.4 | 1030.8 |
| 1991-1992 | 107.0 | 72.8 | 39.7 | 25.3 | 24.2 | 24.6 | 42.4 | 67.4 | 107.5 | 147.8 | 174.2 | 173.2 | 1006.0 |
| 1992-1993 | 103.4 | 70.9 | 39.4 | 23.2 | 25.4 | 28.0 | 45.3 | 68.3 | 101.2 | 161.4 | 183.1 | 155.6 | 1005.2 |
| 1993-1994 | 95.4 | 78.6 | 36.7 | 29.7 | 30.0 | 31.4 | 47.7 | 79.3 | 119.1 | 156.0 | 183.7 | 172.1 | 1059.7 |
| 1994-1995 | 119.5 | 77.7 | 37.2 | 26.0 | 28.1 | 31.8 | 50.5 | 70.1 | 115.8 | 175.4 | 194.8 | 168.7 | 1095.6 |
| 1995-1996 | 110.2 | 67.6 | 33.3 | 26.6 | 25.3 | 32.2 | 47.4 | 67.7 | 129.9 | 170.5 | 196.1 | 149.3 | 1056.0 |
| 1996-1997 | 109.9 | 64.4 | 42.2 | 31.0 | 28.9 | 28.8 | 44.9 | 65.6 | 121.4 | 168.4 | 206.4 | 158.3 | 1070.3 |
| 1997-1998 | 105.6 | 68.8 | 40.8 | 29.3 | 26.8 | 31.0 | 45.7 | 79.6 | 113.6 | 158.3 | 213.4 | 196.8 | 1109.6 |
| 1998-1999 | 119.1 | 80.0 | 46.4 | 31.4 | 29.4 | 32.5 | 50.5 | 75.6 | 133.6 | 180.3 | 206.3 | 178.2 | 1163.3 |
| 1999-2000 | 115.7 | 76.1 | 40.9 | 32.1 | 22.6 | 28.2 | 46.0 | 75.3 | 116.3 | 177.9 | 215.0 | 172.0 | 1118.1 |
| 2000-2001 | 114.4 | 68.3 | 41.2 | 28.5 | 28.5 | 31.8 | 58.1 | 77.8 | 124.9 | 162.4 | 195.1 | 173.5 | 1104.6 |
| 2001-2002 | 112.1 | 71.4 | 38.6 | 28.2 | 24.2 | 33.6 | 52.8 | 70.4 | 111.7 | 162.5 | 199.7 | 165.6 | 1070.9 |
| 2002-2003 | 106.2 | 72.5 | 43.4 | 26.3 | 30.0 | 28.2 | 43.6 | 71.4 | 139.4 | 175.8 | 213.7 | 187.5 | 1138.0 |
| 2003-2004 | 113.7 | 76.7 | 41.8 | 29.4 | 26.5 | 31.1 | 52.2 | 74.3 | 114.3 | 165.2 | 201.5 | 166.9 | 1093.6 |
| 2004-2005 | 113.0 | 79.7 | 40.6 | 27.3 | 28.5 | 29.5 | 51.6 | 78.0 | 119.9 | 160.3 | 198.9 | 173.1 | 1100.2 |
| 2005-2006 | 116.9 | 67.5 | 37.4 | 30.1 | 26.5 | 31.2 | 50.1 | 79.1 | 121.7 | 167.0 | 200.5 | 180.5 | 1108.4 |
| 2006-2007 | 124.8 | 75.4 | 38.1 | 27.3 | 22.3 | 26.8 | 40.5 | 55.0 | 102.2 | 134.7 | 157.7 | 140.9 | 945.6 |
| 2007-2008 | 88.9 | 62.9 | 35.1 | 23.9 | 25.2 | 28.5 | 58.6 | 78.6 | 111.9 | 166.8 | 189.1 | 165.4 | 1034.9 |
| 2008-2009 | 104.5 | 67.0 | 44.9 | 30.2 | 29.6 | 32.3 | 48.4 | 74.5 | 111.1 | 166.5 | 193.2 | 160.4 | 1062.4 |
| 2009-2010 | 103.1 | 76.5 | 40.4 | 31.9 | 33.1 | 35.3 | 54.0 | 76.5 | 115.7 | 151.5 | 171.7 | 175.0 | 1064.8 |
| 2010-2011 | 114.9 | 71.7 | 48.3 | 34.1 | 28.9 | 32.2 | 49.3 | 71.5 | 107.1 | 153.2 | 182.3 | 164.9 | 1058.2 |
| 2011-2012 | 111.6 | 65.2 | 35.2 | 28.7 | 26.2 | 29.3 | 46.7 | 74.1 | 111.3 | 157.6 | 195.4 | 172.4 | 1053.7 |
| 2012-2013 | 109.0 | 72.4 | 42.9 | 30.3 | 27.9 | 34.4 | 53.2 | 77.9 | 125.4 | 156.7 | 177.2 | 167.0 | 1074.3 |
| 2013-2014 | 106.1 | 65.6 | 44.3 | 26.7 | 31.1 | 34.2 | 53.8 | 75.4 | 108.7 | 156.2 | 176.1 | 160.8 | 1038.9 |
| 2014-2015 | 107.3 | 67.2 | 39.7 | 32.9 | 27.3 | 30.9 | 52.6 | 69.4 | 115.4 | 141.6 | 177.9 | 168.4 | 1030.5 |
| AVERAGE | 110.4 | 71.7 | 40.4 | 29.0 | 27.3 | 30.8 | 49.1 | 73.7 | 116.0 | 160.7 | 191.1 | 167.8 | |

**Table A. 112** Lefke station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116.7 | 82.4 | 37.9 | 26.8 | 20.5 | 28.0 | 35.1 | 62.2 | 92.3 | 178.0 | 187.8 | 152.7 | 1020.4 |
| 1979-1980 | 142.1 | 89.1 | 53.7 | 20.9 | 13.1 | 17.5 | 25.8 | 51.6 | 94.5 | 176.3 | 193.0 | 178.7 | 1056.3 |
| 1980-1981 | 125.8 | 85.0 | 48.0 | 24.2 | 16.0 | 18.5 | 35.7 | 61.2 | 80.0 | 182.6 | 196.3 | 169.3 | 1042.5 |
| 1981-1982 | 132.9 | 98.2 | 36.4 | 29.3 | 20.3 | 14.5 | 24.5 | 65.5 | 101.2 | 170.9 | 188.1 | 176.3 | 1058.2 |
| 1982-1983 | 160.3 | 96.8 | 37.1 | 21.3 | 11.8 | 15.2 | 27.5 | 62.9 | 114.7 | 170.1 | 207.1 | 175.1 | 1099.9 |
| 1983-1984 | 123.4 | 87.1 | 58.3 | 30.6 | 19.8 | 23.4 | 29.9 | 50.7 | 99.3 | 151.8 | 171.5 | 151.1 | 996.9 |
| 1984-1985 | 128.9 | 81.1 | 36.0 | 17.0 | 19.3 | 12.9 | 28.2 | 61.8 | 119.4 | 176.8 | 209.6 | 183.3 | 1074.1 |
| 1985-1986 | 133.7 | 66.4 | 46.3 | 21.6 | 16.8 | 25.0 | 34.3 | 77.5 | 88.0 | 164.4 | 177.3 | 155.8 | 1007.1 |
| 1986-1987 | 154.3 | 81.5 | 31.6 | 20.4 | 20.5 | 26.4 | 18.9 | 53.2 | 92.2 | 175.4 | 211.6 | 178.4 | 1064.4 |
| 1987-1988 | 138.0 | 69.3 | 35.6 | 19.4 | 15.8 | 17.8 | 25.1 | 59.8 | 106.5 | 171.0 | 214.5 | 167.5 | 1040.2 |
| 1988-1989 | 151.1 | 78.3 | 29.7 | 19.4 | 9.1 | 15.4 | 32.6 | 84.6 | 114.9 | 161.4 | 205.0 | 169.3 | 1070.6 |
| 1989-1990 | 143.1 | 73.4 | 46.5 | 24.1 | 12.1 | 18.7 | 33.0 | 65.7 | 103.6 | 176.5 | 206.0 | 178.5 | 1081.2 |
| 1990-1991 | 135.2 | 87.3 | 49.0 | 24.5 | 15.7 | 18.3 | 37.6 | 67.5 | 91.8 | 174.6 | 185.1 | 166.8 | 1053.5 |
| 1991-1992 | 155.1 | 100.7 | 48.5 | 17.8 | 13.1 | 9.8 | 24.5 | 60.7 | 107.1 | 185.9 | 211.7 | 211.2 | 1146.0 |
| 1992-1993 | 147.4 | 96.2 | 47.6 | 13.3 | 15.6 | 16.5 | 29.6 | 62.1 | 95.9 | 209.9 | 224.6 | 185.3 | 1144.0 |
| 1993-1994 | 109.5 | 94.6 | 34.2 | 23.5 | 21.5 | 20.4 | 28.6 | 71.1 | 105.9 | 166.6 | 188.9 | 176.1 | 1040.8 |
| 1994-1995 | 143.8 | 89.3 | 33.8 | 15.6 | 17.3 | 20.2 | 31.9 | 52.5 | 97.1 | 187.4 | 194.7 | 165.3 | 1048.8 |
| 1995-1996 | 144.8 | 80.2 | 28.9 | 18.6 | 13.9 | 23.6 | 30.2 | 54.6 | 130.0 | 203.0 | 219.8 | 159.2 | 1106.9 |
| 1996-1997 | 135.7 | 69.7 | 46.5 | 26.6 | 19.6 | 15.6 | 24.5 | 47.7 | 110.3 | 187.5 | 219.9 | 161.3 | 1064.8 |
| 1997-1998 | 120.4 | 73.1 | 40.5 | 21.5 | 14.8 | 18.5 | 24.2 | 67.8 | 93.1 | 161.1 | 214.5 | 194.4 | 1043.9 |
| 1998-1999 | 120.6 | 78.7 | 44.6 | 22.0 | 16.6 | 18.3 | 27.0 | 51.8 | 102.2 | 163.0 | 175.8 | 149.4 | 969.9 |
| 1999-2000 | 134.5 | 84.5 | 40.3 | 26.8 | 8.1 | 13.3 | 24.4 | 59.8 | 95.5 | 186.3 | 213.4 | 165.2 | 1052.0 |
| 2000-2001 | 129.3 | 69.5 | 39.8 | 19.4 | 17.1 | 19.3 | 42.0 | 62.2 | 104.3 | 160.4 | 185.7 | 162.9 | 1011.9 |
| 2001-2002 | 138.3 | 81.9 | 38.3 | 20.6 | 11.2 | 24.9 | 37.1 | 55.6 | 95.7 | 177.0 | 209.8 | 168.9 | 1059.4 |
| 2002-2003 | 116.3 | 76.2 | 44.0 | 15.4 | 19.6 | 13.0 | 20.2 | 51.8 | 122.2 | 178.0 | 205.9 | 177.1 | 1039.8 |
| 2003-2004 | 132.0 | 85.8 | 42.2 | 21.7 | 14.2 | 18.6 | 33.9 | 58.2 | 93.1 | 169.3 | 198.5 | 160.0 | 1027.5 |
| 2004-2005 | 129.7 | 90.0 | 39.5 | 17.5 | 17.4 | 15.6 | 32.7 | 63.8 | 99.7 | 160.9 | 193.8 | 165.6 | 1026.1 |
| 2005-2006 | 136.6 | 69.9 | 33.3 | 23.0 | 14.1 | 18.8 | 30.5 | 66.1 | 102.8 | 171.4 | 197.0 | 174.8 | 1038.3 |
| 2006-2007 | 214.1 | 119.4 | 49.8 | 25.0 | 10.6 | 15.8 | 23.6 | 40.5 | 110.0 | 182.0 | 208.5 | 183.7 | 1183.0 |
| 2007-2008 | 111.0 | 74.5 | 34.7 | 13.9 | 14.4 | 16.8 | 52.8 | 79.1 | 108.0 | 207.5 | 221.3 | 189.2 | 1123.3 |
| 2008-2009 | 123.2 | 72.5 | 50.8 | 24.1 | 20.4 | 21.9 | 29.3 | 61.6 | 93.1 | 179.5 | 197.9 | 159.7 | 1034.0 |
| 2009-2010 | 114.5 | 84.8 | 39.3 | 26.3 | 25.6 | 26.5 | 36.4 | 61.6 | 94.4 | 148.7 | 161.8 | 168.0 | 987.7 |
| 2010-2011 | 136.1 | 78.6 | 56.4 | 31.3 | 18.5 | 20.9 | 29.9 | 54.6 | 84.9 | 154.9 | 178.8 | 160.4 | 1005.1 |
| 2011-2012 | 146.5 | 75.2 | 32.9 | 23.0 | 15.5 | 17.4 | 28.9 | 66.2 | 101.3 | 181.2 | 217.8 | 188.2 | 1094.2 |
| 2012-2013 | 124.6 | 78.5 | 44.6 | 23.4 | 16.6 | 24.9 | 35.4 | 64.3 | 107.9 | 157.2 | 169.7 | 160.1 | 1007.0 |
| 2013-2014 | 129.5 | 72.0 | 51.1 | 17.7 | 23.9 | 26.4 | 39.2 | 64.9 | 92.3 | 169.2 | 181.5 | 164.7 | 1032.5 |
| 2014-2015 | 136.1 | 77.6 | 42.4 | 31.5 | 17.2 | 20.4 | 38.4 | 56.2 | 105.5 | 151.7 | 190.1 | 179.7 | 1046.9 |
| AVERAGE | 135.5 | 82.4 | 41.9 | 22.1 | 16.4 | 19.2 | 30.9 | 61.1 | 101.4 | 173.8 | 198.2 | 171.2 | |

**Table A. 113** Lefke station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 178.1 | 174.3 | 143.6 | 140.1 | 132.3 | 123.6 | 140.5 | 148.9 | 168 | 186.9 | 201.1 | 197.9 | 1935.4 |
| 1979-1980 | 186.2 | 176.3 | 154.5 | 132.3 | 120.9 | 112.7 | 131.3 | 141.9 | 167.7 | 184.8 | 200.8 | 205.3 | 1914.6 |
| 1980-1981 | 180.5 | 174.6 | 150.8 | 136.5 | 125.6 | 113.9 | 140.3 | 147.6 | 161.3 | 187 | 202.2 | 202.6 | 1923.0 |
| 1981-1982 | 181.1 | 179.3 | 140.3 | 140.9 | 130.3 | 108.5 | 129.1 | 148.3 | 169.1 | 181.6 | 197.4 | 202.5 | 1908.5 |
| 1982-1983 | 188 | 176.4 | 139.4 | 130.8 | 117.2 | 108.5 | 130.8 | 145.3 | 172.4 | 178.9 | 200 | 199.3 | 1887.1 |
| 1983-1984 | 181.5 | 177.6 | 159.4 | 144.7 | 131.8 | 119.8 | 136.4 | 143 | 171.9 | 180.1 | 196.9 | 198.1 | 1941.3 |
| 1984-1985 | 180.9 | 171.8 | 140.8 | 127.1 | 129.8 | 107 | 133.4 | 147.4 | 177.7 | 184.6 | 205.2 | 206.5 | 1912.2 |
| 1985-1986 | 187.5 | 167.2 | 152.2 | 135.4 | 128.6 | 122.2 | 141.3 | 158.5 | 168.3 | 185.7 | 200.9 | 202 | 1949.8 |
| 1986-1987 | 190.6 | 172.4 | 137.3 | 131.7 | 131.5 | 121.4 | 124 | 142.9 | 166.8 | 184.6 | 206.3 | 205.3 | 1914.8 |
| 1987-1988 | 189.3 | 169.2 | 143.4 | 132.7 | 127 | 114.8 | 132.7 | 149.5 | 176.8 | 187.8 | 212.4 | 206.7 | 1942.3 |
| 1988-1989 | 190.3 | 171.4 | 135.9 | 130.9 | 114.2 | 110.5 | 137.9 | 159.2 | 177.1 | 181.4 | 205.4 | 203.1 | 1917.2 |
| 1989-1990 | 183.3 | 165.3 | 147.2 | 134.5 | 118.1 | 112.7 | 136 | 147.4 | 168.9 | 181.7 | 200.9 | 201.6 | 1897.7 |
| 1990-1991 | 181.6 | 173.6 | 149.7 | 135.5 | 124.2 | 112.7 | 140.3 | 149.1 | 164.8 | 182.3 | 196.2 | 198.9 | 1909.0 |
| 1991-1992 | 181.7 | 174 | 144.8 | 124.3 | 117.6 | 100.2 | 125.8 | 141.4 | 165.6 | 178.6 | 196.1 | 205.2 | 1855.2 |
| 1992-1993 | 179.4 | 172.1 | 144.4 | 118.4 | 121.1 | 108.4 | 130.4 | 142.2 | 161.3 | 184.6 | 199.6 | 197.6 | 1859.5 |
| 1993-1994 | 173.8 | 179.4 | 139.6 | 135.6 | 132.8 | 115.8 | 134 | 152.5 | 172.8 | 182.3 | 199.8 | 204.8 | 1923.1 |
| 1994-1995 | 189.2 | 178.6 | 140.5 | 126.2 | 128.2 | 116.5 | 138.1 | 144 | 170.8 | 190.3 | 204 | 203.4 | 1929.7 |
| 1995-1996 | 183.7 | 168.8 | 132.9 | 127.8 | 120.9 | 117.3 | 133.5 | 141.6 | 178.9 | 188.4 | 204.4 | 194.7 | 1892.9 |
| 1996-1997 | 183.5 | 165.4 | 149.1 | 138.7 | 130.2 | 110.3 | 129.8 | 139.4 | 174.1 | 187.5 | 208.1 | 198.8 | 1914.9 |
| 1997-1998 | 180.8 | 170.1 | 146.6 | 134.6 | 124.8 | 114.8 | 131.1 | 152.7 | 169.5 | 183.3 | 210.5 | 214.1 | 1932.8 |
| 1998-1999 | 188.9 | 180.6 | 155.5 | 139.6 | 131.3 | 118 | 138.1 | 149.1 | 180.9 | 192.1 | 208 | 207.2 | 1989.5 |
| 1999-2000 | 187 | 177.1 | 146.9 | 141.2 | 113 | 108.8 | 131.5 | 148.9 | 171.1 | 191.2 | 210.9 | 204.7 | 1932.3 |
| 2000-2001 | 186.2 | 169.6 | 147.3 | 132.8 | 129.2 | 116.6 | 148 | 151.1 | 176.2 | 185.1 | 204.1 | 205.3 | 1951.4 |
| 2001-2002 | 184.9 | 172.6 | 143 | 132 | 117.7 | 120.1 | 141.3 | 144.3 | 168.3 | 185.1 | 205.8 | 202 | 1916.9 |
| 2002-2003 | 181.2 | 173.7 | 150.9 | 127.2 | 132.7 | 109 | 127.7 | 145.3 | 183.9 | 190.4 | 210.5 | 210.8 | 1943.2 |
| 2003-2004 | 185.8 | 177.8 | 148.3 | 135 | 124.1 | 115.2 | 140.4 | 147.9 | 169.9 | 186.2 | 206.3 | 202.5 | 1939.5 |
| 2004-2005 | 185.4 | 180.4 | 146.4 | 129.7 | 129.1 | 111.9 | 139.6 | 151.2 | 173.3 | 184.2 | 205.4 | 205.1 | 1941.7 |
| 2005-2006 | 187.7 | 168.7 | 140.7 | 136.7 | 124.1 | 115.4 | 137.5 | 152.2 | 174.3 | 187 | 206 | 208.1 | 1938.3 |
| 2006-2007 | 192.1 | 176.5 | 142.1 | 129.7 | 111.8 | 105.6 | 122.5 | 127.5 | 162 | 172.3 | 189.1 | 190.6 | 1821.9 |
| 2007-2008 | 169 | 163.7 | 136.4 | 120.4 | 120.6 | 109.7 | 148.6 | 151.7 | 168.4 | 186.8 | 201.9 | 201.9 | 1879.2 |
| 2008-2009 | 180.1 | 168.2 | 153.2 | 136.8 | 131.8 | 117.6 | 135.1 | 148.1 | 167.9 | 186.7 | 203.4 | 199.7 | 1928.5 |
| 2009-2010 | 179.1 | 177.5 | 146.1 | 140.7 | 139.7 | 123.2 | 142.7 | 149.9 | 170.8 | 180.3 | 195.1 | 205.9 | 1951.1 |
| 2010-2011 | 186.5 | 172.9 | 158.2 | 145.4 | 130.1 | 117.3 | 136.4 | 145.3 | 165.3 | 181.1 | 199.3 | 201.7 | 1939.4 |
| 2011-2012 | 184.5 | 166.3 | 136.6 | 133.3 | 123.4 | 111.4 | 132.5 | 147.7 | 168 | 183 | 204.2 | 204.8 | 1895.7 |
| 2012-2013 | 182.9 | 173.7 | 150.2 | 137.2 | 127.7 | 121.6 | 141.7 | 151.2 | 176.5 | 182.6 | 197.3 | 202.6 | 1945.1 |
| 2013-2014 | 181.1 | 166.7 | 152.4 | 128.1 | 135.4 | 121.2 | 142.5 | 148.9 | 166.3 | 182.4 | 196.9 | 199.9 | 1921.8 |
| 2014-2015 | 181.8 | 168.5 | 144.8 | 142.8 | 126.1 | 114.8 | 140.9 | 143.3 | 170.6 | 175.7 | 197.6 | 203.2 | 1910.0 |
| AVERAGE | 183.7 | 172.8 | 145.7 | 133.7 | 125.8 | 114.3 | 135.8 | 147.2 | 170.7 | 184.2 | 202.4 | 202.8 | |

**Table A. 114** Lefke station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 136.9 | 64.45 | 48.36 | 44.8 | 43.56 | 44.22 | 55.24 | 121.1 | 146.7 | 169 | 178.7 | 165.5 | 1218.4 |
| 1979-1980 | 143 | 65.2 | 52.01 | 42.3 | 39.82 | 40.29 | 51.6 | 115.4 | 146.3 | 167 | 178.4 | 171.7 | 1213.1 |
| 1980-1981 | 138.8 | 64.57 | 50.77 | 43.65 | 41.33 | 40.73 | 55.14 | 120.1 | 140.8 | 169 | 179.8 | 169.4 | 1214.0 |
| 1981-1982 | 139.2 | 66.31 | 47.24 | 45.02 | 42.9 | 38.82 | 50.78 | 120.6 | 147.6 | 164.1 | 175.4 | 169.3 | 1207.3 |
| 1982-1983 | 144.5 | 65.21 | 46.95 | 41.81 | 38.57 | 38.8 | 51.41 | 118.2 | 150.5 | 161.7 | 177.8 | 166.6 | 1202.0 |
| 1983-1984 | 139.5 | 65.66 | 53.7 | 46.26 | 43.38 | 42.83 | 53.63 | 116.3 | 150 | 162.7 | 175 | 165.7 | 1214.7 |
| 1984-1985 | 139.1 | 63.53 | 47.42 | 40.65 | 42.71 | 38.26 | 52.43 | 119.9 | 155.1 | 166.8 | 182.4 | 172.7 | 1220.9 |
| 1985-1986 | 144.1 | 61.82 | 51.25 | 43.3 | 42.32 | 43.68 | 55.57 | 129 | 146.8 | 167.8 | 178.5 | 169 | 1233.2 |
| 1986-1987 | 146.4 | 63.74 | 46.21 | 42.12 | 43.28 | 43.42 | 48.73 | 116.3 | 145.5 | 166.9 | 183.3 | 171.7 | 1217.6 |
| 1987-1988 | 145.5 | 62.53 | 48.29 | 42.41 | 41.8 | 41.04 | 52.19 | 121.6 | 154.3 | 169.8 | 188.8 | 172.8 | 1241.0 |
| 1988-1989 | 146.3 | 63.37 | 45.76 | 41.85 | 37.57 | 39.53 | 54.21 | 129.5 | 154.5 | 164 | 182.5 | 169.9 | 1228.9 |
| 1989-1990 | 140.9 | 61.09 | 49.56 | 43.01 | 38.88 | 40.28 | 53.48 | 119.9 | 147.4 | 164.2 | 178.5 | 168.6 | 1205.8 |
| 1990-1991 | 139.6 | 64.18 | 50.43 | 43.35 | 40.85 | 40.31 | 55.18 | 121.3 | 143.8 | 164.7 | 174.3 | 166.3 | 1204.3 |
| 1991-1992 | 139.6 | 64.32 | 48.77 | 39.75 | 38.71 | 35.82 | 49.46 | 115 | 144.5 | 161.4 | 174.3 | 171.6 | 1183.2 |
| 1992-1993 | 137.8 | 63.65 | 48.62 | 37.85 | 39.86 | 38.75 | 51.26 | 115.7 | 140.8 | 166.8 | 177.4 | 165.3 | 1183.8 |
| 1993-1994 | 133.6 | 66.33 | 46.99 | 43.35 | 43.72 | 41.42 | 52.69 | 124 | 150.8 | 164.7 | 177.6 | 171.2 | 1216.4 |
| 1994-1995 | 145.4 | 66.04 | 47.31 | 40.36 | 42.21 | 41.66 | 54.3 | 117.1 | 149.1 | 171.9 | 181.3 | 170 | 1226.7 |
| 1995-1996 | 141.2 | 62.4 | 44.73 | 40.86 | 39.78 | 41.97 | 52.51 | 115.1 | 156.1 | 170.2 | 181.7 | 162.8 | 1209.4 |
| 1996-1997 | 141 | 61.16 | 50.2 | 44.36 | 42.85 | 39.44 | 51.02 | 113.4 | 152 | 169.5 | 184.9 | 166.3 | 1216.1 |
| 1997-1998 | 138.9 | 62.87 | 49.37 | 43.04 | 41.08 | 41.08 | 51.52 | 124.2 | 147.9 | 165.6 | 187 | 179.1 | 1231.7 |
| 1998-1999 | 145.2 | 66.8 | 52.38 | 44.62 | 43.21 | 42.21 | 54.3 | 121.3 | 157.9 | 173.7 | 184.9 | 173.3 | 1259.7 |
| 1999-2000 | 143.7 | 65.49 | 49.46 | 45.15 | 37.19 | 38.92 | 51.71 | 121.1 | 149.3 | 172.8 | 187.5 | 171.2 | 1233.5 |
| 2000-2001 | 143.1 | 62.69 | 49.6 | 42.46 | 42.54 | 41.69 | 58.18 | 122.9 | 153.7 | 167.2 | 181.4 | 171.7 | 1237.2 |
| 2001-2002 | 142.1 | 63.82 | 48.15 | 42.2 | 38.75 | 42.95 | 55.52 | 117.4 | 146.8 | 167.2 | 182.8 | 168.9 | 1216.7 |
| 2002-2003 | 139.2 | 64.23 | 50.8 | 40.65 | 43.7 | 38.99 | 50.19 | 118.1 | 160.5 | 172.1 | 187.1 | 176.3 | 1241.8 |
| 2003-2004 | 142.8 | 65.71 | 49.94 | 43.18 | 40.84 | 41.21 | 55.21 | 120.3 | 148.3 | 168.3 | 183.4 | 169.4 | 1228.5 |
| 2004-2005 | 142.5 | 66.7 | 49.29 | 41.46 | 42.49 | 40.01 | 54.88 | 123 | 151.2 | 166.4 | 182.6 | 171.5 | 1232.0 |
| 2005-2006 | 144.2 | 62.35 | 47.39 | 43.71 | 40.83 | 41.28 | 54.04 | 123.8 | 152.1 | 168.9 | 183.1 | 174 | 1235.8 |
| 2006-2007 | 147.7 | 65.24 | 47.83 | 41.46 | 36.81 | 37.77 | 48.17 | 103.7 | 141.4 | 155.7 | 168.1 | 159.4 | 1153.2 |
| 2007-2008 | 129.9 | 60.51 | 45.94 | 38.5 | 39.69 | 39.22 | 58.42 | 123.4 | 147 | 168.8 | 179.4 | 168.9 | 1199.7 |
| 2008-2009 | 138.4 | 62.16 | 51.58 | 43.72 | 43.38 | 42.06 | 53.1 | 120.5 | 146.5 | 168.7 | 180.8 | 167 | 1217.9 |
| 2009-2010 | 137.7 | 65.62 | 49.2 | 44.99 | 45.99 | 44.07 | 56.12 | 122 | 149 | 162.9 | 173.4 | 172.2 | 1223.2 |
| 2010-2011 | 143.3 | 63.94 | 53.27 | 46.49 | 42.81 | 41.94 | 53.61 | 118.2 | 144.3 | 163.6 | 177.1 | 168.7 | 1217.3 |
| 2011-2012 | 141.8 | 61.48 | 45.98 | 42.6 | 40.6 | 39.83 | 52.1 | 120.2 | 146.6 | 165.4 | 181.5 | 171.3 | 1209.3 |
| 2012-2013 | 140.6 | 64.2 | 50.57 | 43.86 | 42.03 | 43.48 | 55.71 | 123 | 154 | 165 | 175.4 | 169.4 | 1227.1 |
| 2013-2014 | 139.2 | 61.63 | 51.31 | 40.94 | 44.58 | 43.34 | 56.04 | 121.1 | 145.2 | 164.8 | 175 | 167.2 | 1210.2 |
| 2014-2015 | 139.8 | 62.27 | 48.77 | 45.65 | 41.5 | 41.07 | 55.4 | 116.5 | 148.9 | 158.8 | 175.6 | 169.9 | 1204.1 |
| AVERAGE | 141.1 | 63.9 | 49.1 | 42.7 | 41.4 | 40.9 | 53.4 | 119.7 | 149.0 | 166.4 | 179.9 | 169.6 | |

**Table A. 115** Lefke station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114.6 | 92.17 | 56.68 | 45.31 | 44.71 | 51.39 | 80.42 | 100.3 | 128.4 | 149.2 | 156.3 | 143.2 | 1162.7 |
| 1979-1980 | 119.1 | 93.3 | 62.76 | 40.94 | 38.33 | 45.27 | 75.26 | 96.39 | 128.2 | 148 | 156.1 | 147.4 | 1151.1 |
| 1980-1981 | 116 | 92.35 | 60.69 | 43.32 | 40.92 | 45.96 | 80.3 | 99.58 | 124.6 | 149.2 | 157 | 145.9 | 1155.8 |
| 1981-1982 | 116.3 | 94.98 | 54.83 | 45.74 | 43.57 | 42.95 | 74.07 | 99.96 | 129 | 146.2 | 154.2 | 145.8 | 1147.6 |
| 1982-1983 | 120.1 | 93.33 | 54.33 | 40.1 | 36.24 | 42.92 | 74.98 | 98.3 | 130.8 | 144.7 | 155.7 | 144 | 1135.6 |
| 1983-1984 | 116.5 | 94.01 | 65.54 | 47.88 | 44.43 | 49.25 | 78.16 | 96.98 | 130.6 | 145.3 | 154 | 143.4 | 1166.0 |
| 1984-1985 | 116.2 | 90.77 | 55.11 | 38.04 | 43.27 | 42.09 | 76.47 | 99.44 | 133.8 | 147.9 | 158.6 | 148.1 | 1149.7 |
| 1985-1986 | 119.9 | 88.17 | 61.48 | 42.7 | 42.62 | 50.59 | 80.88 | 105.7 | 128.5 | 148.5 | 156.2 | 145.5 | 1170.8 |
| 1986-1987 | 121.6 | 91.08 | 53.11 | 40.61 | 44.26 | 50.18 | 71.17 | 96.95 | 127.7 | 147.9 | 159.2 | 147.4 | 1151.2 |
| 1987-1988 | 120.9 | 89.27 | 56.56 | 41.14 | 41.73 | 46.45 | 76.09 | 100.6 | 133.3 | 149.7 | 162.7 | 148.2 | 1166.6 |
| 1988-1989 | 121.4 | 90.54 | 52.35 | 40.13 | 34.54 | 44.06 | 78.98 | 106.1 | 133.4 | 146.1 | 158.7 | 146.2 | 1152.5 |
| 1989-1990 | 117.5 | 87.12 | 58.66 | 42.19 | 36.76 | 45.27 | 77.93 | 99.48 | 128.9 | 146.3 | 156.2 | 145.3 | 1141.6 |
| 1990-1991 | 116.6 | 91.79 | 60.11 | 42.76 | 40.13 | 45.29 | 80.35 | 100.4 | 126.6 | 146.6 | 153.5 | 143.8 | 1147.9 |
| 1991-1992 | 116.6 | 91.98 | 57.36 | 36.44 | 36.46 | 38.26 | 72.19 | 96.08 | 127 | 144.5 | 153.5 | 147.3 | 1117.7 |
| 1992-1993 | 115.3 | 90.93 | 57.11 | 33.15 | 38.41 | 42.86 | 74.77 | 96.54 | 124.6 | 147.9 | 155.5 | 143.1 | 1120.1 |
| 1993-1994 | 112.2 | 95.01 | 54.41 | 42.79 | 44.96 | 47.02 | 76.79 | 102.3 | 131.1 | 146.6 | 155.6 | 147.1 | 1155.8 |
| 1994-1995 | 120.8 | 94.59 | 54.91 | 37.53 | 42.42 | 47.42 | 79.07 | 97.53 | 129.9 | 151 | 157.9 | 146.3 | 1159.5 |
| 1995-1996 | 117.8 | 89.05 | 50.64 | 38.41 | 38.28 | 47.89 | 76.54 | 96.19 | 134.5 | 150 | 158.2 | 141.5 | 1138.9 |
| 1996-1997 | 117.6 | 87.18 | 59.73 | 44.53 | 43.51 | 43.96 | 74.42 | 94.99 | 131.8 | 149.5 | 160.2 | 143.8 | 1151.2 |
| 1997-1998 | 116.1 | 89.77 | 58.35 | 42.21 | 40.5 | 46.49 | 75.15 | 102.4 | 129.2 | 147.1 | 161.6 | 152.3 | 1161.2 |
| 1998-1999 | 120.7 | 95.71 | 63.34 | 45.02 | 44.14 | 48.28 | 79.1 | 100.4 | 135.6 | 152.1 | 160.2 | 148.5 | 1193.1 |
| 1999-2000 | 119.6 | 93.75 | 58.49 | 45.91 | 33.87 | 43.13 | 75.38 | 100.3 | 130.1 | 151.6 | 161.8 | 147.1 | 1161.0 |
| 2000-2001 | 119.2 | 89.5 | 58.75 | 41.21 | 42.97 | 47.46 | 84.65 | 101.5 | 133 | 148.1 | 158 | 147.4 | 1171.7 |
| 2001-2002 | 118.4 | 91.18 | 56.31 | 40.78 | 36.54 | 49.42 | 80.87 | 97.71 | 128.5 | 148.1 | 158.9 | 145.6 | 1152.4 |
| 2002-2003 | 116.3 | 91.82 | 60.74 | 38.06 | 44.95 | 43.22 | 73.24 | 98.26 | 137.3 | 151.1 | 161.6 | 150.5 | 1167.1 |
| 2003-2004 | 118.9 | 94.1 | 59.31 | 42.48 | 40.09 | 46.7 | 80.39 | 99.74 | 129.4 | 148.8 | 159.2 | 145.9 | 1165.0 |
| 2004-2005 | 118.7 | 95.59 | 58.22 | 39.51 | 42.91 | 44.85 | 79.93 | 101.6 | 131.3 | 147.6 | 158.7 | 147.3 | 1166.3 |
| 2005-2006 | 120 | 88.99 | 55.06 | 43.4 | 40.07 | 46.82 | 78.77 | 102.1 | 131.9 | 149.2 | 159.1 | 149 | 1164.4 |
| 2006-2007 | 122.5 | 93.39 | 55.82 | 39.48 | 33.21 | 41.31 | 70.34 | 88.29 | 125 | 141 | 149.6 | 139.2 | 1099.0 |
| 2007-2008 | 109.5 | 86.22 | 52.65 | 34.25 | 38.14 | 43.59 | 84.98 | 101.9 | 128.6 | 149.1 | 156.8 | 145.5 | 1131.2 |
| 2008-2009 | 115.7 | 88.71 | 62.04 | 43.44 | 44.42 | 48.04 | 77.39 | 99.87 | 128.3 | 149.1 | 157.6 | 144.3 | 1158.8 |
| 2009-2010 | 115.2 | 93.94 | 58.08 | 45.65 | 48.85 | 51.19 | 81.69 | 100.9 | 129.9 | 145.5 | 152.9 | 147.7 | 1171.5 |
| 2010-2011 | 119.3 | 91.39 | 64.85 | 48.29 | 43.44 | 47.86 | 78.12 | 98.26 | 126.8 | 145.9 | 155.3 | 145.4 | 1165.0 |
| 2011-2012 | 118.2 | 87.67 | 52.73 | 41.48 | 39.69 | 44.55 | 75.97 | 99.63 | 128.4 | 147 | 158.1 | 147.1 | 1140.4 |
| 2012-2013 | 117.3 | 91.79 | 60.36 | 43.69 | 42.11 | 50.26 | 81.12 | 101.6 | 133.1 | 146.7 | 154.2 | 145.9 | 1168.1 |
| 2013-2014 | 116.3 | 87.9 | 61.57 | 38.57 | 46.45 | 50.05 | 81.58 | 100.3 | 127.4 | 146.6 | 153.9 | 144.4 | 1155.1 |
| 2014-2015 | 116.7 | 88.87 | 57.36 | 46.81 | 41.21 | 46.49 | 80.66 | 97.13 | 129.8 | 142.9 | 154.3 | 146.2 | 1148.5 |
| AVERAGE | 117.7 | 91.3 | 57.8 | 41.7 | 41.1 | 46.2 | 77.8 | 99.3 | 129.9 | 147.6 | 157.1 | 146.0 | |

**Table A. 116** Lefkosa station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 105.2 | 77.5 | 37.0 | 29.6 | 26.7 | 34.1 | 53.9 | 76.3 | 126.7 | 184.6 | 214.9 | 172.9 | 1139.4 |
| 1979-1980 | 123.8 | 71.1 | 41.1 | 26.6 | 24.5 | 27.7 | 43.7 | 66.8 | 111.8 | 163.5 | 193.4 | 167.2 | 1061.3 |
| 1980-1981 | 106.3 | 70.5 | 41.0 | 27.9 | 25.7 | 29.5 | 51.5 | 73.5 | 103.9 | 169.8 | 199.4 | 170.4 | 1069.5 |
| 1981-1982 | 116.3 | 78.0 | 33.6 | 29.8 | 27.1 | 27.4 | 43.2 | 74.0 | 116.1 | 160.1 | 182.1 | 168.4 | 1056.3 |
| 1982-1983 | 117.5 | 72.4 | 33.8 | 25.3 | 22.9 | 26.7 | 44.9 | 73.1 | 119.3 | 151.5 | 187.4 | 159.8 | 1034.5 |
| 1983-1984 | 105.5 | 63.2 | 41.2 | 29.0 | 28.2 | 31.7 | 48.2 | 67.5 | 130.3 | 150.9 | 179.8 | 146.8 | 1022.2 |
| 1984-1985 | 99.9 | 63.5 | 33.4 | 24.1 | 28.1 | 26.7 | 45.6 | 74.7 | 124.1 | 150.9 | 172.7 | 163.4 | 1007.1 |
| 1985-1986 | 103.6 | 58.1 | 38.7 | 24.9 | 26.6 | 31.6 | 51.2 | 83.5 | 106.9 | 164.5 | 193.6 | 164.0 | 1047.4 |
| 1986-1987 | 116.2 | 67.1 | 33.8 | 26.4 | 27.6 | 31.4 | 38.9 | 65.6 | 106.1 | 154.9 | 193.8 | 164.5 | 1026.4 |
| 1987-1988 | 111.2 | 63.5 | 34.8 | 27.2 | 25.5 | 29.3 | 44.7 | 73.0 | 123.7 | 164.4 | 210.2 | 173.4 | 1080.9 |
| 1988-1989 | 111.4 | 61.6 | 32.7 | 26.3 | 22.9 | 28.5 | 49.9 | 90.1 | 127.5 | 153.3 | 195.3 | 163.2 | 1062.8 |
| 1989-1990 | 108.4 | 60.5 | 37.1 | 27.7 | 23.6 | 29.7 | 49.4 | 75.5 | 118.5 | 159.4 | 190.7 | 165.1 | 1045.5 |
| 1990-1991 | 108.0 | 72.5 | 41.5 | 28.4 | 26.6 | 29.7 | 53.9 | 78.5 | 114.8 | 164.9 | 182.8 | 165.3 | 1066.9 |
| 1991-1992 | 110.9 | 69.9 | 38.3 | 24.2 | 23.2 | 24.0 | 42.6 | 71.1 | 111.9 | 156.9 | 178.8 | 170.4 | 1022.3 |
| 1992-1993 | 106.0 | 74.1 | 37.5 | 23.3 | 24.4 | 26.7 | 44.8 | 71.9 | 105.8 | 165.8 | 194.1 | 175.2 | 1049.8 |
| 1993-1994 | 109.6 | 80.6 | 35.7 | 29.4 | 28.8 | 30.6 | 48.2 | 81.5 | 125.9 | 164.1 | 192.4 | 176.0 | 1102.7 |
| 1994-1995 | 123.1 | 80.0 | 36.0 | 24.7 | 27.5 | 31.3 | 49.2 | 71.2 | 119.3 | 172.3 | 191.6 | 167.6 | 1093.9 |
| 1995-1996 | 109.5 | 66.3 | 32.5 | 25.8 | 25.1 | 31.8 | 46.4 | 67.0 | 129.4 | 169.6 | 195.6 | 170.7 | 1069.8 |
| 1996-1997 | 107.2 | 62.9 | 40.1 | 29.9 | 27.4 | 28.0 | 44.1 | 63.7 | 128.6 | 170.6 | 204.9 | 152.8 | 1060.3 |
| 1997-1998 | 103.8 | 68.6 | 39.6 | 28.3 | 26.5 | 31.3 | 46.3 | 82.7 | 119.0 | 172.2 | 207.9 | 191.3 | 1117.6 |
| 1998-1999 | 112.0 | 75.0 | 43.0 | 29.5 | 21.0 | 22.3 | 34.8 | 50.7 | 84.9 | 111.9 | 138.0 | 122.5 | 845.5 |
| 1999-2000 | 74.4 | 52.1 | 28.9 | 20.9 | 23.8 | 29.5 | 44.4 | 74.9 | 117.2 | 178.5 | 205.3 | 163.1 | 1012.8 |
| 2000-2001 | 107.6 | 63.8 | 38.3 | 26.0 | 26.0 | 29.6 | 55.5 | 73.3 | 122.6 | 167.7 | 196.7 | 171.5 | 1078.5 |
| 2001-2002 | 110.0 | 69.9 | 37.5 | 27.0 | 24.2 | 33.6 | 52.6 | 72.3 | 117.0 | 168.6 | 205.3 | 169.9 | 1088.0 |
| 2002-2003 | 108.7 | 71.4 | 41.5 | 26.3 | 29.4 | 27.6 | 43.8 | 68.9 | 138.9 | 169.3 | 204.0 | 175.7 | 1105.5 |
| 2003-2004 | 107.2 | 71.1 | 39.2 | 27.3 | 25.5 | 29.3 | 52.2 | 74.9 | 116.1 | 165.7 | 205.6 | 166.3 | 1080.5 |
| 2004-2005 | 110.0 | 74.6 | 38.4 | 26.5 | 27.4 | 29.5 | 55.2 | 83.0 | 129.8 | 166.3 | 208.6 | 178.2 | 1127.3 |
| 2005-2006 | 121.0 | 72.0 | 38.8 | 30.8 | 26.1 | 32.7 | 52.5 | 85.0 | 128.2 | 177.3 | 202.2 | 179.4 | 1146.0 |
| 2006-2007 | 118.9 | 69.8 | 36.0 | 26.8 | 26.8 | 33.1 | 52.3 | 75.4 | 131.8 | 191.7 | 226.9 | 192.8 | 1182.3 |
| 2007-2008 | 123.1 | 78.4 | 41.5 | 27.6 | 22.7 | 29.9 | 56.3 | 80.7 | 118.2 | 177.1 | 201.9 | 180.4 | 1137.8 |
| 2008-2009 | 107.8 | 66.5 | 40.5 | 26.6 | 26.6 | 29.5 | 45.4 | 72.9 | 116.1 | 177.9 | 205.1 | 171.7 | 1086.6 |
| 2009-2010 | 105.1 | 74.9 | 37.2 | 28.9 | 27.4 | 31.3 | 51.0 | 77.4 | 120.0 | 158.5 | 190.3 | 189.7 | 1091.6 |
| 2010-2011 | 117.0 | 70.9 | 41.6 | 30.2 | 26.6 | 29.9 | 47.4 | 68.6 | 111.3 | 163.6 | 199.0 | 174.9 | 1081.2 |
| 2011-2012 | 115.9 | 65.3 | 32.7 | 25.3 | 24.0 | 26.0 | 43.1 | 72.9 | 112.1 | 171.7 | 214.1 | 181.7 | 1084.9 |
| 2012-2013 | 113.8 | 70.9 | 40.9 | 27.4 | 24.9 | 30.9 | 49.2 | 76.6 | 129.4 | 164.1 | 190.4 | 176.7 | 1095.1 |
| 2013-2014 | 108.4 | 64.1 | 41.7 | 24.5 | 28.2 | 31.4 | 52.6 | 76.7 | 113.1 | 163.8 | 190.0 | 173.3 | 1067.7 |
| 2014-2015 | 110.0 | 66.0 | 35.5 | 29.0 | 24.2 | 27.9 | 48.4 | 67.1 | 119.0 | 149.7 | 192.7 | 178.5 | 1048.2 |
| AVERAGE | 110.1 | 69.2 | 37.6 | 27.0 | 25.8 | 29.5 | 48.0 | 73.8 | 118.8 | 164.5 | 195.6 | 170.1 | |

**Table A. 117** Lefkosa station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 122.1 | 78.7 | 30.3 | 20.6 | 13.7 | 22.2 | 32.4 | 53.0 | 93.0 | 161.0 | 183.8 | 153.7 | 964.5 |
| 1979-1980 | 185.7 | 82.3 | 45.4 | 18.4 | 12.2 | 14.2 | 22.9 | 48.2 | 91.3 | 164.8 | 194.2 | 175.7 | 1055.3 |
| 1980-1981 | 144.0 | 78.3 | 43.4 | 20.3 | 13.8 | 16.8 | 33.4 | 56.5 | 78.3 | 166.7 | 193.8 | 173.2 | 1018.5 |
| 1981-1982 | 169.0 | 93.9 | 28.7 | 24.8 | 16.8 | 13.5 | 22.1 | 59.0 | 96.1 | 159.0 | 179.4 | 175.8 | 1038.1 |
| 1982-1983 | 187.6 | 91.1 | 31.6 | 16.8 | 10.2 | 13.3 | 26.5 | 62.4 | 108.2 | 160.4 | 201.3 | 179.1 | 1088.6 |
| 1983-1984 | 152.8 | 69.9 | 46.8 | 23.9 | 19.5 | 22.1 | 30.3 | 50.7 | 117.6 | 152.3 | 182.9 | 154.3 | 1023.1 |
| 1984-1985 | 156.5 | 77.5 | 32.3 | 15.3 | 21.1 | 14.0 | 28.8 | 68.4 | 120.3 | 167.8 | 191.5 | 193.2 | 1086.7 |
| 1985-1986 | 147.4 | 59.7 | 40.8 | 15.3 | 16.3 | 21.8 | 34.7 | 75.8 | 86.5 | 169.2 | 198.0 | 174.9 | 1040.3 |
| 1986-1987 | 186.2 | 81.5 | 31.8 | 19.5 | 19.4 | 22.8 | 17.4 | 50.2 | 90.9 | 166.6 | 211.0 | 186.8 | 1083.9 |
| 1987-1988 | 158.4 | 67.8 | 31.2 | 19.3 | 13.8 | 16.8 | 24.2 | 57.3 | 105.3 | 164.3 | 211.2 | 181.4 | 1050.9 |
| 1988-1989 | 163.2 | 66.0 | 27.4 | 18.0 | 9.6 | 15.8 | 32.6 | 85.9 | 112.7 | 153.5 | 199.3 | 173.3 | 1057.1 |
| 1989-1990 | 159.9 | 65.1 | 37.6 | 21.3 | 11.0 | 18.4 | 32.4 | 63.8 | 103.0 | 164.8 | 197.3 | 178.9 | 1053.6 |
| 1990-1991 | 143.1 | 79.6 | 43.3 | 20.7 | 15.0 | 16.7 | 35.9 | 62.5 | 89.4 | 156.3 | 170.4 | 162.8 | 995.6 |
| 1991-1992 | 179.5 | 89.4 | 43.7 | 15.1 | 11.2 | 8.9 | 23.7 | 61.2 | 101.5 | 174.2 | 196.9 | 199.9 | 1105.0 |
| 1992-1993 | 158.0 | 92.4 | 39.5 | 12.6 | 12.6 | 12.9 | 25.8 | 59.1 | 87.9 | 176.8 | 205.2 | 195.1 | 1077.9 |
| 1993-1994 | 137.4 | 87.9 | 29.5 | 21.3 | 17.8 | 17.2 | 26.4 | 63.3 | 97.1 | 146.7 | 171.2 | 165.4 | 981.1 |
| 1994-1995 | 168.6 | 90.5 | 31.3 | 13.3 | 16.3 | 19.2 | 28.8 | 50.8 | 93.2 | 162.4 | 177.0 | 162.5 | 1014.0 |
| 1995-1996 | 158.2 | 74.2 | 26.9 | 16.8 | 13.4 | 22.0 | 27.2 | 49.0 | 114.3 | 174.3 | 198.5 | 181.6 | 1056.5 |
| 1996-1997 | 152.3 | 67.6 | 43.3 | 25.3 | 17.5 | 14.6 | 23.6 | 43.5 | 112.6 | 174.5 | 207.9 | 158.2 | 1040.9 |
| 1997-1998 | 128.0 | 69.4 | 37.5 | 19.5 | 14.1 | 18.6 | 24.1 | 65.4 | 90.1 | 157.2 | 188.4 | 182.7 | 994.9 |
| 1998-1999 | 272.6 | 144.1 | 80.8 | 39.5 | 10.3 | 8.7 | 16.9 | 38.4 | 89.0 | 152.0 | 202.1 | 189.2 | 1243.5 |
| 1999-2000 | 105.9 | 59.4 | 23.9 | 9.7 | 13.7 | 21.8 | 29.7 | 76.1 | 122.1 | 231.4 | 260.3 | 213.3 | 1167.3 |
| 2000-2001 | 146.1 | 66.3 | 37.6 | 16.4 | 14.2 | 16.9 | 39.2 | 56.2 | 101.0 | 163.6 | 190.3 | 173.9 | 1021.7 |
| 2001-2002 | 146.9 | 75.1 | 35.0 | 18.0 | 11.0 | 23.8 | 34.0 | 53.3 | 92.0 | 160.7 | 194.9 | 167.9 | 1012.7 |
| 2002-2003 | 141.0 | 76.0 | 42.4 | 16.2 | 19.4 | 12.8 | 21.3 | 47.3 | 115.0 | 158.0 | 189.4 | 170.8 | 1009.5 |
| 2003-2004 | 143.4 | 78.2 | 39.0 | 18.7 | 13.3 | 16.1 | 33.9 | 57.8 | 92.1 | 159.2 | 197.7 | 165.8 | 1015.2 |
| 2004-2005 | 134.1 | 76.4 | 33.8 | 15.5 | 15.1 | 15.0 | 34.9 | 63.5 | 98.8 | 145.2 | 182.7 | 163.4 | 978.5 |
| 2005-2006 | 144.9 | 68.7 | 32.8 | 22.3 | 12.4 | 19.3 | 29.9 | 63.0 | 92.3 | 149.6 | 167.7 | 156.5 | 959.3 |
| 2006-2007 | 140.4 | 65.1 | 27.6 | 15.3 | 13.3 | 19.8 | 29.4 | 50.2 | 95.4 | 163.2 | 189.0 | 168.1 | 976.8 |
| 2007-2008 | 153.2 | 80.5 | 38.8 | 17.2 | 7.8 | 15.3 | 35.7 | 59.1 | 84.5 | 153.9 | 172.3 | 162.2 | 980.5 |
| 2008-2009 | 145.9 | 70.8 | 42.1 | 17.4 | 15.2 | 16.7 | 24.4 | 55.3 | 92.8 | 175.5 | 198.8 | 173.5 | 1028.4 |
| 2009-2010 | 133.4 | 81.3 | 33.4 | 21.1 | 15.9 | 18.9 | 30.9 | 59.1 | 93.1 | 144.2 | 173.8 | 184.9 | 990.0 |
| 2010-2011 | 159.4 | 76.5 | 43.2 | 24.2 | 15.0 | 17.0 | 26.6 | 47.7 | 84.8 | 153.8 | 187.2 | 172.8 | 1008.1 |
| 2011-2012 | 174.1 | 73.4 | 27.6 | 16.1 | 11.6 | 11.4 | 22.6 | 59.1 | 93.7 | 179.5 | 222.8 | 197.4 | 1089.4 |
| 2012-2013 | 149.9 | 74.8 | 40.9 | 18.2 | 11.8 | 18.4 | 28.5 | 58.1 | 103.9 | 151.2 | 174.3 | 171.2 | 1001.1 |
| 2013-2014 | 147.7 | 66.7 | 44.7 | 13.5 | 18.1 | 20.1 | 34.9 | 61.2 | 89.3 | 158.6 | 182.5 | 175.9 | 1013.3 |
| 2014-2015 | 163.6 | 75.7 | 34.1 | 24.1 | 12.1 | 15.0 | 30.9 | 50.4 | 103.9 | 151.6 | 200.0 | 195.8 | 1057.3 |
| AVERAGE | 155.7 | 77.6 | 37.3 | 19.0 | 14.2 | 17.0 | 28.6 | 57.9 | 98.2 | 162.8 | 193.1 | 176.0 | |

**Table A. 118** Lefkosa station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 180.6 | 178.5 | 140.1 | 135.5 | 124.7 | 121.1 | 142.7 | 149.7 | 177.2 | 193.8 | 210.9 | 205.1 | 1960.0 |
| 1979-1980 | 191.7 | 172.5 | 147.3 | 128.1 | 118.5 | 107.9 | 127.9 | 140.7 | 168.4 | 185.6 | 203.5 | 202.8 | 1894.7 |
| 1980-1981 | 181.3 | 171.9 | 147.1 | 131.4 | 121.9 | 111.8 | 139.5 | 147.2 | 163.3 | 188.1 | 205.7 | 204.1 | 1913.3 |
| 1981-1982 | 187.4 | 179 | 133.5 | 136 | 125.7 | 107.1 | 127.2 | 147.7 | 171.1 | 184.1 | 199.3 | 203.3 | 1901.3 |
| 1982-1983 | 188.1 | 173.7 | 133.9 | 124.3 | 113.8 | 105.5 | 129.8 | 146.9 | 172.9 | 180.3 | 201.3 | 199.6 | 1870.2 |
| 1983-1984 | 180.7 | 164.2 | 147.4 | 134 | 128.6 | 116.3 | 134.8 | 141.4 | 179.2 | 180.1 | 198.4 | 193.6 | 1898.6 |
| 1984-1985 | 177.1 | 164.5 | 133.1 | 121.1 | 128.2 | 105.5 | 130.9 | 148.3 | 175.8 | 180.1 | 195.5 | 201.1 | 1861.1 |
| 1985-1986 | 179.6 | 158.2 | 143.1 | 123.4 | 124.4 | 116.2 | 139.1 | 156 | 165.2 | 186 | 203.6 | 201.4 | 1896.2 |
| 1986-1987 | 187.4 | 168.4 | 133.9 | 127.5 | 127.1 | 115.8 | 119.7 | 139.5 | 164.7 | 181.9 | 203.6 | 201.6 | 1871.1 |
| 1987-1988 | 184.4 | 164.5 | 135.9 | 129.4 | 121.4 | 111.3 | 129.5 | 146.8 | 175.5 | 185.9 | 209.4 | 205.3 | 1899.4 |
| 1988-1989 | 184.5 | 162.4 | 131.7 | 127.1 | 113.8 | 109.7 | 137.2 | 161.1 | 177.7 | 181.2 | 204.2 | 201 | 1891.7 |
| 1989-1990 | 182.6 | 161.1 | 140.2 | 130.8 | 116 | 112.3 | 136.5 | 149 | 172.5 | 183.8 | 202.5 | 201.9 | 1889.4 |
| 1990-1991 | 182.3 | 173.8 | 147.9 | 132.6 | 124.4 | 112.3 | 142.7 | 151.7 | 170.2 | 186.1 | 199.5 | 202 | 1925.7 |
| 1991-1992 | 184.2 | 171.3 | 142.4 | 121.3 | 114.9 | 98.78 | 126.2 | 145 | 168.5 | 182.8 | 198 | 204.1 | 1857.2 |
| 1992-1993 | 181.1 | 175.4 | 141.1 | 118.8 | 118.3 | 105.4 | 129.7 | 145.7 | 164.5 | 186.5 | 203.8 | 206.1 | 1876.3 |
| 1993-1994 | 183.4 | 181.3 | 137.6 | 134.9 | 129.9 | 114.1 | 134.8 | 154.3 | 176.7 | 185.8 | 203.2 | 206.4 | 1942.4 |
| 1994-1995 | 191.3 | 180.8 | 138.2 | 122.7 | 126.7 | 115.6 | 136.3 | 145 | 173 | 189.1 | 202.9 | 202.9 | 1924.5 |
| 1995-1996 | 183.3 | 167.4 | 131.3 | 125.7 | 120.3 | 116.7 | 132.2 | 141 | 178.7 | 188 | 204.3 | 204.3 | 1893.3 |
| 1996-1997 | 181.9 | 163.8 | 145.7 | 136.2 | 126.5 | 108.4 | 128.6 | 137.5 | 178.2 | 188.5 | 207.6 | 196.4 | 1899.3 |
| 1997-1998 | 179.7 | 169.9 | 144.8 | 132.3 | 124 | 115.6 | 132 | 155.3 | 172.8 | 189.1 | 208.7 | 212.2 | 1936.4 |
| 1998-1999 | 184.8 | 176.2 | 150.4 | 135.3 | 107.7 | 93.95 | 111.9 | 121.9 | 149 | 159.7 | 179.8 | 180.8 | 1751.4 |
| 1999-2000 | 156.9 | 150.4 | 123.1 | 111 | 116.5 | 111.9 | 129 | 148.5 | 171.7 | 191.6 | 207.7 | 201 | 1819.4 |
| 2000-2001 | 182.1 | 164.8 | 142.5 | 126.3 | 122.6 | 112.1 | 144.8 | 147.1 | 174.9 | 187.3 | 204.7 | 204.5 | 1913.6 |
| 2001-2002 | 183.6 | 171.2 | 141 | 129.1 | 117.8 | 120.2 | 140.9 | 146.1 | 171.6 | 187.7 | 207.7 | 203.9 | 1921.0 |
| 2002-2003 | 182.8 | 172.7 | 148 | 127.1 | 131.3 | 107.6 | 128.1 | 142.8 | 183.7 | 187.9 | 207.3 | 206.2 | 1925.6 |
| 2003-2004 | 181.8 | 172.5 | 144.1 | 129.8 | 121.5 | 111.3 | 140.5 | 148.5 | 171.1 | 186.5 | 207.9 | 202.4 | 1917.7 |
| 2004-2005 | 183.6 | 175.8 | 142.6 | 127.6 | 126.5 | 111.8 | 144.4 | 155.5 | 178.9 | 186.7 | 208.9 | 207.2 | 1949.5 |
| 2005-2006 | 190.1 | 173.3 | 143.3 | 138.3 | 123.1 | 118.3 | 140.8 | 157.2 | 178 | 191.1 | 206.7 | 207.7 | 1967.9 |
| 2006-2007 | 188.9 | 171.2 | 138.2 | 128.6 | 124.8 | 119.1 | 140.5 | 148.9 | 180 | 196.4 | 214.8 | 212.8 | 1964.3 |
| 2007-2008 | 191.3 | 179.3 | 147.9 | 130.5 | 113.2 | 112.7 | 145.8 | 153.6 | 172.4 | 191 | 206.6 | 208.1 | 1952.4 |
| 2008-2009 | 182.2 | 167.7 | 146.3 | 127.9 | 124.3 | 111.9 | 130.6 | 146.7 | 171.1 | 191.3 | 207.7 | 204.6 | 1912.3 |
| 2009-2010 | 180.5 | 176.1 | 140.4 | 133.8 | 126.4 | 115.6 | 138.8 | 150.7 | 173.4 | 183.5 | 202.4 | 211.6 | 1933.2 |
| 2010-2011 | 187.8 | 172.3 | 148 | 137 | 124.5 | 112.7 | 133.6 | 142.6 | 168.1 | 185.6 | 205.5 | 206 | 1923.7 |
| 2011-2012 | 187.2 | 166.4 | 131.7 | 124.4 | 117.2 | 103.7 | 127 | 146.7 | 168.6 | 188.9 | 210.7 | 208.6 | 1881.2 |
| 2012-2013 | 185.9 | 172.2 | 146.9 | 130 | 119.7 | 114.8 | 136.2 | 150 | 178.7 | 185.8 | 202.5 | 206.6 | 1929.4 |
| 2013-2014 | 182.6 | 165.1 | 148.2 | 122.1 | 128.4 | 115.8 | 141 | 150.2 | 169.2 | 185.7 | 202.3 | 205.3 | 1915.8 |
| 2014-2015 | 183.6 | 167.2 | 137.2 | 134 | 117.9 | 108.4 | 135.1 | 141.1 | 172.8 | 179.6 | 203.3 | 207.4 | 1887.5 |
| AVERAGE | 183.5 | 170.2 | 141.0 | 128.8 | 122.0 | 111.6 | 134.2 | 147.2 | 172.4 | 185.8 | 204.1 | 203.8 | |

**Table A. 119** Lefkosa station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 138.7 | 65.97 | 47.15 | 43.3 | 41.03 | 43.31 | 56.09 | 121.8 | 154.6 | 175.1 | 187.4 | 171.5 | 1245.9 |
| 1979-1980 | 147.3 | 63.73 | 49.57 | 40.93 | 39 | 38.58 | 50.28 | 114.4 | 146.9 | 167.6 | 180.8 | 169.5 | 1208.6 |
| 1980-1981 | 139.3 | 63.52 | 49.51 | 42 | 40.09 | 39.98 | 54.85 | 119.7 | 142.4 | 169.9 | 182.7 | 170.6 | 1214.7 |
| 1981-1982 | 144 | 66.15 | 44.94 | 43.47 | 41.37 | 38.3 | 49.99 | 120.1 | 149.2 | 166.3 | 177.1 | 169.9 | 1210.9 |
| 1982-1983 | 144.5 | 64.2 | 45.09 | 39.73 | 37.45 | 37.71 | 51.02 | 119.4 | 150.9 | 162.9 | 178.8 | 166.8 | 1198.6 |
| 1983-1984 | 138.8 | 60.67 | 49.61 | 42.81 | 42.31 | 41.59 | 52.98 | 115 | 156.3 | 162.7 | 176.2 | 161.8 | 1200.9 |
| 1984-1985 | 136 | 60.79 | 44.82 | 38.71 | 42.18 | 37.71 | 51.43 | 120.6 | 153.3 | 162.7 | 173.7 | 168.1 | 1190.1 |
| 1985-1986 | 137.9 | 58.48 | 48.19 | 39.43 | 40.94 | 41.55 | 54.68 | 126.8 | 144.1 | 168 | 180.9 | 168.4 | 1209.4 |
| 1986-1987 | 143.9 | 62.22 | 45.06 | 40.73 | 41.82 | 41.41 | 47.05 | 113.4 | 143.7 | 164.3 | 180.9 | 168.5 | 1193.2 |
| 1987-1988 | 141.6 | 60.79 | 45.76 | 41.36 | 39.95 | 39.8 | 50.92 | 119.3 | 153.1 | 168 | 186 | 171.6 | 1218.3 |
| 1988-1989 | 141.7 | 60 | 44.33 | 40.63 | 37.43 | 39.22 | 53.94 | 131 | 155 | 163.6 | 181.5 | 168.1 | 1216.5 |
| 1989-1990 | 140.3 | 59.53 | 47.19 | 41.81 | 38.16 | 40.16 | 53.66 | 121.2 | 150.5 | 166.1 | 179.9 | 168.8 | 1207.2 |
| 1990-1991 | 140.1 | 64.24 | 49.8 | 42.37 | 40.93 | 40.15 | 56.07 | 123.4 | 148.5 | 168.2 | 177.3 | 168.8 | 1219.8 |
| 1991-1992 | 141.5 | 63.29 | 47.95 | 38.76 | 37.79 | 35.31 | 49.58 | 117.9 | 147 | 165.1 | 175.9 | 170.6 | 1190.6 |
| 1992-1993 | 139.1 | 64.81 | 47.49 | 37.95 | 38.91 | 37.68 | 50.98 | 118.5 | 143.5 | 168.5 | 181.1 | 172.3 | 1200.8 |
| 1993-1994 | 140.9 | 66.99 | 46.31 | 43.12 | 42.74 | 40.8 | 52.99 | 125.5 | 154.2 | 167.8 | 180.5 | 172.5 | 1234.4 |
| 1994-1995 | 147 | 66.81 | 46.52 | 39.2 | 41.7 | 41.32 | 53.56 | 118 | 150.9 | 170.9 | 180.2 | 169.6 | 1225.7 |
| 1995-1996 | 140.8 | 61.89 | 44.2 | 40.17 | 39.59 | 41.72 | 51.96 | 114.6 | 155.9 | 169.9 | 181.5 | 170.7 | 1213.0 |
| 1996-1997 | 139.7 | 60.54 | 49.03 | 43.53 | 41.63 | 38.75 | 50.55 | 111.8 | 155.5 | 170.3 | 184.4 | 164.2 | 1210.0 |
| 1997-1998 | 138 | 62.79 | 48.73 | 42.28 | 40.8 | 41.34 | 51.89 | 126.3 | 150.8 | 170.8 | 185.4 | 177.4 | 1236.5 |
| 1998-1999 | 142 | 65.12 | 50.62 | 43.25 | 35.42 | 33.57 | 43.98 | 99.11 | 130 | 144.2 | 159.7 | 151.2 | 1098.1 |
| 1999-2000 | 120.6 | 55.6 | 41.44 | 35.48 | 38.32 | 40 | 50.71 | 120.7 | 149.8 | 173 | 184.6 | 168 | 1178.3 |
| 2000-2001 | 139.9 | 60.9 | 47.96 | 40.37 | 40.35 | 40.07 | 56.91 | 119.6 | 152.6 | 169.2 | 181.9 | 171 | 1220.7 |
| 2001-2002 | 141.1 | 63.29 | 47.48 | 41.26 | 38.75 | 42.97 | 55.4 | 118.8 | 149.7 | 169.5 | 184.6 | 170.4 | 1223.3 |
| 2002-2003 | 140.4 | 63.84 | 49.8 | 40.62 | 43.21 | 38.44 | 50.35 | 116.2 | 160.3 | 169.8 | 184.2 | 172.4 | 1229.5 |
| 2003-2004 | 139.7 | 63.74 | 48.49 | 41.47 | 39.98 | 39.8 | 55.21 | 120.7 | 149.2 | 168.5 | 184.7 | 169.2 | 1220.7 |
| 2004-2005 | 141.1 | 64.97 | 48 | 40.77 | 41.6 | 39.97 | 56.74 | 126.5 | 156.1 | 168.7 | 185.6 | 173.3 | 1243.2 |
| 2005-2006 | 146.1 | 64.05 | 48.22 | 44.21 | 40.49 | 42.3 | 55.35 | 127.8 | 155.3 | 172.6 | 183.6 | 173.7 | 1253.7 |
| 2006-2007 | 145.2 | 63.26 | 46.51 | 41.1 | 41.06 | 42.59 | 55.23 | 121.1 | 157 | 177.4 | 190.8 | 177.9 | 1259.2 |
| 2007-2008 | 147 | 66.28 | 49.77 | 41.71 | 37.24 | 40.28 | 57.31 | 124.9 | 150.4 | 172.5 | 183.5 | 174 | 1244.9 |
| 2008-2009 | 140 | 62 | 49.24 | 40.86 | 40.88 | 40 | 51.35 | 119.3 | 149.2 | 172.8 | 184.5 | 171.1 | 1221.2 |
| 2009-2010 | 138.7 | 65.08 | 47.26 | 42.77 | 41.6 | 41.31 | 54.54 | 122.6 | 151.3 | 165.7 | 179.8 | 176.9 | 1227.6 |
| 2010-2011 | 144.3 | 63.66 | 49.83 | 43.78 | 40.95 | 40.31 | 52.51 | 115.9 | 146.7 | 167.7 | 182.6 | 172.2 | 1220.4 |
| 2011-2012 | 143.8 | 61.5 | 44.32 | 39.77 | 38.57 | 37.07 | 49.92 | 119.3 | 147.1 | 170.6 | 187.2 | 174.4 | 1213.6 |
| 2012-2013 | 142.8 | 63.65 | 49.44 | 41.53 | 39.4 | 41.05 | 53.54 | 122 | 155.9 | 167.8 | 179.9 | 172.7 | 1229.8 |
| 2013-2014 | 140.3 | 61.01 | 49.88 | 39.01 | 42.25 | 41.39 | 55.42 | 122.1 | 147.6 | 167.7 | 179.7 | 171.6 | 1218.1 |
| 2014-2015 | 141.1 | 61.8 | 46.18 | 42.84 | 38.77 | 38.74 | 53.11 | 114.7 | 150.8 | 162.2 | 180.6 | 173.4 | 1204.1 |
| AVERAGE | 141.0 | 62.9 | 47.5 | 41.2 | 40.1 | 39.9 | 52.8 | 119.7 | 150.4 | 167.8 | 181.3 | 170.4 | |

**Table A. 120** Lefkosa station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 122.8 | 99.65 | 57.98 | 45.36 | 43.4 | 53.5 | 87.47 | 107.8 | 142.2 | 162.5 | 171.4 | 155.8 | 1249.9 |
| 1979-1980 | 129 | 96.25 | 62.01 | 41.19 | 39.92 | 46.06 | 79.19 | 102.7 | 137.3 | 157.9 | 167.3 | 154.5 | 1213.3 |
| 1980-1981 | 123.2 | 95.91 | 61.93 | 43.08 | 41.81 | 48.28 | 85.7 | 106.3 | 134.4 | 159.3 | 168.5 | 155.3 | 1223.7 |
| 1981-1982 | 126.6 | 99.91 | 54.3 | 45.65 | 43.99 | 45.65 | 78.76 | 106.6 | 138.8 | 157.1 | 164.9 | 154.8 | 1217.0 |
| 1982-1983 | 127 | 96.95 | 54.55 | 39.08 | 37.31 | 44.73 | 80.23 | 106.1 | 139.9 | 155 | 166 | 152.7 | 1199.6 |
| 1983-1984 | 122.9 | 91.6 | 62.08 | 44.51 | 45.57 | 50.8 | 83.03 | 103.1 | 143.4 | 154.8 | 164.4 | 149.4 | 1215.5 |
| 1984-1985 | 120.8 | 91.77 | 54.09 | 37.29 | 45.37 | 44.72 | 80.83 | 106.9 | 141.4 | 154.8 | 162.8 | 153.6 | 1194.5 |
| 1985-1986 | 122.2 | 88.28 | 59.71 | 38.56 | 43.27 | 50.75 | 85.44 | 111.2 | 135.5 | 158.1 | 167.3 | 153.8 | 1214.2 |
| 1986-1987 | 126.6 | 93.95 | 54.51 | 40.86 | 44.75 | 50.51 | 74.58 | 102 | 135.3 | 155.8 | 167.3 | 153.9 | 1200.1 |
| 1987-1988 | 124.9 | 91.77 | 55.67 | 41.94 | 41.56 | 47.99 | 80.1 | 106.1 | 141.3 | 158.1 | 170.5 | 156 | 1215.9 |
| 1988-1989 | 125 | 90.59 | 53.29 | 40.68 | 37.29 | 47.08 | 84.41 | 114.1 | 142.5 | 155.4 | 167.6 | 153.6 | 1211.6 |
| 1989-1990 | 123.9 | 89.88 | 58.06 | 42.75 | 38.54 | 48.56 | 84.01 | 107.4 | 139.6 | 156.9 | 166.7 | 154 | 1210.3 |
| 1990-1991 | 123.8 | 97.03 | 62.39 | 43.73 | 43.23 | 48.55 | 87.44 | 108.9 | 138.3 | 158.2 | 165 | 154.1 | 1230.7 |
| 1991-1992 | 124.8 | 95.57 | 59.3 | 37.41 | 37.89 | 40.96 | 78.19 | 105.1 | 137.4 | 156.3 | 164.1 | 155.3 | 1192.3 |
| 1992-1993 | 123.1 | 97.88 | 58.56 | 35.98 | 39.81 | 44.67 | 80.19 | 105.5 | 135.2 | 158.4 | 167.4 | 156.4 | 1203.0 |
| 1993-1994 | 124.3 | 101.2 | 56.59 | 45.03 | 46.32 | 49.56 | 83.07 | 110.3 | 142 | 158 | 167.1 | 156.6 | 1240.1 |
| 1994-1995 | 128.8 | 100.9 | 56.93 | 38.16 | 44.55 | 50.38 | 83.86 | 105.1 | 139.9 | 159.9 | 166.9 | 154.6 | 1230.0 |
| 1995-1996 | 124.3 | 93.43 | 53.08 | 39.88 | 40.96 | 51 | 81.6 | 102.8 | 143.1 | 159.3 | 167.7 | 155.4 | 1212.5 |
| 1996-1997 | 123.5 | 91.4 | 61.12 | 45.76 | 44.44 | 46.35 | 79.57 | 100.9 | 142.8 | 159.5 | 169.5 | 151 | 1215.9 |
| 1997-1998 | 122.3 | 94.81 | 60.61 | 43.57 | 43.02 | 50.41 | 81.49 | 110.9 | 139.8 | 159.9 | 170.1 | 159.8 | 1236.7 |
| 1998-1999 | 125.2 | 98.34 | 63.78 | 45.26 | 33.86 | 38.25 | 70.19 | 92.15 | 126.4 | 143.4 | 154 | 142.2 | 1132.9 |
| 1999-2000 | 109.5 | 83.91 | 48.48 | 31.64 | 38.8 | 48.32 | 79.8 | 107 | 139.2 | 161.2 | 169.6 | 153.5 | 1171.1 |
| 2000-2001 | 123.6 | 91.95 | 59.34 | 40.2 | 42.25 | 48.41 | 88.65 | 106.3 | 140.9 | 158.8 | 167.9 | 155.5 | 1223.9 |
| 2001-2002 | 124.5 | 95.57 | 58.53 | 41.78 | 39.54 | 52.98 | 86.48 | 105.7 | 139.1 | 159.1 | 169.6 | 155.2 | 1228.0 |
| 2002-2003 | 124 | 96.4 | 62.4 | 40.65 | 47.12 | 45.88 | 79.29 | 103.9 | 145.9 | 159.2 | 169.4 | 156.5 | 1230.6 |
| 2003-2004 | 123.5 | 96.26 | 60.22 | 42.15 | 41.62 | 47.99 | 86.22 | 107.1 | 138.8 | 158.4 | 169.7 | 154.3 | 1226.2 |
| 2004-2005 | 124.5 | 98.13 | 59.41 | 40.91 | 44.39 | 48.27 | 88.4 | 111 | 143.2 | 158.5 | 170.3 | 157 | 1244.0 |
| 2005-2006 | 128.1 | 96.73 | 59.77 | 46.95 | 42.51 | 51.9 | 86.42 | 111.9 | 142.7 | 161 | 169 | 157.3 | 1254.4 |
| 2006-2007 | 127.5 | 95.53 | 56.93 | 41.49 | 43.46 | 52.38 | 86.24 | 107.3 | 143.8 | 164 | 173.6 | 160.2 | 1252.3 |
| 2007-2008 | 128.8 | 100.1 | 62.35 | 42.57 | 36.96 | 48.76 | 89.2 | 109.9 | 139.5 | 160.9 | 169 | 157.5 | 1245.6 |
| 2008-2009 | 123.7 | 93.61 | 61.47 | 41.08 | 43.16 | 48.32 | 80.71 | 106 | 138.8 | 161.1 | 169.6 | 155.6 | 1223.2 |
| 2009-2010 | 122.7 | 98.28 | 58.17 | 44.41 | 44.37 | 50.37 | 85.26 | 108.3 | 140.1 | 156.7 | 166.6 | 159.5 | 1234.9 |
| 2010-2011 | 126.8 | 96.14 | 62.45 | 46.2 | 43.27 | 48.79 | 82.37 | 103.7 | 137.1 | 157.9 | 168.4 | 156.3 | 1229.6 |
| 2011-2012 | 126.5 | 92.86 | 53.28 | 39.15 | 39.21 | 43.73 | 78.67 | 106.1 | 137.4 | 159.8 | 171.3 | 157.8 | 1205.7 |
| 2012-2013 | 125.8 | 96.11 | 61.8 | 42.26 | 40.63 | 49.96 | 83.84 | 107.9 | 143.1 | 158 | 166.7 | 156.7 | 1232.8 |
| 2013-2014 | 123.9 | 92.12 | 62.53 | 37.85 | 45.48 | 50.5 | 86.51 | 108 | 137.8 | 158 | 166.6 | 156 | 1225.1 |
| 2014-2015 | 124.5 | 93.32 | 56.38 | 44.54 | 39.57 | 46.33 | 83.22 | 102.9 | 139.8 | 154.5 | 167.1 | 157.1 | 1209.3 |
| AVERAGE | 124.4 | 95.0 | 58.5 | 41.6 | 41.9 | 48.2 | 82.7 | 106.4 | 139.6 | 158.0 | 167.6 | 155.1 | |

**Table A. 121** Mehmetcik station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 108.0 | 75.6 | 36.4 | 29.3 | 29.1 | 34.9 | 51.5 | 71.4 | 109.9 | 160.6 | 185.6 | 150.6 | 1042.8 |
| 1979-1980 | 106.8 | 73.4 | 44.7 | 29.3 | 25.6 | 30.1 | 46.2 | 66.6 | 99.8 | 149.6 | 167.6 | 154.1 | 993.8 |
| 1980-1981 | 101.9 | 66.8 | 41.7 | 29.6 | 27.7 | 31.1 | 52.5 | 73.2 | 98.3 | 156.9 | 191.7 | 166.0 | 1037.5 |
| 1981-1982 | 115.5 | 78.6 | 37.1 | 32.4 | 29.8 | 28.3 | 44.4 | 73.1 | 112.3 | 157.8 | 180.8 | 168.6 | 1058.6 |
| 1982-1983 | 121.8 | 76.2 | 37.9 | 27.7 | 25.0 | 29.6 | 46.8 | 70.0 | 113.4 | 143.8 | 185.9 | 160.5 | 1038.6 |
| 1983-1984 | 110.2 | 66.6 | 43.8 | 32.0 | 31.2 | 36.4 | 53.8 | 72.1 | 124.6 | 162.8 | 180.8 | 161.3 | 1075.5 |
| 1984-1985 | 112.3 | 83.6 | 40.0 | 28.9 | 31.6 | 29.9 | 50.7 | 75.7 | 122.3 | 160.8 | 187.8 | 177.5 | 1101.2 |
| 1985-1986 | 118.7 | 70.4 | 46.2 | 30.9 | 31.0 | 34.9 | 53.6 | 86.4 | 109.7 | 156.8 | 182.6 | 162.9 | 1084.0 |
| 1986-1987 | 119.2 | 68.7 | 35.7 | 26.3 | 29.3 | 36.3 | 43.9 | 69.1 | 106.6 | 149.4 | 196.9 | 174.7 | 1056.0 |
| 1987-1988 | 118.1 | 71.5 | 42.2 | 30.1 | 29.1 | 32.6 | 48.8 | 74.2 | 123.3 | 164.8 | 214.9 | 181.8 | 1131.2 |
| 1988-1989 | 120.4 | 74.2 | 37.9 | 30.7 | 26.7 | 33.0 | 54.0 | 89.3 | 128.6 | 153.9 | 194.0 | 163.2 | 1105.8 |
| 1989-1990 | 113.2 | 66.9 | 42.6 | 30.6 | 27.4 | 32.9 | 54.3 | 78.8 | 117.9 | 153.0 | 190.1 | 172.0 | 1079.7 |
| 1990-1991 | 113.7 | 78.8 | 47.8 | 33.4 | 30.2 | 33.9 | 57.5 | 83.5 | 124.7 | 166.0 | 184.2 | 161.6 | 1115.1 |
| 1991-1992 | 108.6 | 74.9 | 40.8 | 26.3 | 24.7 | 25.4 | 45.3 | 69.2 | 105.4 | 147.7 | 172.8 | 167.8 | 1008.9 |
| 1992-1993 | 112.0 | 75.7 | 41.4 | 25.1 | 26.9 | 28.6 | 49.2 | 69.4 | 104.4 | 157.9 | 185.9 | 159.6 | 1036.2 |
| 1993-1994 | 109.1 | 84.6 | 39.4 | 33.1 | 32.2 | 32.9 | 51.8 | 82.8 | 130.7 | 175.3 | 194.2 | 181.4 | 1147.6 |
| 1994-1995 | 129.2 | 89.5 | 42.6 | 28.1 | 31.4 | 37.0 | 56.9 | 71.1 | 117.7 | 163.1 | 183.8 | 164.1 | 1114.5 |
| 1995-1996 | 113.3 | 68.6 | 35.0 | 28.5 | 27.1 | 33.3 | 47.6 | 65.6 | 116.6 | 157.1 | 184.7 | 165.5 | 1043.1 |
| 1996-1997 | 109.5 | 70.0 | 44.6 | 35.6 | 32.0 | 30.7 | 47.6 | 67.7 | 119.2 | 166.2 | 202.2 | 155.8 | 1080.9 |
| 1997-1998 | 107.8 | 70.5 | 43.5 | 30.6 | 28.2 | 33.5 | 47.9 | 81.1 | 115.3 | 165.0 | 202.9 | 185.2 | 1111.4 |
| 1998-1999 | 116.4 | 77.9 | 47.2 | 31.8 | 32.0 | 34.2 | 52.7 | 73.6 | 129.7 | 163.7 | 198.0 | 178.1 | 1135.3 |
| 1999-2000 | 120.3 | 78.1 | 42.7 | 33.1 | 25.2 | 32.1 | 48.6 | 76.2 | 118.2 | 179.2 | 213.7 | 180.8 | 1148.1 |
| 2000-2001 | 118.7 | 71.3 | 43.9 | 31.5 | 31.3 | 34.6 | 60.7 | 81.7 | 120.8 | 167.7 | 197.0 | 179.5 | 1138.9 |
| 2001-2002 | 119.5 | 78.0 | 41.6 | 30.1 | 26.7 | 35.4 | 54.8 | 73.2 | 115.5 | 166.6 | 204.7 | 170.4 | 1116.5 |
| 2002-2003 | 116.2 | 75.3 | 45.3 | 28.7 | 32.8 | 29.7 | 47.3 | 72.7 | 133.2 | 166.4 | 206.4 | 184.5 | 1138.5 |
| 2003-2004 | 116.2 | 75.7 | 44.1 | 31.7 | 28.4 | 32.2 | 55.7 | 79.6 | 119.3 | 166.0 | 203.0 | 171.5 | 1123.3 |
| 2004-2005 | 118.2 | 83.9 | 45.4 | 29.2 | 30.9 | 32.9 | 55.4 | 79.6 | 123.2 | 161.7 | 195.9 | 178.1 | 1134.4 |
| 2005-2006 | 123.0 | 71.6 | 40.6 | 33.2 | 29.8 | 35.9 | 56.7 | 83.6 | 128.2 | 177.2 | 210.5 | 184.6 | 1175.0 |
| 2006-2007 | 133.4 | 82.5 | 42.0 | 31.3 | 29.8 | 36.2 | 56.1 | 77.3 | 132.5 | 183.6 | 218.7 | 191.9 | 1215.2 |
| 2007-2008 | 126.4 | 88.3 | 47.6 | 32.8 | 26.0 | 32.1 | 59.2 | 81.1 | 115.5 | 167.0 | 189.7 | 171.4 | 1137.0 |
| 2008-2009 | 113.1 | 74.5 | 46.0 | 31.0 | 30.9 | 33.8 | 50.6 | 75.6 | 118.3 | 171.3 | 192.9 | 169.1 | 1107.1 |
| 2009-2010 | 109.2 | 80.9 | 42.2 | 33.4 | 31.7 | 35.6 | 56.8 | 80.2 | 114.9 | 152.4 | 179.1 | 180.7 | 1097.2 |
| 2010-2011 | 121.5 | 78.3 | 50.3 | 35.4 | 30.7 | 34.2 | 53.0 | 73.3 | 112.9 | 156.9 | 186.5 | 170.6 | 1103.6 |
| 2011-2012 | 118.6 | 71.9 | 37.1 | 29.7 | 27.8 | 30.4 | 47.9 | 76.2 | 114.6 | 163.6 | 202.6 | 179.4 | 1100.0 |
| 2012-2013 | 118.4 | 78.7 | 46.4 | 31.8 | 29.8 | 36.8 | 53.0 | 80.3 | 127.8 | 160.6 | 188.2 | 172.1 | 1124.1 |
| 2013-2014 | 114.3 | 70.9 | 48.6 | 29.1 | 33.0 | 36.1 | 57.5 | 80.7 | 114.1 | 158.7 | 180.8 | 165.0 | 1088.9 |
| 2014-2015 | 114.8 | 73.6 | 41.9 | 34.8 | 29.0 | 33.5 | 55.7 | 73.1 | 122.3 | 149.0 | 187.5 | 180.5 | 1095.7 |
| AVERAGE | 115.9 | 75.6 | 42.6 | 30.7 | 29.2 | 33.0 | 52.0 | 75.9 | 117.9 | 161.6 | 192.6 | 171.4 | |

**Table A. 122** Mehmetcik station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 127.4 | 82.4 | 33.4 | 23.6 | 20.2 | 28.4 | 37.1 | 59.3 | 92.4 | 185.6 | 217.0 | 173.8 | 1080.6 |
| 1979-1980 | 140.0 | 87.4 | 56.2 | 26.1 | 15.3 | 20.4 | 30.9 | 56.7 | 87.1 | 188.0 | 212.3 | 200.5 | 1121.0 |
| 1980-1981 | 121.2 | 70.3 | 45.7 | 24.8 | 18.0 | 20.9 | 40.2 | 64.5 | 78.4 | 185.4 | 233.3 | 203.2 | 1106.1 |
| 1981-1982 | 136.9 | 85.5 | 34.1 | 29.6 | 21.2 | 14.4 | 23.9 | 61.3 | 94.1 | 177.5 | 205.5 | 197.1 | 1081.2 |
| 1982-1983 | 156.2 | 87.0 | 38.1 | 21.2 | 13.2 | 18.2 | 30.0 | 59.6 | 101.9 | 165.7 | 228.2 | 198.0 | 1117.3 |
| 1983-1984 | 118.7 | 62.0 | 44.1 | 26.5 | 22.1 | 28.8 | 37.3 | 54.6 | 102.3 | 170.3 | 188.8 | 171.6 | 1027.0 |
| 1984-1985 | 119.8 | 85.0 | 36.5 | 20.3 | 22.6 | 15.8 | 31.5 | 59.5 | 97.8 | 164.5 | 195.1 | 190.0 | 1038.5 |
| 1985-1986 | 127.0 | 65.6 | 47.2 | 23.7 | 21.2 | 25.0 | 35.9 | 76.1 | 81.2 | 156.3 | 185.3 | 168.5 | 1012.9 |
| 1986-1987 | 147.4 | 72.6 | 32.3 | 17.5 | 21.1 | 32.1 | 24.0 | 56.0 | 89.2 | 169.8 | 237.8 | 213.2 | 1112.9 |
| 1987-1988 | 124.1 | 66.1 | 39.4 | 21.8 | 17.5 | 20.1 | 27.6 | 55.3 | 96.1 | 164.9 | 223.2 | 189.4 | 1045.5 |
| 1988-1989 | 129.8 | 71.3 | 32.3 | 23.4 | 13.9 | 21.3 | 36.6 | 81.2 | 104.5 | 152.7 | 201.2 | 169.5 | 1037.7 |
| 1989-1990 | 125.9 | 63.8 | 42.9 | 24.3 | 15.8 | 22.3 | 39.0 | 67.3 | 96.2 | 159.6 | 206.5 | 190.4 | 1054.1 |
| 1990-1991 | 112.0 | 72.3 | 46.8 | 26.6 | 18.4 | 21.3 | 39.2 | 66.3 | 92.8 | 157.1 | 173.9 | 155.0 | 981.6 |
| 1991-1992 | 145.6 | 91.6 | 48.0 | 19.5 | 13.8 | 11.0 | 29.6 | 63.3 | 97.6 | 187.8 | 225.3 | 227.3 | 1160.2 |
| 1992-1993 | 140.9 | 86.7 | 46.0 | 15.7 | 16.9 | 16.3 | 34.7 | 58.8 | 89.2 | 191.4 | 229.5 | 197.6 | 1123.6 |
| 1993-1994 | 104.1 | 78.3 | 32.0 | 25.5 | 21.4 | 19.2 | 30.0 | 63.9 | 97.7 | 166.1 | 182.7 | 175.4 | 996.3 |
| 1994-1995 | 133.7 | 87.2 | 38.6 | 17.5 | 20.7 | 27.4 | 39.0 | 48.5 | 86.2 | 156.1 | 176.6 | 160.8 | 992.2 |
| 1995-1996 | 141.7 | 74.2 | 31.7 | 22.8 | 17.2 | 26.0 | 31.4 | 51.1 | 106.1 | 188.1 | 225.3 | 205.0 | 1120.7 |
| 1996-1997 | 119.0 | 67.6 | 46.0 | 34.0 | 23.7 | 17.8 | 27.4 | 47.8 | 96.5 | 177.2 | 220.1 | 165.8 | 1043.1 |
| 1997-1998 | 112.9 | 66.4 | 42.8 | 23.2 | 16.5 | 22.5 | 26.9 | 68.1 | 88.8 | 169.8 | 213.9 | 198.8 | 1050.7 |
| 1998-1999 | 114.2 | 70.6 | 45.4 | 23.5 | 21.1 | 21.6 | 31.6 | 50.8 | 97.3 | 152.5 | 188.7 | 172.9 | 990.1 |
| 1999-2000 | 123.2 | 73.1 | 39.0 | 26.6 | 10.9 | 18.6 | 26.4 | 56.6 | 87.4 | 179.0 | 214.7 | 182.3 | 1038.0 |
| 2000-2001 | 116.7 | 61.8 | 39.6 | 22.7 | 20.0 | 22.3 | 43.5 | 62.6 | 87.1 | 156.9 | 186.6 | 173.8 | 993.6 |
| 2001-2002 | 126.4 | 75.4 | 38.4 | 21.8 | 13.7 | 25.4 | 37.2 | 53.9 | 87.1 | 167.9 | 211.2 | 175.8 | 1034.2 |
| 2002-2003 | 118.9 | 69.9 | 44.0 | 18.8 | 23.3 | 14.7 | 24.7 | 51.6 | 105.4 | 163.1 | 207.6 | 188.3 | 1030.2 |
| 2003-2004 | 118.9 | 70.5 | 41.8 | 24.3 | 16.1 | 19.0 | 37.7 | 62.4 | 89.5 | 162.6 | 203.5 | 172.6 | 1018.7 |
| 2004-2005 | 117.3 | 78.5 | 42.5 | 19.0 | 19.6 | 19.6 | 35.9 | 60.1 | 90.7 | 150.9 | 187.5 | 174.1 | 995.6 |
| 2005-2006 | 117.0 | 59.7 | 32.6 | 24.8 | 16.9 | 23.5 | 35.8 | 62.5 | 91.5 | 161.9 | 193.8 | 172.1 | 992.2 |
| 2006-2007 | 121.5 | 68.9 | 32.9 | 20.2 | 15.8 | 22.5 | 32.8 | 50.2 | 90.3 | 158.9 | 189.9 | 168.9 | 972.8 |
| 2007-2008 | 125.4 | 82.7 | 45.6 | 24.9 | 11.6 | 17.8 | 41.0 | 61.3 | 80.6 | 155.0 | 176.8 | 163.3 | 985.9 |
| 2008-2009 | 117.3 | 70.3 | 46.1 | 23.5 | 20.5 | 22.3 | 30.4 | 57.5 | 90.1 | 173.8 | 195.3 | 173.3 | 1020.4 |
| 2009-2010 | 110.1 | 77.7 | 38.7 | 27.6 | 21.7 | 25.4 | 39.7 | 63.7 | 84.7 | 144.7 | 174.3 | 184.7 | 993.0 |
| 2010-2011 | 124.0 | 72.9 | 52.0 | 30.7 | 19.5 | 22.3 | 33.0 | 51.9 | 80.7 | 147.9 | 180.1 | 169.0 | 984.0 |
| 2011-2012 | 134.6 | 71.7 | 32.5 | 22.8 | 16.6 | 17.6 | 28.5 | 63.3 | 92.4 | 176.9 | 225.1 | 201.6 | 1083.5 |
| 2012-2013 | 117.6 | 72.0 | 44.4 | 23.6 | 17.8 | 26.4 | 32.3 | 61.2 | 96.0 | 149.5 | 178.2 | 167.1 | 986.1 |
| 2013-2014 | 118.6 | 65.2 | 50.7 | 19.8 | 24.2 | 26.7 | 41.5 | 65.4 | 84.9 | 155.8 | 179.1 | 167.8 | 999.7 |
| 2014-2015 | 121.3 | 69.9 | 39.3 | 31.1 | 17.6 | 22.2 | 39.2 | 54.3 | 96.3 | 144.5 | 191.2 | 190.4 | 1017.1 |
| AVERAGE | 125.1 | 73.9 | 41.1 | 23.6 | 18.3 | 21.5 | 33.6 | 59.7 | 92.1 | 165.8 | 201.8 | 182.4 | |

**Table A. 123** Mehmetcik station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 182.4 | 176.8 | 139.1 | 134.9 | 130.6 | 122.6 | 139.6 | 145.3 | 167.2 | 184.4 | 200.7 | 195.4 | 1919.1 |
| 1979-1980 | 181.7 | 174.7 | 153 | 134.7 | 121.8 | 113.1 | 131.9 | 140.5 | 160.5 | 179.5 | 193.5 | 197.1 | 1882.1 |
| 1980-1981 | 178.5 | 168.1 | 148.3 | 135.5 | 127.1 | 115.2 | 140.9 | 147 | 159.4 | 182.9 | 203 | 202.3 | 1908.3 |
| 1981-1982 | 187.1 | 179.5 | 140.3 | 141.8 | 132.4 | 109.2 | 129.1 | 147 | 168.8 | 183.3 | 198.8 | 203.4 | 1920.6 |
| 1982-1983 | 190.7 | 177.4 | 141.8 | 130.9 | 119.9 | 112.2 | 132.7 | 143.9 | 169.5 | 176.9 | 200.8 | 199.9 | 1896.8 |
| 1983-1984 | 183.8 | 168 | 151.6 | 141 | 135.6 | 125.4 | 142.6 | 146 | 176.1 | 185.3 | 198.8 | 200.3 | 1954.6 |
| 1984-1985 | 185 | 183.9 | 145.5 | 134 | 136.7 | 112.7 | 138.4 | 149.3 | 174.8 | 184.5 | 201.6 | 207 | 1953.4 |
| 1985-1986 | 188.9 | 171.8 | 155.2 | 138.7 | 135.2 | 122.7 | 142.4 | 158.3 | 167.1 | 182.7 | 199.6 | 201 | 1963.5 |
| 1986-1987 | 189.2 | 170.1 | 137.6 | 127.1 | 131.3 | 125 | 128.3 | 143 | 165.1 | 179.5 | 204.8 | 205.9 | 1906.9 |
| 1987-1988 | 188.5 | 172.9 | 149.2 | 136.8 | 130.7 | 118.2 | 135.7 | 147.9 | 175.4 | 186.2 | 211.1 | 208.7 | 1961.2 |
| 1988-1989 | 189.9 | 175.5 | 141.9 | 138.1 | 124.6 | 118.9 | 142.8 | 160.6 | 178.3 | 181.5 | 203.8 | 201.1 | 1957.1 |
| 1989-1990 | 185.6 | 168.2 | 149.8 | 137.8 | 126.5 | 118.9 | 143.2 | 152 | 172.3 | 181.1 | 202.4 | 204.9 | 1942.8 |
| 1990-1991 | 186 | 179.7 | 157.6 | 144.2 | 133.4 | 120.8 | 147.3 | 156 | 176.2 | 186.6 | 200.1 | 200.4 | 1988.2 |
| 1991-1992 | 182.9 | 176.2 | 146.9 | 127.1 | 119.3 | 102.4 | 130.4 | 143.2 | 164.3 | 178.7 | 195.7 | 203.1 | 1870.2 |
| 1992-1993 | 184.9 | 176.9 | 147.9 | 123.9 | 125.2 | 110 | 136.3 | 143.4 | 163.7 | 183.3 | 200.8 | 199.5 | 1895.7 |
| 1993-1994 | 183.1 | 184.8 | 144.5 | 143.3 | 138 | 118.8 | 140 | 155.4 | 179.5 | 190.4 | 203.9 | 208.7 | 1990.4 |
| 1994-1995 | 194.6 | 188.8 | 149.8 | 132 | 136 | 126.3 | 146.5 | 145 | 172.1 | 185.5 | 200 | 201.6 | 1978.2 |
| 1995-1996 | 185.7 | 170 | 136.3 | 133 | 125.9 | 119.5 | 134 | 139.6 | 171.5 | 182.9 | 200.4 | 202.1 | 1900.9 |
| 1996-1997 | 183.4 | 171.4 | 152.8 | 148.5 | 137.4 | 114.5 | 134 | 141.6 | 173 | 186.7 | 206.8 | 197.9 | 1947.8 |
| 1997-1998 | 182.3 | 171.9 | 151.3 | 137.8 | 128.6 | 120 | 134.4 | 154 | 170.6 | 186.3 | 207 | 210 | 1954.2 |
| 1998-1999 | 187.6 | 178.9 | 156.8 | 140.7 | 137.4 | 121.2 | 141.2 | 147.4 | 179 | 185.7 | 205.3 | 207.3 | 1988.4 |
| 1999-2000 | 189.8 | 179.1 | 149.9 | 143.4 | 120.6 | 117.2 | 135.4 | 149.7 | 172.4 | 191.9 | 210.7 | 208.3 | 1968.5 |
| 2000-2001 | 188.9 | 172.7 | 151.8 | 139.9 | 135.9 | 122.1 | 151.1 | 154.5 | 173.9 | 187.4 | 204.9 | 207.8 | 1991.0 |
| 2001-2002 | 189.3 | 179.1 | 148.2 | 136.7 | 124.6 | 123.5 | 143.9 | 147 | 170.7 | 186.9 | 207.6 | 204.1 | 1961.8 |
| 2002-2003 | 187.4 | 176.6 | 154 | 133.4 | 139.1 | 112.4 | 133.5 | 146.5 | 180.9 | 186.8 | 208.2 | 209.8 | 1968.5 |
| 2003-2004 | 187.4 | 176.9 | 152.1 | 140.5 | 129 | 117.4 | 145 | 152.8 | 173 | 186.6 | 207 | 204.7 | 1972.5 |
| 2004-2005 | 188.6 | 184.1 | 154 | 134.6 | 135.1 | 118.9 | 144.7 | 152.7 | 175.3 | 184.9 | 204.5 | 207.3 | 1984.7 |
| 2005-2006 | 191.2 | 173 | 146.4 | 143.7 | 132.5 | 124.4 | 146.3 | 156.1 | 178.2 | 191.1 | 209.6 | 209.8 | 2002.3 |
| 2006-2007 | 196.8 | 183 | 148.9 | 139.4 | 132.4 | 124.9 | 145.6 | 150.8 | 180.5 | 193.5 | 212.3 | 212.5 | 2020.5 |
| 2007-2008 | 193.1 | 187.8 | 157.4 | 142.7 | 122.8 | 117.2 | 149.4 | 154 | 170.8 | 187.1 | 202.2 | 204.6 | 1989.0 |
| 2008-2009 | 185.6 | 175.8 | 155 | 138.8 | 134.9 | 120.5 | 138.3 | 149.2 | 172.5 | 188.8 | 203.5 | 203.6 | 1966.4 |
| 2009-2010 | 183.2 | 181.6 | 149.2 | 144.1 | 136.8 | 123.9 | 146.5 | 153.3 | 170.4 | 180.9 | 198.2 | 208.3 | 1976.3 |
| 2010-2011 | 190.4 | 179.3 | 161.1 | 148.1 | 134.5 | 121.3 | 141.6 | 147.1 | 169.1 | 182.9 | 201 | 204.3 | 1980.7 |
| 2011-2012 | 188.8 | 173.3 | 140.3 | 135.9 | 127.5 | 113.8 | 134.5 | 149.8 | 170.2 | 185.7 | 206.9 | 207.8 | 1934.5 |
| 2012-2013 | 188.7 | 179.6 | 155.7 | 140.6 | 132.4 | 125.9 | 141.6 | 153.4 | 177.9 | 184.4 | 201.7 | 204.9 | 1986.9 |
| 2013-2014 | 186.3 | 172.3 | 158.8 | 134.2 | 139.7 | 124.8 | 147.3 | 153.6 | 169.9 | 183.6 | 198.9 | 201.9 | 1971.3 |
| 2014-2015 | 186.6 | 174.9 | 148.6 | 147 | 130.4 | 120 | 145.1 | 146.9 | 174.8 | 179.3 | 201.4 | 208.3 | 1963.4 |
| AVERAGE | 187.1 | 176.6 | 149.4 | 138.0 | 130.9 | 118.8 | 140.0 | 149.3 | 172.0 | 184.7 | 203.2 | 204.5 | |

**Table A. 124** Mehmetcik station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 140.1 | 65.33 | 46.81 | 43.11 | 42.97 | 43.79 | 54.83 | 118.1 | 145.9 | 166.5 | 178.3 | 163.3 | 1209.0 |
| 1979-1980 | 139.5 | 64.55 | 51.51 | 43.05 | 40.05 | 40.42 | 51.83 | 114.2 | 139.9 | 162.2 | 171.9 | 164.7 | 1183.8 |
| 1980-1981 | 137.1 | 62.1 | 49.93 | 43.3 | 41.83 | 41.18 | 55.37 | 119.5 | 139 | 165.1 | 180.3 | 169.1 | 1203.7 |
| 1981-1982 | 143.6 | 66.33 | 47.21 | 45.33 | 43.54 | 39.01 | 50.69 | 119.4 | 147.2 | 165.4 | 176.6 | 170 | 1214.4 |
| 1982-1983 | 146.4 | 65.52 | 47.72 | 41.84 | 39.44 | 40.09 | 52.15 | 117 | 147.8 | 159.7 | 178.3 | 167.1 | 1203.1 |
| 1983-1984 | 141.2 | 62.03 | 51.02 | 45.05 | 44.59 | 44.79 | 56.04 | 118.7 | 153.6 | 167.4 | 176.6 | 167.4 | 1228.2 |
| 1984-1985 | 142.1 | 67.94 | 48.97 | 42.8 | 44.95 | 40.28 | 54.37 | 121.4 | 152.4 | 166.6 | 179 | 173 | 1233.8 |
| 1985-1986 | 145.1 | 63.45 | 52.23 | 44.29 | 44.48 | 43.83 | 55.95 | 128.7 | 145.7 | 165 | 177.2 | 168 | 1233.9 |
| 1986-1987 | 145.3 | 62.84 | 46.31 | 40.61 | 43.2 | 44.7 | 50.4 | 116.3 | 144 | 162 | 182 | 172.1 | 1209.7 |
| 1987-1988 | 144.8 | 63.86 | 50.2 | 43.69 | 42.98 | 42.24 | 53.32 | 120.3 | 152.9 | 168.1 | 187.4 | 174.4 | 1244.2 |
| 1988-1989 | 145.8 | 64.84 | 47.73 | 44.14 | 40.97 | 42.51 | 56.14 | 130.5 | 155.5 | 163.9 | 181 | 168.1 | 1241.1 |
| 1989-1990 | 142.6 | 62.14 | 50.41 | 44.04 | 41.6 | 42.48 | 56.28 | 123.6 | 150.2 | 163.5 | 179.7 | 171.2 | 1227.7 |
| 1990-1991 | 142.8 | 66.39 | 53.02 | 46.04 | 43.85 | 43.14 | 57.86 | 126.8 | 153.6 | 168.5 | 177.8 | 167.5 | 1247.4 |
| 1991-1992 | 140.4 | 65.08 | 49.4 | 40.61 | 39.24 | 36.59 | 51.24 | 116.4 | 143.3 | 161.4 | 173.8 | 169.7 | 1187.1 |
| 1992-1993 | 142 | 65.36 | 49.76 | 39.57 | 41.17 | 39.3 | 53.56 | 116.5 | 142.7 | 165.5 | 178.3 | 166.8 | 1200.6 |
| 1993-1994 | 140.6 | 68.25 | 48.62 | 45.8 | 45.38 | 42.47 | 55 | 126.3 | 156.5 | 171.9 | 181.1 | 174.3 | 1256.3 |
| 1994-1995 | 149.5 | 69.73 | 50.41 | 42.16 | 44.74 | 45.15 | 57.58 | 117.9 | 150 | 167.5 | 177.6 | 168.4 | 1240.7 |
| 1995-1996 | 142.6 | 62.79 | 45.85 | 42.48 | 41.39 | 42.72 | 52.65 | 113.5 | 149.5 | 165.2 | 178 | 168.9 | 1205.5 |
| 1996-1997 | 140.8 | 63.31 | 51.42 | 47.44 | 45.18 | 40.91 | 52.65 | 115.1 | 150.8 | 168.6 | 183.6 | 165.3 | 1225.3 |
| 1997-1998 | 140 | 63.52 | 50.89 | 44.02 | 42.29 | 42.89 | 52.81 | 125.2 | 148.8 | 168.2 | 183.8 | 175.5 | 1237.9 |
| 1998-1999 | 144 | 66.12 | 52.75 | 44.95 | 45.18 | 43.33 | 55.49 | 119.8 | 156 | 167.7 | 182.3 | 173.2 | 1250.9 |
| 1999-2000 | 145.7 | 66.18 | 50.44 | 45.83 | 39.65 | 41.89 | 53.22 | 121.7 | 150.3 | 173.3 | 187.1 | 174.1 | 1249.4 |
| 2000-2001 | 145.1 | 63.81 | 51.09 | 44.7 | 44.71 | 43.64 | 59.37 | 125.6 | 151.7 | 169.2 | 182 | 173.7 | 1254.6 |
| 2001-2002 | 145.4 | 66.15 | 49.87 | 43.65 | 40.98 | 44.12 | 56.53 | 119.5 | 148.9 | 168.8 | 184.4 | 170.6 | 1238.9 |
| 2002-2003 | 143.9 | 65.23 | 51.82 | 42.62 | 45.76 | 40.15 | 52.44 | 119.1 | 157.7 | 168.7 | 184.9 | 175.3 | 1247.6 |
| 2003-2004 | 143.9 | 65.36 | 51.18 | 44.87 | 42.44 | 41.97 | 56.98 | 124.2 | 150.9 | 168.5 | 183.9 | 171 | 1245.2 |
| 2004-2005 | 144.8 | 68.02 | 51.83 | 43.02 | 44.43 | 42.49 | 56.84 | 124.2 | 152.9 | 166.9 | 181.6 | 173.2 | 1250.3 |
| 2005-2006 | 146.9 | 63.9 | 49.27 | 45.92 | 43.57 | 44.46 | 57.5 | 126.9 | 155.3 | 172.6 | 186.1 | 175.3 | 1267.8 |
| 2006-2007 | 151.2 | 67.59 | 50.08 | 44.56 | 43.54 | 44.62 | 57.2 | 122.5 | 157.4 | 174.8 | 188.5 | 177.6 | 1279.5 |
| 2007-2008 | 148.3 | 69.36 | 52.96 | 45.61 | 40.36 | 41.89 | 58.68 | 125.2 | 148.9 | 168.9 | 179.6 | 171 | 1250.8 |
| 2008-2009 | 142.5 | 64.95 | 52.15 | 44.36 | 44.36 | 43.06 | 54.33 | 121.3 | 150.4 | 170.5 | 180.7 | 170.1 | 1238.8 |
| 2009-2010 | 140.7 | 67.09 | 50.2 | 46.06 | 45 | 44.29 | 57.55 | 124.6 | 148.6 | 163.3 | 176 | 174.1 | 1237.4 |
| 2010-2011 | 146.3 | 66.23 | 54.23 | 47.33 | 44.22 | 43.37 | 55.62 | 119.6 | 147.5 | 165.1 | 178.5 | 170.7 | 1238.7 |
| 2011-2012 | 145 | 64.02 | 47.22 | 43.41 | 41.93 | 40.69 | 52.84 | 121.7 | 148.4 | 167.7 | 183.7 | 173.7 | 1230.4 |
| 2012-2013 | 144.9 | 66.36 | 52.38 | 44.94 | 43.56 | 45.01 | 55.64 | 124.7 | 155.2 | 166.5 | 179.1 | 171.2 | 1249.5 |
| 2013-2014 | 143.1 | 63.66 | 53.43 | 42.88 | 45.93 | 44.6 | 57.89 | 124.9 | 148.2 | 165.8 | 176.6 | 168.7 | 1235.7 |
| 2014-2015 | 143.3 | 64.61 | 50.01 | 46.96 | 42.9 | 42.9 | 57 | 119.4 | 152.4 | 161.9 | 178.9 | 174 | 1234.3 |
| AVERAGE | 143.7 | 65.2 | 50.3 | 44.1 | 43.0 | 42.5 | 55.0 | 121.4 | 150.0 | 166.8 | 180.4 | 170.9 | |

**Table A. 125** Mehmetcik station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 116.6 | 93.21 | 53.9 | 42.22 | 43.54 | 50.58 | 79.54 | 97.82 | 127.4 | 147.1 | 155.5 | 141.3 | 1148.6 |
| 1979-1980 | 116.2 | 92.03 | 61.7 | 42.11 | 38.59 | 45.25 | 75.25 | 95.16 | 123.6 | 144.4 | 151.4 | 142.2 | 1127.9 |
| 1980-1981 | 114.4 | 88.3 | 59.08 | 42.53 | 41.59 | 46.46 | 80.28 | 98.78 | 123 | 146.3 | 156.8 | 145.2 | 1142.6 |
| 1981-1982 | 119.2 | 94.73 | 54.58 | 46.09 | 44.53 | 43.07 | 73.64 | 98.76 | 128.2 | 146.5 | 154.4 | 145.8 | 1149.5 |
| 1982-1983 | 121.2 | 93.53 | 55.42 | 39.97 | 37.54 | 44.76 | 75.71 | 97.07 | 128.7 | 142.9 | 155.5 | 143.8 | 1136.2 |
| 1983-1984 | 117.3 | 88.24 | 60.93 | 45.62 | 46.34 | 52.15 | 81.24 | 98.23 | 132.3 | 147.7 | 154.4 | 144 | 1168.5 |
| 1984-1985 | 118 | 97.17 | 57.51 | 41.67 | 46.95 | 45.06 | 78.86 | 100.1 | 131.6 | 147.2 | 156 | 147.8 | 1167.9 |
| 1985-1986 | 120.2 | 90.37 | 62.94 | 44.3 | 46.09 | 50.64 | 81.1 | 105.1 | 127.3 | 146.2 | 154.8 | 144.4 | 1173.5 |
| 1986-1987 | 120.4 | 89.42 | 53.06 | 37.81 | 43.91 | 51.95 | 73.2 | 96.57 | 126.2 | 144.4 | 157.8 | 147.2 | 1141.8 |
| 1987-1988 | 120 | 90.99 | 59.54 | 43.24 | 43.58 | 48.14 | 77.38 | 99.3 | 131.9 | 148.1 | 161.3 | 148.7 | 1172.2 |
| 1988-1989 | 120.7 | 92.48 | 55.45 | 44.01 | 40.14 | 48.54 | 81.38 | 106.4 | 133.6 | 145.5 | 157.2 | 144.5 | 1170.0 |
| 1989-1990 | 118.3 | 88.38 | 59.89 | 43.84 | 41.25 | 48.53 | 81.56 | 101.6 | 130.2 | 145.3 | 156.4 | 146.6 | 1161.9 |
| 1990-1991 | 118.6 | 94.81 | 64.25 | 47.38 | 45.06 | 49.57 | 83.87 | 103.8 | 132.4 | 148.4 | 155.2 | 144.1 | 1187.4 |
| 1991-1992 | 116.8 | 92.85 | 58.26 | 37.83 | 37.2 | 39.29 | 74.42 | 96.66 | 125.7 | 143.9 | 152.7 | 145.6 | 1121.3 |
| 1992-1993 | 118 | 93.23 | 58.82 | 36 | 40.51 | 43.54 | 77.72 | 96.76 | 125.4 | 146.5 | 155.5 | 143.6 | 1135.5 |
| 1993-1994 | 117 | 97.65 | 56.9 | 46.91 | 47.66 | 48.49 | 79.8 | 103.5 | 134.2 | 150.5 | 157.3 | 148.7 | 1188.6 |
| 1994-1995 | 123.4 | 99.9 | 59.89 | 40.55 | 46.57 | 52.69 | 83.43 | 97.69 | 130.1 | 147.7 | 155.1 | 144.7 | 1181.8 |
| 1995-1996 | 118.4 | 89.36 | 52.32 | 41.1 | 40.86 | 48.86 | 76.41 | 94.62 | 129.7 | 146.3 | 155.3 | 145 | 1138.4 |
| 1996-1997 | 117.1 | 90.15 | 61.58 | 49.81 | 47.32 | 46.04 | 76.39 | 95.78 | 130.6 | 148.4 | 158.9 | 142.7 | 1164.7 |
| 1997-1998 | 116.5 | 90.46 | 60.72 | 43.81 | 42.42 | 49.17 | 76.66 | 102.7 | 129.3 | 148.2 | 159 | 149.5 | 1168.3 |
| 1998-1999 | 119.4 | 94.38 | 63.81 | 45.46 | 47.31 | 49.81 | 80.44 | 99.02 | 133.9 | 147.9 | 158 | 148 | 1187.5 |
| 1999-2000 | 120.7 | 94.49 | 59.94 | 46.98 | 37.92 | 47.59 | 77.22 | 100.3 | 130.2 | 151.3 | 161.1 | 148.5 | 1176.3 |
| 2000-2001 | 120.2 | 90.9 | 61.03 | 45.01 | 46.5 | 50.3 | 86.01 | 103 | 131.1 | 148.8 | 157.8 | 148.2 | 1188.9 |
| 2001-2002 | 120.5 | 94.47 | 58.99 | 43.2 | 40.18 | 51.08 | 81.98 | 98.79 | 129.3 | 148.6 | 159.3 | 146.2 | 1172.6 |
| 2002-2003 | 119.4 | 93.08 | 62.26 | 41.33 | 48.3 | 44.87 | 76.12 | 98.49 | 135 | 148.5 | 159.7 | 149.3 | 1176.3 |
| 2003-2004 | 119.4 | 93.24 | 61.2 | 45.31 | 42.63 | 47.7 | 82.58 | 102 | 130.6 | 148.4 | 159 | 146.5 | 1178.6 |
| 2004-2005 | 120 | 97.31 | 62.26 | 42.04 | 46.07 | 48.53 | 82.39 | 102 | 131.9 | 147.4 | 157.6 | 147.9 | 1185.4 |
| 2005-2006 | 121.5 | 91.05 | 58.01 | 47.14 | 44.58 | 51.59 | 83.31 | 103.9 | 133.5 | 150.9 | 160.5 | 149.3 | 1195.3 |
| 2006-2007 | 124.6 | 96.65 | 59.37 | 44.74 | 44.56 | 51.87 | 82.89 | 100.9 | 134.8 | 152.3 | 162 | 150.9 | 1205.5 |
| 2007-2008 | 122.6 | 99.35 | 64.15 | 46.55 | 39.12 | 47.58 | 85.03 | 102.7 | 129.3 | 148.6 | 156.3 | 146.4 | 1187.8 |
| 2008-2009 | 118.3 | 92.64 | 62.79 | 44.41 | 45.92 | 49.41 | 78.82 | 100 | 130.3 | 149.6 | 157 | 145.9 | 1175.2 |
| 2009-2010 | 117 | 95.88 | 59.55 | 47.38 | 47 | 51.33 | 83.4 | 102.3 | 129.1 | 145.2 | 154.1 | 148.5 | 1180.7 |
| 2010-2011 | 121.1 | 94.57 | 66.25 | 49.61 | 45.69 | 49.89 | 80.65 | 98.87 | 128.4 | 146.3 | 155.7 | 146.2 | 1183.2 |
| 2011-2012 | 120.2 | 91.22 | 54.59 | 42.75 | 41.79 | 45.69 | 76.69 | 100.3 | 129 | 147.9 | 158.9 | 148.2 | 1157.3 |
| 2012-2013 | 120.1 | 94.77 | 63.18 | 45.41 | 44.55 | 52.47 | 80.68 | 102.4 | 133.4 | 147.1 | 156 | 146.6 | 1186.6 |
| 2013-2014 | 118.7 | 90.68 | 64.93 | 41.82 | 48.6 | 51.82 | 83.88 | 102.5 | 128.9 | 146.7 | 154.4 | 144.9 | 1177.9 |
| 2014-2015 | 118.9 | 92.14 | 59.25 | 48.96 | 43.44 | 49.17 | 82.62 | 98.72 | 131.6 | 144.3 | 155.9 | 148.5 | 1173.5 |
| AVERAGE | 119.2 | 93.1 | 59.7 | 43.9 | 43.7 | 48.5 | 79.8 | 100.1 | 130.0 | 147.3 | 156.9 | 146.4 | |

**Table A. 126** Salamis station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 105.9 | 74.3 | 36.0 | 29.1 | 28.8 | 34.5 | 51.0 | 70.4 | 108.1 | 157.4 | 181.7 | 147.4 | 1024.7 |
| 1979-1980 | 104.8 | 72.2 | 44.1 | 29.0 | 25.4 | 29.8 | 45.8 | 65.8 | 98.4 | 146.8 | 164.2 | 151.0 | 977.2 |
| 1980-1981 | 100.0 | 65.8 | 41.2 | 29.3 | 27.4 | 30.8 | 51.9 | 72.2 | 96.9 | 154.0 | 187.6 | 162.5 | 1019.6 |
| 1981-1982 | 113.2 | 77.2 | 36.7 | 32.0 | 29.5 | 28.1 | 44.0 | 72.2 | 110.5 | 154.8 | 177.0 | 165.0 | 1040.1 |
| 1982-1983 | 119.4 | 74.9 | 37.5 | 27.5 | 24.8 | 29.4 | 46.3 | 69.1 | 111.6 | 141.2 | 182.0 | 157.0 | 1020.6 |
| 1983-1984 | 108.0 | 65.6 | 43.2 | 31.6 | 30.9 | 36.1 | 53.2 | 71.2 | 122.4 | 159.5 | 177.0 | 157.9 | 1056.6 |
| 1984-1985 | 110.1 | 82.1 | 39.5 | 28.7 | 31.3 | 29.6 | 50.1 | 74.7 | 120.2 | 157.6 | 183.8 | 173.6 | 1081.4 |
| 1985-1986 | 116.3 | 69.2 | 45.5 | 30.6 | 30.7 | 34.6 | 53.0 | 85.1 | 108.0 | 153.7 | 178.8 | 159.4 | 1064.8 |
| 1986-1987 | 116.8 | 67.6 | 35.3 | 26.0 | 29.1 | 35.9 | 43.5 | 68.2 | 105.0 | 146.6 | 192.6 | 170.7 | 1037.4 |
| 1987-1988 | 115.7 | 70.3 | 41.7 | 29.8 | 28.8 | 32.3 | 48.3 | 73.2 | 121.2 | 161.5 | 209.9 | 177.7 | 1110.2 |
| 1988-1989 | 118.0 | 72.9 | 37.5 | 30.4 | 26.4 | 32.6 | 53.4 | 87.9 | 126.3 | 150.9 | 189.7 | 159.7 | 1085.9 |
| 1989-1990 | 110.9 | 65.9 | 42.1 | 30.3 | 27.2 | 32.6 | 53.6 | 77.7 | 116.1 | 150.1 | 186.0 | 168.2 | 1060.6 |
| 1990-1991 | 111.5 | 77.4 | 47.1 | 33.0 | 29.9 | 33.6 | 56.7 | 82.4 | 122.6 | 162.7 | 180.3 | 158.1 | 1095.2 |
| 1991-1992 | 106.6 | 73.6 | 40.3 | 26.0 | 24.6 | 25.3 | 44.9 | 68.4 | 103.9 | 144.9 | 169.3 | 164.2 | 991.8 |
| 1992-1993 | 109.8 | 74.4 | 40.9 | 24.9 | 26.7 | 28.4 | 48.7 | 68.5 | 102.8 | 154.8 | 181.9 | 156.3 | 1018.1 |
| 1993-1994 | 107.0 | 83.0 | 38.9 | 32.7 | 31.9 | 32.6 | 51.3 | 81.6 | 128.4 | 171.6 | 190.0 | 177.3 | 1126.3 |
| 1994-1995 | 126.4 | 87.8 | 42.1 | 27.9 | 31.0 | 36.6 | 56.2 | 70.3 | 115.7 | 159.9 | 179.9 | 160.6 | 1094.2 |
| 1995-1996 | 111.1 | 67.5 | 34.6 | 28.3 | 26.9 | 33.0 | 47.1 | 64.9 | 114.8 | 154.1 | 180.9 | 162.0 | 1025.1 |
| 1996-1997 | 107.4 | 68.8 | 43.9 | 35.1 | 31.6 | 30.5 | 47.1 | 66.8 | 117.2 | 162.9 | 197.8 | 152.5 | 1061.7 |
| 1997-1998 | 105.7 | 69.4 | 43.0 | 30.2 | 28.0 | 33.2 | 47.4 | 79.9 | 113.4 | 161.8 | 198.3 | 181.0 | 1091.2 |
| 1998-1999 | 114.0 | 76.5 | 46.5 | 31.5 | 31.6 | 33.8 | 52.2 | 72.7 | 127.4 | 160.5 | 193.6 | 174.2 | 1114.5 |
| 1999-2000 | 117.8 | 76.7 | 42.1 | 32.7 | 25.0 | 31.8 | 48.1 | 75.2 | 116.2 | 175.5 | 208.9 | 176.7 | 1126.7 |
| 2000-2001 | 116.3 | 70.1 | 43.3 | 31.1 | 31.0 | 34.3 | 59.9 | 80.6 | 118.8 | 164.3 | 192.7 | 175.5 | 1117.9 |
| 2001-2002 | 117.1 | 76.7 | 41.1 | 29.8 | 26.5 | 35.0 | 54.2 | 72.3 | 113.6 | 163.3 | 200.1 | 166.7 | 1096.2 |
| 2002-2003 | 113.9 | 74.0 | 44.7 | 28.4 | 32.4 | 29.5 | 46.8 | 71.7 | 130.8 | 163.1 | 201.7 | 180.2 | 1117.2 |
| 2003-2004 | 113.8 | 74.4 | 43.5 | 31.4 | 28.1 | 31.9 | 55.0 | 78.5 | 117.4 | 162.6 | 198.4 | 167.8 | 1102.8 |
| 2004-2005 | 115.8 | 82.3 | 44.7 | 28.9 | 30.6 | 32.6 | 54.7 | 78.5 | 121.1 | 158.5 | 191.6 | 174.1 | 1113.5 |
| 2005-2006 | 120.4 | 70.4 | 40.0 | 32.9 | 29.5 | 35.5 | 56.0 | 82.4 | 126.0 | 173.5 | 205.8 | 180.3 | 1152.8 |
| 2006-2007 | 130.4 | 81.0 | 41.5 | 31.0 | 29.5 | 35.8 | 55.5 | 76.3 | 130.2 | 179.8 | 213.6 | 187.4 | 1191.8 |
| 2007-2008 | 123.7 | 86.6 | 46.9 | 32.4 | 29.5 | 33.9 | 61.0 | 80.3 | 114.9 | 169.3 | 191.8 | 171.9 | 1142.3 |
| 2008-2009 | 116.4 | 76.6 | 48.6 | 32.0 | 29.6 | 31.2 | 46.2 | 70.8 | 111.0 | 164.4 | 192.3 | 165.1 | 1084.2 |
| 2009-2010 | 105.2 | 73.8 | 39.3 | 31.5 | 33.7 | 36.7 | 56.3 | 77.7 | 116.6 | 152.2 | 179.4 | 177.7 | 1080.0 |
| 2010-2011 | 116.7 | 72.8 | 43.1 | 32.8 | 29.3 | 31.6 | 47.7 | 68.6 | 109.1 | 155.0 | 188.9 | 167.2 | 1062.7 |
| 2011-2012 | 112.4 | 65.8 | 34.7 | 27.4 | 25.7 | 29.6 | 44.3 | 71.2 | 111.0 | 161.7 | 202.2 | 176.2 | 1062.2 |
| 2012-2013 | 113.7 | 74.1 | 44.4 | 29.7 | 28.0 | 33.5 | 52.1 | 74.7 | 121.9 | 158.6 | 185.2 | 167.7 | 1083.4 |
| 2013-2014 | 107.6 | 62.7 | 44.6 | 28.1 | 30.9 | 33.1 | 53.8 | 75.9 | 112.2 | 156.8 | 184.6 | 166.1 | 1056.3 |
| 2014-2015 | 112.8 | 68.1 | 38.9 | 32.3 | 26.6 | 31.3 | 51.1 | 67.4 | 113.3 | 147.7 | 183.5 | 173.1 | 1045.9 |
| AVERAGE | 113.3 | 73.6 | 41.6 | 30.2 | 28.9 | 32.4 | 51.0 | 74.2 | 115.5 | 158.7 | 189.3 | 167.8 | |

**Table A. 127** Salamis station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 124.4 | 81.0 | 33.3 | 23.6 | 20.3 | 28.4 | 37.1 | 58.7 | 90.9 | 180.1 | 209.8 | 168.7 | 1056.2 |
| 1979-1980 | 136.3 | 85.9 | 55.5 | 26.1 | 15.4 | 20.6 | 31.0 | 56.2 | 85.8 | 182.2 | 205.3 | 194.2 | 1094.5 |
| 1980-1981 | 118.4 | 69.3 | 45.2 | 24.8 | 18.2 | 21.1 | 40.0 | 63.8 | 77.4 | 179.9 | 225.3 | 196.7 | 1080.1 |
| 1981-1982 | 133.4 | 84.0 | 34.0 | 29.5 | 21.3 | 14.6 | 24.0 | 60.6 | 92.5 | 172.4 | 198.9 | 190.9 | 1056.2 |
| 1982-1983 | 151.9 | 85.4 | 37.9 | 21.2 | 13.3 | 18.4 | 30.1 | 59.0 | 100.1 | 161.0 | 220.6 | 191.7 | 1090.6 |
| 1983-1984 | 115.9 | 61.3 | 43.8 | 26.5 | 22.1 | 28.8 | 37.2 | 54.2 | 100.4 | 165.3 | 183.1 | 166.7 | 1005.3 |
| 1984-1985 | 117.0 | 83.5 | 36.3 | 20.3 | 22.7 | 16.0 | 31.5 | 58.9 | 96.2 | 159.9 | 189.0 | 184.2 | 1015.6 |
| 1985-1986 | 123.9 | 64.7 | 46.8 | 23.8 | 21.3 | 25.0 | 35.8 | 75.0 | 80.1 | 152.0 | 179.8 | 163.7 | 991.8 |
| 1986-1987 | 143.5 | 71.5 | 32.2 | 17.6 | 21.1 | 32.0 | 24.2 | 55.5 | 87.9 | 165.1 | 229.5 | 206.1 | 1086.1 |
| 1987-1988 | 121.1 | 65.2 | 39.1 | 21.9 | 17.7 | 20.3 | 27.7 | 54.8 | 94.6 | 160.3 | 215.7 | 183.6 | 1021.9 |
| 1988-1989 | 126.7 | 70.2 | 32.2 | 23.5 | 14.0 | 21.4 | 36.5 | 79.9 | 102.7 | 148.8 | 194.8 | 164.7 | 1015.3 |
| 1989-1990 | 122.7 | 63.0 | 42.6 | 24.3 | 16.0 | 22.4 | 38.9 | 66.5 | 94.6 | 155.3 | 199.8 | 184.5 | 1030.7 |
| 1990-1991 | 109.6 | 71.2 | 46.3 | 26.5 | 18.5 | 21.4 | 39.0 | 65.5 | 91.3 | 153.0 | 169.0 | 150.8 | 962.1 |
| 1991-1992 | 141.7 | 89.8 | 47.5 | 19.6 | 14.0 | 11.2 | 29.7 | 62.5 | 96.0 | 181.9 | 217.7 | 219.6 | 1131.1 |
| 1992-1993 | 137.2 | 85.1 | 45.6 | 15.8 | 17.1 | 16.4 | 34.7 | 58.2 | 87.8 | 185.5 | 221.6 | 191.5 | 1096.6 |
| 1993-1994 | 101.9 | 77.1 | 31.9 | 25.4 | 21.5 | 19.4 | 30.1 | 63.2 | 96.1 | 161.5 | 177.2 | 170.3 | 975.6 |
| 1994-1995 | 130.3 | 85.6 | 38.4 | 17.6 | 20.7 | 27.4 | 38.9 | 48.3 | 84.9 | 152.0 | 171.4 | 156.4 | 971.9 |
| 1995-1996 | 138.0 | 73.0 | 31.6 | 22.8 | 17.4 | 26.1 | 31.4 | 50.7 | 104.2 | 182.5 | 217.8 | 198.4 | 1093.8 |
| 1996-1997 | 116.2 | 66.6 | 45.6 | 33.9 | 23.8 | 18.0 | 27.5 | 47.5 | 95.0 | 172.1 | 212.9 | 161.2 | 1020.2 |
| 1997-1998 | 110.3 | 65.5 | 42.5 | 23.2 | 16.7 | 22.6 | 27.0 | 67.2 | 87.5 | 165.1 | 206.8 | 192.6 | 1027.1 |
| 1998-1999 | 111.7 | 69.5 | 44.9 | 23.5 | 21.2 | 21.7 | 31.6 | 50.4 | 95.7 | 148.5 | 183.0 | 168.0 | 969.8 |
| 1999-2000 | 120.3 | 72.0 | 38.7 | 26.6 | 11.1 | 18.8 | 26.5 | 56.1 | 86.1 | 173.8 | 207.7 | 176.8 | 1014.6 |
| 2000-2001 | 114.0 | 61.0 | 39.3 | 22.8 | 20.1 | 22.4 | 43.3 | 61.9 | 85.9 | 152.7 | 181.0 | 168.7 | 973.2 |
| 2001-2002 | 123.3 | 74.2 | 38.2 | 21.9 | 13.8 | 25.5 | 37.2 | 53.4 | 85.8 | 163.2 | 204.2 | 170.5 | 1011.3 |
| 2002-2003 | 116.1 | 68.9 | 43.6 | 18.9 | 23.4 | 14.9 | 24.8 | 51.2 | 103.6 | 158.7 | 200.9 | 182.5 | 1007.6 |
| 2003-2004 | 116.1 | 69.4 | 41.5 | 24.3 | 16.2 | 19.1 | 37.6 | 61.8 | 88.1 | 158.1 | 196.9 | 167.7 | 996.7 |
| 2004-2005 | 114.6 | 77.2 | 42.2 | 19.1 | 19.7 | 19.7 | 35.8 | 59.5 | 89.3 | 147.0 | 181.9 | 169.0 | 975.1 |
| 2005-2006 | 114.4 | 59.0 | 32.5 | 24.8 | 17.0 | 23.6 | 35.8 | 61.9 | 90.0 | 157.5 | 187.9 | 167.1 | 971.5 |
| 2006-2007 | 118.6 | 67.9 | 32.8 | 20.3 | 16.0 | 22.6 | 32.8 | 49.8 | 88.9 | 154.6 | 184.1 | 164.0 | 952.5 |
| 2007-2008 | 115.1 | 76.7 | 42.6 | 23.4 | 16.5 | 20.3 | 42.0 | 57.3 | 76.3 | 148.1 | 167.7 | 153.7 | 939.6 |
| 2008-2009 | 122.8 | 74.3 | 51.9 | 26.2 | 19.1 | 18.4 | 24.7 | 51.3 | 83.0 | 165.4 | 195.3 | 169.3 | 1001.7 |
| 2009-2010 | 105.8 | 69.3 | 34.5 | 24.8 | 25.9 | 28.5 | 40.1 | 61.2 | 88.1 | 145.6 | 175.6 | 181.5 | 980.8 |
| 2010-2011 | 129.6 | 72.4 | 44.0 | 29.2 | 19.6 | 20.1 | 28.4 | 50.5 | 84.7 | 160.6 | 201.2 | 180.9 | 1021.1 |
| 2011-2012 | 135.8 | 68.2 | 30.8 | 20.3 | 14.6 | 18.0 | 25.3 | 60.6 | 95.8 | 188.8 | 242.2 | 212.7 | 1113.2 |
| 2012-2013 | 119.9 | 71.3 | 44.5 | 21.8 | 16.4 | 22.8 | 34.2 | 57.8 | 96.5 | 158.3 | 187.3 | 173.5 | 1004.4 |
| 2013-2014 | 118.2 | 58.3 | 47.5 | 20.0 | 22.7 | 23.4 | 39.3 | 63.5 | 89.9 | 165.6 | 198.3 | 182.1 | 1028.9 |
| 2014-2015 | 131.1 | 69.2 | 38.0 | 29.8 | 15.7 | 20.7 | 36.1 | 51.4 | 95.2 | 159.0 | 205.8 | 199.8 | 1051.7 |
| AVERAGE | 122.9 | 72.4 | 40.4 | 23.4 | 18.4 | 21.4 | 33.2 | 58.5 | 91.1 | 163.3 | 198.6 | 179.0 | |

**Table A. 128** Salamis station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 181 | 175.6 | 138.2 | 134.2 | 129.9 | 121.8 | 138.8 | 144.4 | 166.1 | 183 | 199.2 | 193.9 | 1906.0 |
| 1979-1980 | 180.3 | 173.5 | 152.1 | 134 | 121.1 | 112.6 | 131.2 | 139.7 | 159.4 | 178.2 | 192 | 195.6 | 1869.7 |
| 1980-1981 | 177.2 | 166.9 | 147.5 | 134.8 | 126.6 | 114.7 | 140.1 | 146 | 158.3 | 181.4 | 201.4 | 200.8 | 1895.7 |
| 1981-1982 | 185.5 | 178.3 | 139.4 | 141 | 131.7 | 108.7 | 128.4 | 146 | 167.5 | 181.8 | 197.3 | 201.8 | 1907.4 |
| 1982-1983 | 189.2 | 176.1 | 140.9 | 130.3 | 119.4 | 111.6 | 132 | 143.1 | 168.2 | 175.6 | 199.3 | 198.4 | 1884.1 |
| 1983-1984 | 182.4 | 166.8 | 150.6 | 140.2 | 134.8 | 124.5 | 141.7 | 145.1 | 174.8 | 183.9 | 197.3 | 198.7 | 1940.9 |
| 1984-1985 | 183.6 | 182.5 | 144.6 | 133.2 | 135.9 | 112.2 | 137.6 | 148.4 | 173.5 | 183 | 200 | 205.5 | 1939.9 |
| 1985-1986 | 187.4 | 170.5 | 154.2 | 137.9 | 134.5 | 122 | 141.6 | 157.2 | 166 | 181.4 | 198 | 199.4 | 1950.0 |
| 1986-1987 | 187.7 | 168.9 | 136.8 | 126.4 | 130.6 | 124.4 | 127.7 | 142.1 | 164 | 178.1 | 203.2 | 204.2 | 1894.2 |
| 1987-1988 | 187.1 | 171.7 | 148.2 | 136 | 130 | 117.6 | 134.9 | 147 | 174.1 | 184.7 | 209.3 | 207 | 1947.6 |
| 1988-1989 | 188.4 | 174.3 | 141 | 137.4 | 123.9 | 118.3 | 142 | 159.5 | 177.1 | 180.1 | 202.2 | 199.5 | 1943.7 |
| 1989-1990 | 184.2 | 167 | 148.8 | 137.1 | 125.9 | 118.2 | 142.3 | 151 | 171.1 | 179.7 | 200.8 | 203.2 | 1929.4 |
| 1990-1991 | 184.6 | 178.4 | 156.5 | 143.2 | 132.6 | 120.1 | 146.4 | 154.9 | 174.9 | 185.2 | 198.6 | 198.8 | 1974.2 |
| 1991-1992 | 181.5 | 174.9 | 145.9 | 126.4 | 118.8 | 102 | 129.7 | 142.3 | 163.2 | 177.3 | 194.1 | 201.5 | 1857.7 |
| 1992-1993 | 183.5 | 175.6 | 146.9 | 123.2 | 124.6 | 109.5 | 135.6 | 142.5 | 162.5 | 181.8 | 199.3 | 198 | 1883.0 |
| 1993-1994 | 181.7 | 183.4 | 143.6 | 142.4 | 137.2 | 118.2 | 139.2 | 154.4 | 178.1 | 188.8 | 202.3 | 206.9 | 1976.3 |
| 1994-1995 | 193.1 | 187.3 | 148.8 | 131.2 | 135.2 | 125.6 | 145.6 | 144.2 | 170.8 | 184.1 | 198.4 | 199.9 | 1964.3 |
| 1995-1996 | 184.3 | 168.8 | 135.4 | 132.2 | 125.2 | 118.9 | 133.3 | 138.7 | 170.2 | 181.5 | 198.8 | 200.5 | 1887.8 |
| 1996-1997 | 182 | 170.1 | 151.8 | 147.6 | 136.6 | 113.9 | 133.2 | 140.8 | 171.7 | 185.3 | 205.1 | 196.2 | 1934.4 |
| 1997-1998 | 180.9 | 170.7 | 150.3 | 137 | 128 | 119.4 | 133.6 | 153 | 169.4 | 184.8 | 205.3 | 208.3 | 1940.8 |
| 1998-1999 | 186.1 | 177.6 | 155.7 | 139.9 | 136.5 | 120.6 | 140.4 | 146.5 | 177.7 | 184.3 | 203.6 | 205.6 | 1974.4 |
| 1999-2000 | 188.3 | 177.9 | 148.9 | 142.6 | 120 | 116.6 | 134.6 | 148.8 | 171.2 | 190.4 | 209 | 206.6 | 1954.9 |
| 2000-2001 | 187.4 | 171.5 | 150.8 | 139.1 | 135.2 | 121.5 | 150.1 | 153.5 | 172.7 | 185.9 | 203.2 | 206.1 | 1977.1 |
| 2001-2002 | 187.9 | 177.8 | 147.3 | 135.9 | 124 | 122.7 | 143.1 | 146.1 | 169.5 | 185.5 | 206 | 202.6 | 1948.2 |
| 2002-2003 | 186 | 175.3 | 153 | 132.6 | 138.3 | 111.8 | 132.7 | 145.6 | 179.5 | 185.4 | 206.5 | 208.1 | 1954.8 |
| 2003-2004 | 185.9 | 175.6 | 151.1 | 139.6 | 128.4 | 116.8 | 144.2 | 151.7 | 171.8 | 185.2 | 205.3 | 203 | 1958.8 |
| 2004-2005 | 187.1 | 182.8 | 153.1 | 133.9 | 134.4 | 118.3 | 143.8 | 151.7 | 174.1 | 183.5 | 202.9 | 205.6 | 1971.0 |
| 2005-2006 | 189.8 | 171.7 | 145.5 | 142.9 | 131.7 | 123.7 | 145.4 | 155 | 176.8 | 189.6 | 207.9 | 208.1 | 1988.3 |
| 2006-2007 | 195.2 | 181.6 | 147.9 | 138.6 | 131.7 | 124.2 | 144.7 | 149.8 | 179.2 | 192 | 210.5 | 210.8 | 2006.1 |
| 2007-2008 | 191.6 | 186.4 | 156.3 | 141.9 | 131.6 | 120.8 | 151.5 | 153.3 | 170.4 | 187.9 | 203 | 204.7 | 1999.3 |
| 2008-2009 | 187.5 | 177.7 | 158.7 | 141 | 131.9 | 115.4 | 131.9 | 144.7 | 167.9 | 186 | 203.1 | 201.9 | 1947.6 |
| 2009-2010 | 180.6 | 175.1 | 144.3 | 139.9 | 141.1 | 125.8 | 145.8 | 151 | 171.3 | 180.7 | 198.2 | 207 | 1960.7 |
| 2010-2011 | 187.7 | 174.1 | 150.4 | 142.8 | 131.2 | 116.2 | 134.1 | 142.5 | 166.7 | 181.9 | 201.9 | 202.8 | 1932.2 |
| 2011-2012 | 185.1 | 167 | 135.7 | 130 | 121.9 | 112 | 128.9 | 145.1 | 167.9 | 184.8 | 206.7 | 206.5 | 1891.5 |
| 2012-2013 | 185.8 | 175.4 | 152.5 | 135.6 | 127.9 | 119.9 | 140.3 | 148.3 | 174.5 | 183.5 | 200.5 | 203 | 1947.2 |
| 2013-2014 | 182.2 | 163.5 | 152.8 | 131.7 | 134.9 | 119.2 | 142.6 | 149.4 | 168.7 | 182.7 | 200.2 | 202.3 | 1930.2 |
| 2014-2015 | 185.3 | 169.4 | 143.4 | 141.7 | 124.5 | 115.6 | 139 | 141.3 | 169.3 | 178.6 | 199.8 | 205.2 | 1913.1 |
| AVERAGE | 185.5 | 174.6 | 147.8 | 136.6 | 129.9 | 117.7 | 138.6 | 147.7 | 170.5 | 183.5 | 201.9 | 202.9 | |

**Table A. 129** Salamis station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 139.1 | 64.87 | 46.54 | 42.88 | 42.75 | 43.57 | 54.54 | 117.4 | 144.9 | 165.3 | 176.9 | 162.1 | 1200.7 |
| 1979-1980 | 138.5 | 64.11 | 51.18 | 42.83 | 39.86 | 40.24 | 51.57 | 113.6 | 139 | 161 | 170.6 | 163.5 | 1176.0 |
| 1980-1981 | 136.1 | 61.69 | 49.61 | 43.07 | 41.63 | 40.98 | 55.06 | 118.8 | 138.1 | 163.9 | 178.9 | 167.8 | 1195.6 |
| 1981-1982 | 142.6 | 65.87 | 46.94 | 45.08 | 43.31 | 38.84 | 50.43 | 118.7 | 146.2 | 164.3 | 175.3 | 168.7 | 1206.2 |
| 1982-1983 | 145.3 | 65.07 | 47.44 | 41.63 | 39.27 | 39.9 | 51.89 | 116.3 | 146.8 | 158.6 | 177 | 165.8 | 1195.0 |
| 1983-1984 | 140.1 | 61.63 | 50.71 | 44.8 | 44.36 | 44.55 | 55.73 | 118 | 152.5 | 166.1 | 175.3 | 166.1 | 1219.8 |
| 1984-1985 | 141.1 | 67.46 | 48.67 | 42.58 | 44.72 | 40.09 | 54.08 | 120.6 | 151.4 | 165.4 | 177.6 | 171.7 | 1225.4 |
| 1985-1986 | 144 | 63.02 | 51.91 | 44.06 | 44.25 | 43.59 | 55.62 | 127.9 | 144.8 | 163.8 | 175.9 | 166.7 | 1225.5 |
| 1986-1987 | 144.2 | 62.42 | 46.05 | 40.41 | 42.97 | 44.46 | 50.16 | 115.6 | 143.1 | 160.9 | 180.6 | 170.7 | 1201.5 |
| 1987-1988 | 143.7 | 63.42 | 49.88 | 43.47 | 42.77 | 42.03 | 53.05 | 119.5 | 151.9 | 166.9 | 186 | 173.1 | 1235.6 |
| 1988-1989 | 144.7 | 64.39 | 47.45 | 43.9 | 40.78 | 42.28 | 55.81 | 129.7 | 154.4 | 162.7 | 179.6 | 166.8 | 1232.6 |
| 1989-1990 | 141.5 | 61.74 | 50.1 | 43.81 | 41.41 | 42.27 | 55.95 | 122.8 | 149.2 | 162.3 | 178.4 | 169.9 | 1219.4 |
| 1990-1991 | 141.8 | 65.92 | 52.67 | 45.78 | 43.62 | 42.92 | 57.51 | 126 | 152.6 | 167.3 | 176.4 | 166.2 | 1238.8 |
| 1991-1992 | 139.4 | 64.63 | 49.1 | 40.41 | 39.07 | 36.45 | 51 | 115.7 | 142.4 | 160.2 | 172.5 | 168.4 | 1179.3 |
| 1992-1993 | 141 | 64.91 | 49.46 | 39.38 | 40.98 | 39.12 | 53.29 | 115.9 | 141.8 | 164.3 | 177 | 165.5 | 1192.5 |
| 1993-1994 | 139.6 | 67.76 | 48.32 | 45.54 | 45.14 | 42.25 | 54.71 | 125.5 | 155.4 | 170.6 | 179.7 | 173 | 1247.5 |
| 1994-1995 | 148.3 | 69.22 | 50.1 | 41.95 | 44.49 | 44.89 | 57.25 | 117.2 | 149 | 166.2 | 176.3 | 167.1 | 1232.1 |
| 1995-1996 | 141.6 | 62.37 | 45.6 | 42.26 | 41.18 | 42.51 | 52.38 | 112.8 | 148.5 | 164 | 176.6 | 167.6 | 1197.4 |
| 1996-1997 | 139.8 | 62.87 | 51.09 | 47.16 | 44.94 | 40.72 | 52.38 | 114.5 | 149.8 | 167.4 | 182.2 | 164.1 | 1216.9 |
| 1997-1998 | 138.9 | 63.08 | 50.58 | 43.78 | 42.09 | 42.68 | 52.53 | 124.4 | 147.8 | 167 | 182.4 | 174.2 | 1229.4 |
| 1998-1999 | 142.9 | 65.65 | 52.4 | 44.7 | 44.94 | 43.1 | 55.18 | 119.1 | 154.9 | 166.5 | 180.9 | 171.9 | 1242.2 |
| 1999-2000 | 144.7 | 65.71 | 50.13 | 45.58 | 39.47 | 41.67 | 52.93 | 121 | 149.3 | 172 | 185.6 | 172.7 | 1240.8 |
| 2000-2001 | 144 | 63.37 | 50.77 | 44.45 | 44.48 | 43.41 | 59.01 | 124.8 | 150.7 | 167.9 | 180.6 | 172.3 | 1245.8 |
| 2001-2002 | 144.3 | 65.7 | 49.57 | 43.43 | 40.8 | 43.88 | 56.22 | 118.8 | 147.9 | 167.5 | 183 | 169.3 | 1230.4 |
| 2002-2003 | 142.9 | 64.78 | 51.49 | 42.4 | 45.5 | 39.95 | 52.17 | 118.4 | 156.6 | 167.5 | 183.5 | 173.9 | 1238.9 |
| 2003-2004 | 142.8 | 64.91 | 50.87 | 44.63 | 42.23 | 41.76 | 56.65 | 123.4 | 149.9 | 167.3 | 182.4 | 169.7 | 1236.6 |
| 2004-2005 | 143.8 | 67.54 | 51.51 | 42.79 | 44.2 | 42.27 | 56.52 | 123.4 | 151.8 | 165.7 | 180.2 | 171.9 | 1241.6 |
| 2005-2006 | 145.8 | 63.47 | 48.97 | 45.65 | 43.34 | 44.22 | 57.17 | 126.1 | 154.2 | 171.3 | 184.7 | 173.9 | 1258.9 |
| 2006-2007 | 150 | 67.12 | 49.78 | 44.31 | 43.33 | 44.38 | 56.88 | 121.8 | 156.3 | 173.5 | 187 | 176.2 | 1270.6 |
| 2007-2008 | 147.2 | 68.86 | 52.62 | 45.34 | 43.3 | 43.16 | 59.54 | 124.6 | 148.6 | 169.8 | 180.3 | 171.1 | 1254.5 |
| 2008-2009 | 144 | 65.66 | 53.41 | 45.06 | 43.38 | 41.25 | 51.84 | 117.7 | 146.5 | 168 | 180.5 | 168.8 | 1226.0 |
| 2009-2010 | 138.7 | 64.7 | 48.56 | 44.7 | 46.42 | 44.98 | 57.29 | 122.8 | 149.5 | 163.2 | 176.1 | 173.1 | 1230.0 |
| 2010-2011 | 144.2 | 64.32 | 50.64 | 45.62 | 43.18 | 41.53 | 52.7 | 115.9 | 145.4 | 164.3 | 179.4 | 169.5 | 1216.7 |
| 2011-2012 | 142.2 | 61.72 | 45.67 | 41.54 | 40.12 | 40.02 | 50.64 | 118 | 146.5 | 166.9 | 183.6 | 172.6 | 1209.5 |
| 2012-2013 | 142.8 | 64.81 | 51.32 | 43.35 | 42.08 | 42.87 | 55.16 | 120.6 | 152.2 | 165.7 | 178.1 | 169.7 | 1228.7 |
| 2013-2014 | 139.9 | 60.43 | 51.44 | 42.1 | 44.38 | 42.59 | 56.05 | 121.5 | 147.1 | 165 | 177.9 | 169.1 | 1217.6 |
| 2014-2015 | 142.4 | 62.6 | 48.28 | 45.3 | 40.95 | 41.31 | 54.61 | 114.9 | 147.7 | 161.4 | 177.5 | 171.5 | 1208.4 |
| AVERAGE | 142.5 | 64.5 | 49.8 | 43.7 | 42.7 | 42.1 | 54.5 | 120.1 | 148.8 | 165.7 | 179.4 | 169.6 | |

**Table A. 130** Salamis station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.1 | 93.54 | 54.09 | 42.33 | 43.76 | 50.87 | 80.25 | 98.71 | 128.5 | 148.2 | 156.5 | 142.1 | 1156.0 |
| 1979-1980 | 116.8 | 92.37 | 61.84 | 42.25 | 38.83 | 45.68 | 76 | 96.09 | 124.7 | 145.6 | 152.5 | 143.1 | 1135.7 |
| 1980-1981 | 115 | 88.69 | 59.26 | 42.68 | 41.89 | 46.85 | 80.98 | 99.64 | 124.1 | 147.4 | 157.8 | 146 | 1150.3 |
| 1981-1982 | 119.7 | 95.07 | 54.75 | 46.16 | 44.73 | 43.5 | 74.42 | 99.61 | 129.3 | 147.6 | 155.5 | 146.6 | 1156.9 |
| 1982-1983 | 121.7 | 93.84 | 55.61 | 40.14 | 37.84 | 45.15 | 76.45 | 97.98 | 129.7 | 144.1 | 156.6 | 144.7 | 1143.8 |
| 1983-1984 | 117.9 | 88.6 | 61.05 | 45.69 | 46.48 | 52.39 | 81.91 | 99.12 | 133.4 | 148.8 | 155.5 | 144.9 | 1175.6 |
| 1984-1985 | 118.6 | 97.45 | 57.66 | 41.79 | 47.1 | 45.46 | 79.6 | 100.9 | 132.6 | 148.3 | 157 | 148.6 | 1175.1 |
| 1985-1986 | 120.7 | 90.71 | 63.02 | 44.39 | 46.3 | 50.95 | 81.82 | 105.9 | 128.4 | 147.3 | 155.9 | 145.2 | 1180.7 |
| 1986-1987 | 120.9 | 89.81 | 53.28 | 37.98 | 44.16 | 52.29 | 74.02 | 97.45 | 127.3 | 145.5 | 158.8 | 147.9 | 1149.5 |
| 1987-1988 | 120.5 | 91.35 | 59.68 | 43.35 | 43.8 | 48.49 | 78.1 | 100.2 | 133 | 149.2 | 162.2 | 149.5 | 1179.4 |
| 1988-1989 | 121.3 | 92.81 | 55.64 | 44.12 | 40.4 | 48.88 | 82.08 | 107.2 | 134.6 | 146.6 | 158.2 | 145.3 | 1177.2 |
| 1989-1990 | 118.9 | 88.77 | 60.04 | 43.95 | 41.49 | 48.86 | 82.25 | 102.4 | 131.2 | 146.4 | 157.4 | 147.4 | 1169.2 |
| 1990-1991 | 119.1 | 95.12 | 64.34 | 47.4 | 45.23 | 49.89 | 84.5 | 104.6 | 133.4 | 149.5 | 156.2 | 144.9 | 1194.3 |
| 1991-1992 | 117.4 | 93.15 | 58.39 | 37.99 | 37.53 | 39.76 | 75.17 | 97.57 | 126.8 | 145.1 | 153.7 | 146.4 | 1129.0 |
| 1992-1993 | 118.5 | 93.58 | 58.96 | 36.19 | 40.76 | 43.94 | 78.46 | 97.65 | 126.5 | 147.6 | 156.6 | 144.5 | 1143.2 |
| 1993-1994 | 117.5 | 97.91 | 57.1 | 46.97 | 47.81 | 48.84 | 80.49 | 104.3 | 135.2 | 151.5 | 158.3 | 149.5 | 1195.5 |
| 1994-1995 | 123.9 | 100.1 | 60.01 | 40.69 | 46.72 | 52.98 | 84.1 | 98.58 | 131.1 | 148.8 | 156.1 | 145.5 | 1188.8 |
| 1995-1996 | 119 | 89.74 | 52.52 | 41.23 | 41.09 | 49.22 | 77.16 | 95.53 | 130.8 | 147.4 | 156.3 | 145.9 | 1145.9 |
| 1996-1997 | 117.7 | 90.5 | 61.7 | 49.84 | 47.51 | 46.43 | 77.15 | 96.71 | 131.6 | 149.5 | 159.8 | 143.5 | 1172.0 |
| 1997-1998 | 117.1 | 90.8 | 60.84 | 43.94 | 42.66 | 49.5 | 77.38 | 103.5 | 130.3 | 149.3 | 160 | 150.2 | 1175.6 |
| 1998-1999 | 120 | 94.7 | 63.86 | 45.52 | 47.46 | 50.16 | 81.15 | 99.89 | 135 | 149 | 159 | 148.7 | 1194.4 |
| 1999-2000 | 121.2 | 94.83 | 60.08 | 47.07 | 38.19 | 47.92 | 77.93 | 101.2 | 131.3 | 152.4 | 162 | 149.3 | 1183.5 |
| 2000-2001 | 120.7 | 91.26 | 61.16 | 45.07 | 46.7 | 50.66 | 86.63 | 103.8 | 132.2 | 149.9 | 158.8 | 149 | 1195.9 |
| 2001-2002 | 121 | 94.78 | 59.14 | 43.28 | 40.45 | 51.37 | 82.65 | 99.68 | 130.4 | 149.6 | 160.3 | 147 | 1179.7 |
| 2002-2003 | 119.9 | 93.39 | 62.34 | 41.47 | 48.45 | 45.24 | 76.86 | 99.39 | 136 | 149.6 | 160.7 | 150.1 | 1183.4 |
| 2003-2004 | 119.9 | 93.57 | 61.3 | 45.4 | 42.9 | 48.08 | 83.29 | 102.8 | 131.7 | 149.5 | 160 | 147.2 | 1185.6 |
| 2004-2005 | 120.6 | 97.58 | 62.4 | 42.19 | 46.25 | 48.87 | 83.06 | 102.8 | 132.9 | 148.5 | 158.6 | 148.7 | 1192.5 |
| 2005-2006 | 122.1 | 91.4 | 58.15 | 47.2 | 44.77 | 51.91 | 83.96 | 104.7 | 134.5 | 151.9 | 161.4 | 150.1 | 1202.2 |
| 2006-2007 | 125.1 | 96.93 | 59.52 | 44.82 | 44.73 | 52.18 | 83.55 | 101.7 | 135.8 | 153.3 | 162.9 | 151.6 | 1212.2 |
| 2007-2008 | 123.1 | 99.61 | 64.22 | 46.65 | 44.71 | 50.27 | 87.38 | 103.7 | 130.9 | 151 | 158.7 | 148.2 | 1208.4 |
| 2008-2009 | 120.8 | 94.72 | 65.56 | 46.16 | 44.84 | 47.27 | 76.4 | 98.89 | 129.5 | 149.9 | 158.8 | 146.6 | 1179.4 |
| 2009-2010 | 116.9 | 93.27 | 57.48 | 45.52 | 50.01 | 53.09 | 84.17 | 102.4 | 131.4 | 146.9 | 156 | 149.5 | 1186.8 |
| 2010-2011 | 120.9 | 92.7 | 60.93 | 47.14 | 44.5 | 47.7 | 77.62 | 97.67 | 128.8 | 147.7 | 158.1 | 147.1 | 1170.8 |
| 2011-2012 | 119.4 | 88.76 | 52.65 | 39.99 | 39.27 | 45.34 | 74.7 | 99.09 | 129.5 | 149.3 | 160.7 | 149.2 | 1147.9 |
| 2012-2013 | 119.9 | 93.43 | 62.06 | 43.15 | 42.62 | 49.8 | 81.12 | 100.9 | 133.2 | 148.5 | 157.3 | 147.3 | 1179.2 |
| 2013-2014 | 117.8 | 86.79 | 62.25 | 40.97 | 46.53 | 49.37 | 82.41 | 101.5 | 129.9 | 148.1 | 157.1 | 146.9 | 1169.6 |
| 2014-2015 | 119.6 | 90.09 | 57 | 46.56 | 40.7 | 47.35 | 80.35 | 96.98 | 130.3 | 145.8 | 156.9 | 148.5 | 1160.1 |
| AVERAGE | 119.7 | 93.0 | 59.5 | 43.7 | 43.8 | 48.6 | 80.1 | 100.6 | 131.0 | 148.5 | 158.1 | 147.2 | |

**Table A. 131** Serdarli station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 92.1 | 63.1 | 34.2 | 26.0 | 24.9 | 29.7 | 45.4 | 65.1 | 100.7 | 141.8 | 164.1 | 143.2 | 930.2 |
| 1979-1980 | 97.3 | 61.4 | 37.2 | 25.5 | 22.5 | 25.1 | 41.4 | 58.7 | 100.0 | 137.2 | 168.4 | 151.7 | 926.4 |
| 1980-1981 | 94.2 | 66.3 | 39.6 | 26.7 | 25.1 | 28.7 | 45.6 | 67.1 | 92.9 | 152.1 | 168.0 | 139.4 | 945.6 |
| 1981-1982 | 100.0 | 72.0 | 33.2 | 29.6 | 25.8 | 25.0 | 39.0 | 63.2 | 99.1 | 143.4 | 157.4 | 150.5 | 938.1 |
| 1982-1983 | 104.5 | 64.7 | 32.4 | 24.5 | 22.1 | 25.7 | 42.3 | 65.1 | 106.8 | 133.3 | 166.0 | 143.3 | 930.8 |
| 1983-1984 | 98.4 | 60.6 | 39.6 | 28.2 | 27.5 | 31.1 | 45.6 | 61.3 | 110.5 | 142.6 | 169.2 | 135.7 | 950.3 |
| 1984-1985 | 86.8 | 65.4 | 32.2 | 24.3 | 27.0 | 25.5 | 42.3 | 67.5 | 113.6 | 141.6 | 167.0 | 172.3 | 965.5 |
| 1985-1986 | 109.3 | 63.0 | 42.1 | 28.3 | 25.3 | 29.6 | 46.2 | 74.7 | 95.2 | 145.2 | 167.4 | 142.5 | 968.8 |
| 1986-1987 | 103.7 | 60.8 | 31.0 | 25.0 | 24.0 | 30.6 | 36.8 | 60.8 | 98.8 | 134.9 | 177.4 | 148.8 | 932.6 |
| 1987-1988 | 98.6 | 57.7 | 34.6 | 25.6 | 24.7 | 27.5 | 40.8 | 66.9 | 109.6 | 143.7 | 190.2 | 152.3 | 972.2 |
| 1988-1989 | 100.5 | 58.8 | 30.8 | 24.9 | 22.0 | 27.0 | 45.8 | 83.8 | 113.6 | 136.2 | 173.3 | 143.7 | 960.4 |
| 1989-1990 | 95.5 | 59.3 | 36.7 | 27.2 | 22.9 | 27.8 | 44.8 | 66.8 | 103.4 | 137.6 | 160.1 | 145.7 | 927.8 |
| 1990-1991 | 93.2 | 64.6 | 37.5 | 27.2 | 24.6 | 26.6 | 47.3 | 66.5 | 96.7 | 141.9 | 156.0 | 137.5 | 919.6 |
| 1991-1992 | 94.7 | 65.1 | 34.8 | 22.3 | 20.8 | 20.5 | 33.3 | 57.1 | 94.5 | 124.5 | 145.7 | 153.7 | 866.8 |
| 1992-1993 | 93.6 | 64.1 | 34.0 | 21.1 | 22.6 | 23.7 | 40.3 | 62.1 | 85.6 | 142.7 | 165.4 | 154.6 | 909.9 |
| 1993-1994 | 98.5 | 77.1 | 32.5 | 26.3 | 26.0 | 27.6 | 42.4 | 70.7 | 106.5 | 140.8 | 160.1 | 148.4 | 957.0 |
| 1994-1995 | 108.6 | 68.9 | 31.2 | 21.4 | 23.8 | 28.8 | 44.1 | 61.3 | 107.9 | 148.6 | 168.8 | 146.4 | 959.8 |
| 1995-1996 | 95.6 | 60.7 | 29.5 | 23.5 | 22.3 | 27.8 | 41.0 | 57.7 | 111.7 | 147.2 | 173.4 | 148.1 | 938.6 |
| 1996-1997 | 93.3 | 57.6 | 36.9 | 27.5 | 25.4 | 24.9 | 36.7 | 51.7 | 107.0 | 145.5 | 175.1 | 128.6 | 910.3 |
| 1997-1998 | 90.1 | 60.0 | 36.5 | 25.4 | 22.9 | 27.4 | 41.6 | 71.7 | 103.0 | 152.3 | 186.7 | 167.4 | 985.0 |
| 1998-1999 | 100.0 | 67.3 | 39.5 | 26.7 | 26.5 | 27.8 | 46.2 | 67.7 | 121.0 | 153.2 | 188.9 | 155.1 | 1019.8 |
| 1999-2000 | 105.1 | 68.6 | 38.4 | 29.2 | 22.8 | 27.9 | 42.1 | 68.4 | 106.7 | 155.4 | 190.3 | 157.2 | 1012.1 |
| 2000-2001 | 106.3 | 63.0 | 39.9 | 26.6 | 25.9 | 29.3 | 54.0 | 69.7 | 112.7 | 149.6 | 177.1 | 153.8 | 1007.9 |
| 2001-2002 | 100.7 | 64.5 | 35.4 | 25.2 | 22.2 | 30.2 | 46.6 | 61.5 | 98.7 | 146.9 | 180.3 | 150.0 | 962.2 |
| 2002-2003 | 98.6 | 65.0 | 39.6 | 24.2 | 27.5 | 25.4 | 39.7 | 65.2 | 129.3 | 155.2 | 191.4 | 168.2 | 1029.3 |
| 2003-2004 | 102.4 | 70.3 | 38.9 | 26.4 | 24.7 | 28.0 | 49.3 | 69.1 | 105.0 | 151.7 | 187.7 | 148.7 | 1002.2 |
| 2004-2005 | 105.8 | 71.7 | 37.3 | 24.3 | 25.1 | 26.7 | 46.0 | 67.7 | 106.1 | 139.2 | 179.0 | 151.2 | 980.3 |
| 2005-2006 | 104.2 | 59.1 | 32.6 | 26.0 | 24.3 | 29.2 | 46.7 | 71.9 | 107.1 | 151.6 | 172.5 | 158.1 | 983.3 |
| 2006-2007 | 103.4 | 62.4 | 32.6 | 23.7 | 23.8 | 28.3 | 44.5 | 62.7 | 109.7 | 157.4 | 188.7 | 153.9 | 991.0 |
| 2007-2008 | 103.4 | 70.1 | 38.1 | 25.7 | 22.9 | 26.7 | 55.7 | 75.3 | 108.7 | 157.6 | 183.7 | 163.8 | 1031.7 |
| 2008-2009 | 99.4 | 62.2 | 39.6 | 26.7 | 25.7 | 29.5 | 43.8 | 68.0 | 105.6 | 161.3 | 180.3 | 152.7 | 994.8 |
| 2009-2010 | 95.4 | 70.7 | 36.2 | 31.3 | 30.1 | 32.5 | 49.6 | 71.7 | 110.2 | 138.9 | 166.7 | 170.7 | 1004.1 |
| 2010-2011 | 107.3 | 67.5 | 43.0 | 30.7 | 26.0 | 29.2 | 45.3 | 63.7 | 99.1 | 142.7 | 176.2 | 156.7 | 987.6 |
| 2011-2012 | 105.8 | 60.9 | 32.0 | 25.4 | 23.8 | 26.4 | 41.9 | 69.8 | 100.5 | 153.3 | 191.3 | 188.9 | 1019.9 |
| 2012-2013 | 120.2 | 78.2 | 46.0 | 30.7 | 28.2 | 34.8 | 54.2 | 82.6 | 134.2 | 168.9 | 200.2 | 185.8 | 1163.9 |
| 2013-2014 | 114.0 | 71.4 | 47.4 | 28.5 | 31.6 | 35.4 | 56.5 | 81.0 | 115.8 | 170.2 | 191.5 | 174.5 | 1117.7 |
| 2014-2015 | 112.8 | 71.9 | 41.3 | 33.2 | 27.4 | 31.4 | 53.6 | 72.4 | 125.3 | 152.4 | 199.0 | 184.6 | 1105.3 |
| AVERAGE | 100.9 | 65.3 | 36.6 | 26.4 | 24.9 | 28.1 | 44.8 | 67.2 | 106.8 | 147.0 | 175.8 | 154.8 | |

**Table A. 132** Serdarli station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 105.8 | 70.5 | 35.5 | 21.1 | 16.5 | 22.7 | 32.0 | 56.2 | 85.7 | 143.9 | 166.7 | 149.5 | 906.0 |
| 1979-1980 | 118.4 | 70.5 | 44.0 | 21.0 | 12.3 | 13.4 | 26.1 | 46.7 | 88.4 | 144.0 | 179.3 | 166.4 | 930.5 |
| 1980-1981 | 103.6 | 72.1 | 45.1 | 21.6 | 16.1 | 19.3 | 30.8 | 56.9 | 71.8 | 149.3 | 162.9 | 138.1 | 887.6 |
| 1981-1982 | 115.3 | 83.4 | 32.7 | 28.7 | 17.9 | 12.5 | 20.5 | 51.9 | 82.1 | 143.4 | 156.0 | 155.4 | 899.8 |
| 1982-1983 | 127.9 | 75.4 | 32.5 | 18.6 | 11.2 | 14.7 | 27.5 | 58.3 | 96.6 | 137.2 | 174.6 | 154.5 | 929.1 |
| 1983-1984 | 106.7 | 61.6 | 44.1 | 24.1 | 20.1 | 23.8 | 30.0 | 45.6 | 91.2 | 134.1 | 159.8 | 130.3 | 871.6 |
| 1984-1985 | 94.2 | 71.7 | 29.9 | 16.8 | 20.0 | 13.1 | 25.6 | 58.4 | 98.7 | 138.5 | 164.0 | 176.2 | 907.1 |
| 1985-1986 | 115.6 | 62.3 | 47.0 | 23.4 | 15.3 | 19.8 | 29.6 | 64.7 | 69.5 | 130.9 | 150.7 | 131.7 | 860.5 |
| 1986-1987 | 127.3 | 69.0 | 29.4 | 19.7 | 15.3 | 25.5 | 17.9 | 50.4 | 86.2 | 140.0 | 188.9 | 161.9 | 931.4 |
| 1987-1988 | 110.1 | 58.7 | 34.8 | 19.3 | 15.3 | 16.9 | 22.9 | 56.7 | 92.8 | 139.6 | 187.3 | 153.0 | 907.6 |
| 1988-1989 | 114.3 | 61.3 | 27.0 | 18.1 | 10.5 | 16.3 | 31.6 | 86.9 | 99.0 | 132.1 | 171.7 | 145.4 | 914.3 |
| 1989-1990 | 111.6 | 64.6 | 41.3 | 24.0 | 12.7 | 18.6 | 31.2 | 59.9 | 89.7 | 139.4 | 163.1 | 153.6 | 909.6 |
| 1990-1991 | 107.9 | 73.3 | 43.3 | 23.9 | 15.9 | 16.0 | 35.6 | 59.3 | 80.8 | 145.0 | 158.0 | 143.6 | 902.7 |
| 1991-1992 | 136.5 | 91.4 | 46.1 | 16.7 | 10.6 | 5.8 | 14.8 | 52.8 | 96.1 | 151.3 | 180.6 | 201.4 | 1004.2 |
| 1992-1993 | 120.9 | 80.7 | 39.4 | 12.1 | 13.2 | 11.5 | 25.9 | 57.4 | 73.2 | 162.9 | 188.8 | 182.3 | 968.3 |
| 1993-1994 | 107.7 | 86.8 | 29.6 | 20.5 | 17.5 | 16.8 | 25.0 | 61.9 | 87.3 | 133.2 | 151.3 | 145.6 | 883.2 |
| 1994-1995 | 126.4 | 78.0 | 27.9 | 11.2 | 13.8 | 20.1 | 28.9 | 48.1 | 92.6 | 148.8 | 167.9 | 149.6 | 913.4 |
| 1995-1996 | 116.9 | 70.0 | 26.3 | 16.6 | 12.0 | 19.5 | 25.7 | 45.3 | 105.1 | 159.2 | 187.1 | 163.7 | 947.3 |
| 1996-1997 | 116.7 | 66.4 | 45.3 | 26.6 | 19.0 | 13.7 | 18.5 | 35.2 | 101.7 | 161.7 | 195.1 | 143.0 | 942.9 |
| 1997-1998 | 96.1 | 61.1 | 38.0 | 18.5 | 11.7 | 16.5 | 23.6 | 63.5 | 83.0 | 147.0 | 179.8 | 165.7 | 904.7 |
| 1998-1999 | 97.8 | 64.6 | 39.3 | 19.0 | 16.5 | 15.2 | 27.7 | 50.2 | 93.0 | 131.5 | 161.9 | 136.2 | 852.9 |
| 1999-2000 | 106.6 | 68.1 | 38.2 | 24.2 | 10.6 | 15.8 | 22.3 | 52.7 | 80.0 | 137.3 | 167.5 | 141.8 | 865.3 |
| 2000-2001 | 105.4 | 58.8 | 40.0 | 18.7 | 15.5 | 18.1 | 39.3 | 53.3 | 84.4 | 127.8 | 151.0 | 135.0 | 847.4 |
| 2001-2002 | 113.0 | 69.4 | 36.3 | 18.6 | 10.7 | 22.6 | 32.6 | 47.3 | 79.2 | 143.3 | 176.6 | 150.3 | 899.9 |
| 2002-2003 | 98.0 | 62.7 | 40.2 | 14.7 | 18.5 | 11.4 | 18.8 | 47.5 | 103.4 | 136.3 | 167.4 | 151.4 | 870.3 |
| 2003-2004 | 103.4 | 70.6 | 39.2 | 19.0 | 13.8 | 16.0 | 33.3 | 53.9 | 78.3 | 133.6 | 165.4 | 133.7 | 860.1 |
| 2004-2005 | 113.4 | 76.2 | 38.3 | 15.8 | 15.2 | 14.5 | 29.8 | 54.7 | 83.7 | 126.5 | 165.5 | 143.4 | 877.1 |
| 2005-2006 | 112.8 | 58.4 | 29.1 | 19.3 | 14.0 | 19.6 | 31.2 | 62.3 | 85.9 | 142.6 | 161.0 | 152.4 | 888.7 |
| 2006-2007 | 113.5 | 64.4 | 29.6 | 15.0 | 13.2 | 18.1 | 28.2 | 48.0 | 90.4 | 151.7 | 180.4 | 150.4 | 902.9 |
| 2007-2008 | 100.0 | 67.0 | 36.0 | 16.8 | 10.2 | 13.1 | 40.9 | 60.3 | 78.7 | 133.4 | 154.0 | 141.6 | 852.1 |
| 2008-2009 | 102.1 | 60.7 | 41.5 | 20.0 | 15.9 | 19.3 | 25.5 | 53.5 | 80.9 | 147.3 | 162.2 | 140.9 | 869.9 |
| 2009-2010 | 89.7 | 67.4 | 32.3 | 26.8 | 22.1 | 23.3 | 31.9 | 54.7 | 79.7 | 113.2 | 137.2 | 146.8 | 825.3 |
| 2010-2011 | 109.2 | 66.6 | 46.8 | 27.1 | 16.0 | 18.3 | 27.2 | 45.4 | 71.6 | 123.5 | 154.0 | 141.3 | 847.0 |
| 2011-2012 | 112.3 | 59.7 | 27.1 | 17.8 | 12.8 | 13.8 | 23.0 | 57.5 | 76.4 | 141.3 | 176.0 | 178.7 | 896.4 |
| 2012-2013 | 89.4 | 58.5 | 37.5 | 19.4 | 14.4 | 20.6 | 29.0 | 52.4 | 78.8 | 108.1 | 126.4 | 121.1 | 755.6 |
| 2013-2014 | 89.4 | 55.2 | 41.8 | 17.4 | 19.9 | 22.7 | 33.5 | 54.0 | 69.0 | 115.9 | 128.2 | 120.8 | 767.8 |
| 2014-2015 | 93.1 | 58.5 | 34.9 | 25.6 | 14.9 | 17.9 | 31.7 | 46.7 | 80.6 | 107.3 | 140.6 | 134.5 | 786.4 |
| AVERAGE | 108.9 | 68.0 | 37.0 | 19.9 | 14.9 | 17.2 | 27.8 | 54.3 | 85.6 | 137.9 | 165.1 | 149.5 | |

**Table A. 133** Serdarli station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 171.2 | 163.8 | 134.5 | 126 | 119.5 | 112.2 | 130.3 | 138.7 | 160.8 | 175.5 | 191.7 | 191.6 | 1815.9 |
| 1979-1980 | 175 | 161.8 | 140.2 | 124.8 | 112.6 | 101.4 | 123.9 | 131.7 | 160.3 | 173.3 | 193.5 | 195.6 | 1793.9 |
| 1980-1981 | 172.8 | 167.2 | 144.4 | 127.9 | 120.2 | 109.8 | 130.7 | 140.8 | 155.1 | 180.3 | 193.3 | 189.7 | 1832.3 |
| 1981-1982 | 176.8 | 173.1 | 132.6 | 135.2 | 122 | 101.3 | 119.7 | 136.8 | 159.7 | 176.3 | 188.7 | 195 | 1817.1 |
| 1982-1983 | 179.8 | 165.5 | 130.9 | 122 | 111.1 | 103 | 125.5 | 138.8 | 164.9 | 171.4 | 192.5 | 191.6 | 1797.0 |
| 1983-1984 | 175.8 | 161 | 144.5 | 131.7 | 126.4 | 115.1 | 130.7 | 134.7 | 167.4 | 175.9 | 193.8 | 187.7 | 1844.7 |
| 1984-1985 | 167.2 | 166.3 | 130.4 | 121.3 | 125.1 | 102.3 | 125.4 | 141.2 | 169.3 | 175.5 | 192.9 | 204.5 | 1821.3 |
| 1985-1986 | 182.9 | 163.6 | 148.7 | 132.2 | 120.7 | 111.9 | 131.7 | 148.1 | 156.8 | 177.1 | 193.1 | 191.2 | 1858.1 |
| 1986-1987 | 179.3 | 161.1 | 127.9 | 123.3 | 117.1 | 113.9 | 115.6 | 134 | 159.4 | 172.2 | 197.1 | 194.3 | 1795.2 |
| 1987-1988 | 175.8 | 157.5 | 135.3 | 125 | 118.9 | 107.1 | 122.9 | 140.6 | 166.7 | 176.4 | 202 | 195.9 | 1824.1 |
| 1988-1989 | 177.2 | 158.8 | 127.4 | 123 | 110.9 | 106.1 | 131 | 156 | 169.3 | 172.8 | 195.5 | 191.8 | 1819.8 |
| 1989-1990 | 173.7 | 159.4 | 139.2 | 129.3 | 113.7 | 107.9 | 129.4 | 140.5 | 162.6 | 173.5 | 189.9 | 192.8 | 1812.0 |
| 1990-1991 | 172 | 165.4 | 140.8 | 129.2 | 118.7 | 105 | 133.3 | 140.3 | 157.8 | 175.6 | 188.1 | 188.7 | 1814.9 |
| 1991-1992 | 173.1 | 165.9 | 135.7 | 115.4 | 106.9 | 88.41 | 108.7 | 129.8 | 156.2 | 166.7 | 183.3 | 196.6 | 1726.7 |
| 1992-1993 | 172.3 | 164.9 | 134.1 | 111.5 | 112.6 | 97.83 | 122 | 135.6 | 149.4 | 176 | 192.2 | 196.9 | 1765.4 |
| 1993-1994 | 175.8 | 177.9 | 131.1 | 127.1 | 122.6 | 107.4 | 125.6 | 144.4 | 164.8 | 175.1 | 189.9 | 194.1 | 1835.8 |
| 1994-1995 | 182.4 | 170 | 128.1 | 112.6 | 116.3 | 110.2 | 128.3 | 134.7 | 165.6 | 178.8 | 193.7 | 193.1 | 1813.7 |
| 1995-1996 | 173.8 | 161 | 124.4 | 118.9 | 111.9 | 107.8 | 123.3 | 130.5 | 168.1 | 178.1 | 195.5 | 194 | 1787.5 |
| 1996-1997 | 172.1 | 157.4 | 139.7 | 130 | 121 | 101 | 115.3 | 123.1 | 165.1 | 177.3 | 196.3 | 184 | 1782.2 |
| 1997-1998 | 169.8 | 160.2 | 139 | 124.3 | 113.7 | 107.1 | 124.2 | 145.2 | 162.4 | 180.4 | 200.7 | 202.5 | 1829.5 |
| 1998-1999 | 176.9 | 168.2 | 144.3 | 128.1 | 123.8 | 107.8 | 131.6 | 141.4 | 173.7 | 180.9 | 201.5 | 197.1 | 1875.3 |
| 1999-2000 | 180.2 | 169.7 | 142.4 | 134.3 | 113.4 | 108 | 125 | 142.1 | 164.9 | 181.8 | 202.1 | 198.2 | 1862.1 |
| 2000-2001 | 181 | 163.6 | 145 | 127.7 | 122.4 | 111.3 | 142.6 | 143.4 | 168.7 | 179.3 | 197 | 196.6 | 1878.5 |
| 2001-2002 | 177.3 | 165.3 | 136.7 | 124 | 111.6 | 113.2 | 132.3 | 134.8 | 159.4 | 178 | 198.3 | 194.8 | 1825.6 |
| 2002-2003 | 175.9 | 165.8 | 144.4 | 121.2 | 126.4 | 102.3 | 121 | 138.9 | 178.3 | 181.7 | 202.4 | 202.8 | 1861.2 |
| 2003-2004 | 178.4 | 171.4 | 143.2 | 127.3 | 119 | 108.3 | 136.2 | 142.8 | 163.7 | 180.1 | 201.1 | 194.2 | 1865.7 |
| 2004-2005 | 180.7 | 172.8 | 140.5 | 121.4 | 120.1 | 105.3 | 131.3 | 141.5 | 164.5 | 174.3 | 197.7 | 195.4 | 1845.5 |
| 2005-2006 | 179.6 | 159.1 | 131.4 | 126.1 | 117.9 | 111 | 132.3 | 145.5 | 165.1 | 180.1 | 195.2 | 198.6 | 1841.9 |
| 2006-2007 | 179.1 | 162.9 | 131.3 | 119.6 | 116.3 | 109 | 129 | 136.3 | 166.8 | 182.7 | 201.4 | 196.6 | 1830.9 |
| 2007-2008 | 179.1 | 171.1 | 141.9 | 125.5 | 113.6 | 105.3 | 144.7 | 148.7 | 166.1 | 182.8 | 199.5 | 201 | 1879.2 |
| 2008-2009 | 176.4 | 162.8 | 144.4 | 128.1 | 121.8 | 111.6 | 127.9 | 141.7 | 164.1 | 184.3 | 198.3 | 196.1 | 1857.6 |
| 2009-2010 | 173.6 | 171.8 | 138.4 | 139.3 | 132.9 | 117.9 | 136.7 | 145.3 | 167.1 | 174.2 | 192.7 | 203.9 | 1893.7 |
| 2010-2011 | 181.6 | 168.5 | 150 | 137.8 | 122.5 | 111 | 130.3 | 137.2 | 159.7 | 176 | 196.7 | 197.9 | 1869.3 |
| 2011-2012 | 180.7 | 161.2 | 129.9 | 124.6 | 116.4 | 104.6 | 124.7 | 143.5 | 160.6 | 180.9 | 202.4 | 211 | 1840.4 |
| 2012-2013 | 189.4 | 178.8 | 154.7 | 137.8 | 128.3 | 122.1 | 142.8 | 154.9 | 181 | 187.5 | 205.7 | 209.8 | 1992.8 |
| 2013-2014 | 185.7 | 172.5 | 156.8 | 132.5 | 136.2 | 123.2 | 145.7 | 153.6 | 170.6 | 188 | 202.5 | 205.4 | 1972.8 |
| 2014-2015 | 185 | 172.9 | 147.3 | 143.4 | 126.3 | 115.7 | 142 | 146 | 176.1 | 180.5 | 205.2 | 209.4 | 1949.8 |
| AVERAGE | 177.3 | 166.0 | 138.7 | 126.7 | 119.2 | 108.2 | 129.0 | 140.6 | 164.6 | 177.9 | 196.3 | 196.8 | |

**Table A. 134** Serdarli station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 131.8 | 60.63 | 45.34 | 40.34 | 39.39 | 40.16 | 51.33 | 113 | 140.5 | 158.8 | 170.5 | 160.4 | 1152.1 |
| 1979-1980 | 134.7 | 59.9 | 47.26 | 39.95 | 37.09 | 36.3 | 48.77 | 107.2 | 140.1 | 156.8 | 172.2 | 163.8 | 1143.9 |
| 1980-1981 | 132.9 | 61.9 | 48.69 | 40.97 | 39.59 | 39.32 | 51.47 | 114.7 | 135.5 | 163.1 | 172 | 158.8 | 1159.0 |
| 1981-1982 | 136.1 | 64.05 | 44.69 | 43.29 | 40.19 | 36.26 | 47.1 | 111.4 | 139.5 | 159.5 | 167.9 | 163.3 | 1153.3 |
| 1982-1983 | 138.4 | 61.26 | 44.12 | 39.06 | 36.58 | 36.88 | 49.4 | 113 | 144.1 | 155.1 | 171.3 | 160.4 | 1149.5 |
| 1983-1984 | 135.2 | 59.58 | 48.73 | 42.17 | 41.66 | 41.19 | 51.48 | 109.7 | 146.2 | 159.2 | 172.4 | 157.2 | 1164.7 |
| 1984-1985 | 128.6 | 61.56 | 43.96 | 38.83 | 41.24 | 36.64 | 49.37 | 115 | 147.9 | 158.8 | 171.6 | 171.3 | 1164.9 |
| 1985-1986 | 140.7 | 60.56 | 50.14 | 42.33 | 39.78 | 40.07 | 51.84 | 120.6 | 137 | 160.3 | 171.8 | 160.1 | 1175.2 |
| 1986-1987 | 138 | 59.64 | 43.11 | 39.48 | 38.57 | 40.79 | 45.5 | 109.2 | 139.3 | 155.8 | 175.4 | 162.6 | 1147.4 |
| 1987-1988 | 135.3 | 58.28 | 45.64 | 39.99 | 39.19 | 38.34 | 48.39 | 114.5 | 145.7 | 159.7 | 179.8 | 164 | 1168.8 |
| 1988-1989 | 136.3 | 58.78 | 42.95 | 39.38 | 36.54 | 37.98 | 51.57 | 127 | 147.9 | 156.3 | 174 | 160.6 | 1169.3 |
| 1989-1990 | 133.7 | 59.01 | 46.94 | 41.39 | 37.49 | 38.63 | 50.97 | 114.5 | 142.1 | 157 | 169 | 161.4 | 1152.0 |
| 1990-1991 | 132.4 | 61.22 | 47.49 | 41.36 | 39.1 | 37.61 | 52.48 | 114.2 | 138 | 158.9 | 167.4 | 158 | 1148.0 |
| 1991-1992 | 133.2 | 61.42 | 45.74 | 36.96 | 35.22 | 31.65 | 42.77 | 105.7 | 136.6 | 150.8 | 163.1 | 164.5 | 1107.6 |
| 1992-1993 | 132.6 | 61.05 | 45.24 | 35.68 | 37.1 | 35.01 | 48.01 | 110.4 | 130.5 | 159.3 | 171 | 164.9 | 1130.7 |
| 1993-1994 | 135.3 | 65.83 | 44.2 | 40.68 | 40.41 | 38.46 | 49.46 | 117.6 | 143.9 | 158.4 | 169 | 162.5 | 1165.7 |
| 1994-1995 | 140.4 | 62.92 | 43.21 | 36.04 | 38.31 | 39.44 | 50.5 | 109.7 | 144.7 | 161.7 | 172.3 | 161.7 | 1160.9 |
| 1995-1996 | 133.7 | 59.61 | 41.95 | 38.08 | 36.88 | 38.61 | 48.53 | 106.3 | 146.9 | 161.2 | 174 | 162.4 | 1148.1 |
| 1996-1997 | 132.4 | 58.25 | 47.12 | 41.63 | 39.88 | 36.16 | 45.42 | 100.2 | 144.2 | 160.4 | 174.6 | 154 | 1134.4 |
| 1997-1998 | 130.6 | 59.29 | 46.87 | 39.81 | 37.46 | 38.33 | 48.89 | 118.3 | 141.8 | 163.3 | 178.6 | 169.6 | 1172.9 |
| 1998-1999 | 136.1 | 62.29 | 48.66 | 41.01 | 40.83 | 38.6 | 51.79 | 115.1 | 151.8 | 163.6 | 179.4 | 165.1 | 1194.2 |
| 1999-2000 | 138.7 | 62.81 | 47.99 | 43 | 37.39 | 38.68 | 49.23 | 115.7 | 144 | 164.5 | 179.8 | 165.9 | 1187.7 |
| 2000-2001 | 139.3 | 60.56 | 48.87 | 40.89 | 40.32 | 39.85 | 56.14 | 116.8 | 147.4 | 162.2 | 175.3 | 164.6 | 1192.1 |
| 2001-2002 | 136.4 | 61.17 | 46.11 | 39.7 | 36.76 | 40.53 | 52.08 | 109.8 | 139.2 | 161 | 176.4 | 163.1 | 1162.4 |
| 2002-2003 | 135.3 | 61.38 | 48.69 | 38.8 | 41.66 | 36.61 | 47.63 | 113.1 | 155.8 | 164.4 | 180.2 | 169.9 | 1193.5 |
| 2003-2004 | 137.3 | 63.44 | 48.29 | 40.76 | 39.21 | 38.77 | 53.63 | 116.3 | 143 | 163 | 179 | 162.6 | 1185.3 |
| 2004-2005 | 139 | 63.95 | 47.36 | 38.87 | 39.57 | 37.71 | 51.71 | 115.2 | 143.7 | 157.7 | 176 | 163.6 | 1174.4 |
| 2005-2006 | 138.2 | 58.91 | 44.27 | 40.34 | 38.85 | 39.74 | 52.1 | 118.5 | 144.3 | 163 | 173.7 | 166.2 | 1178.1 |
| 2006-2007 | 137.8 | 60.32 | 44.27 | 38.27 | 38.32 | 39.02 | 50.8 | 110.9 | 145.7 | 165.3 | 179.3 | 164.6 | 1174.7 |
| 2007-2008 | 137.8 | 63.34 | 47.83 | 40.16 | 37.42 | 37.69 | 56.98 | 121.1 | 145.2 | 165.4 | 177.6 | 168.3 | 1198.8 |
| 2008-2009 | 135.7 | 60.25 | 48.69 | 41.01 | 40.15 | 39.97 | 50.35 | 115.4 | 143.4 | 166.8 | 176.4 | 164.2 | 1182.4 |
| 2009-2010 | 133.6 | 63.58 | 46.67 | 44.59 | 43.79 | 42.2 | 53.8 | 118.4 | 146 | 157.6 | 171.5 | 170.7 | 1192.4 |
| 2010-2011 | 139.8 | 62.39 | 50.58 | 44.13 | 40.39 | 39.76 | 51.29 | 111.8 | 139.5 | 159.3 | 175 | 165.7 | 1179.5 |
| 2011-2012 | 139 | 59.67 | 43.79 | 39.89 | 38.37 | 37.43 | 49.08 | 116.9 | 140.4 | 163.6 | 180.1 | 176.7 | 1185.0 |
| 2012-2013 | 145.7 | 66.2 | 52.18 | 44.11 | 42.29 | 43.72 | 56.22 | 126.2 | 158.1 | 169.6 | 183 | 175.7 | 1263.1 |
| 2013-2014 | 142.9 | 63.84 | 52.86 | 42.42 | 44.89 | 44.1 | 57.38 | 125.1 | 149.1 | 170.1 | 180.2 | 172 | 1244.9 |
| 2014-2015 | 142.4 | 64 | 49.66 | 45.9 | 41.63 | 41.42 | 55.91 | 118.9 | 153.9 | 163.3 | 182.6 | 175.3 | 1235.0 |
| AVERAGE | 136.4 | 61.4 | 46.8 | 40.6 | 39.3 | 38.7 | 50.8 | 114.5 | 143.9 | 160.9 | 174.7 | 164.7 | |

**Table A. 135** Serdarli station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.5 | 87.59 | 52.44 | 38.11 | 38.33 | 45.89 | 76.2 | 96.35 | 126.5 | 145.1 | 153.4 | 141.8 | 1114.3 |
| 1979-1980 | 114.6 | 86.48 | 55.63 | 37.42 | 34.43 | 39.83 | 72.57 | 92.38 | 126.2 | 143.9 | 154.4 | 144.1 | 1101.9 |
| 1980-1981 | 113.4 | 89.52 | 57.99 | 39.21 | 38.68 | 44.57 | 76.43 | 97.51 | 123.3 | 147.8 | 154.3 | 140.8 | 1123.5 |
| 1981-1982 | 115.6 | 92.81 | 51.37 | 43.29 | 39.71 | 39.79 | 70.2 | 95.24 | 125.8 | 145.6 | 151.8 | 143.8 | 1115.0 |
| 1982-1983 | 117.3 | 88.56 | 50.4 | 35.9 | 33.57 | 40.74 | 73.47 | 96.4 | 128.8 | 142.8 | 153.9 | 141.8 | 1103.7 |
| 1983-1984 | 115 | 85.99 | 58.06 | 41.35 | 42.19 | 47.52 | 76.43 | 94.07 | 130.2 | 145.4 | 154.6 | 139.7 | 1130.5 |
| 1984-1985 | 110.2 | 88.99 | 50.13 | 35.47 | 41.45 | 40.35 | 73.41 | 97.73 | 131.3 | 145.1 | 154.1 | 149.1 | 1117.4 |
| 1985-1986 | 119 | 87.49 | 60.43 | 41.6 | 38.99 | 45.74 | 76.96 | 101.6 | 124.3 | 146 | 154.2 | 141.6 | 1138.0 |
| 1986-1987 | 117 | 86.08 | 48.71 | 36.62 | 36.94 | 46.86 | 67.91 | 93.71 | 125.7 | 143.2 | 156.5 | 143.4 | 1102.7 |
| 1987-1988 | 115.1 | 84.03 | 52.91 | 37.53 | 37.95 | 43.06 | 72.03 | 97.38 | 129.8 | 145.6 | 159.2 | 144.3 | 1118.9 |
| 1988-1989 | 115.8 | 84.79 | 48.46 | 36.42 | 33.48 | 42.46 | 76.58 | 106 | 131.3 | 143.6 | 155.6 | 142 | 1116.5 |
| 1989-1990 | 113.8 | 85.13 | 55.07 | 39.97 | 35.06 | 43.49 | 75.7 | 97.35 | 127.5 | 144 | 152.4 | 142.5 | 1112.1 |
| 1990-1991 | 112.9 | 88.5 | 55.99 | 39.93 | 37.83 | 41.88 | 77.87 | 97.2 | 124.8 | 145.2 | 151.4 | 140.2 | 1113.8 |
| 1991-1992 | 113.5 | 88.8 | 53.12 | 32.19 | 31.23 | 32.55 | 64.03 | 91.34 | 123.9 | 140.2 | 148.7 | 144.6 | 1064.2 |
| 1992-1993 | 113.1 | 88.23 | 52.23 | 29.95 | 34.42 | 37.84 | 71.5 | 94.56 | 120.1 | 145.4 | 153.7 | 144.9 | 1085.9 |
| 1993-1994 | 115.1 | 95.5 | 50.52 | 38.71 | 40.07 | 43.21 | 73.55 | 99.54 | 128.7 | 144.9 | 152.4 | 143.3 | 1125.5 |
| 1994-1995 | 118.8 | 91.06 | 48.85 | 30.57 | 36.5 | 44.76 | 75.07 | 94.06 | 129.2 | 147 | 154.5 | 142.7 | 1113.1 |
| 1995-1996 | 113.9 | 86.05 | 46.78 | 34.16 | 34.05 | 43.47 | 72.23 | 91.71 | 130.6 | 146.6 | 155.6 | 143.2 | 1098.3 |
| 1996-1997 | 113 | 83.98 | 55.37 | 40.37 | 39.16 | 39.61 | 67.78 | 87.54 | 128.9 | 146.1 | 156 | 137.6 | 1095.4 |
| 1997-1998 | 111.7 | 85.56 | 54.97 | 37.19 | 35.03 | 43.03 | 72.75 | 100 | 127.4 | 147.9 | 158.5 | 148 | 1121.9 |
| 1998-1999 | 115.6 | 90.07 | 57.95 | 39.3 | 40.75 | 43.44 | 76.89 | 97.83 | 133.7 | 148.1 | 159 | 145 | 1147.7 |
| 1999-2000 | 117.5 | 90.88 | 56.86 | 42.79 | 34.91 | 43.56 | 73.21 | 98.22 | 128.8 | 148.7 | 159.3 | 145.6 | 1140.2 |
| 2000-2001 | 118 | 87.48 | 58.33 | 39.08 | 39.92 | 45.41 | 83.08 | 98.97 | 130.9 | 147.2 | 156.4 | 144.6 | 1149.5 |
| 2001-2002 | 115.9 | 88.41 | 53.69 | 37 | 33.85 | 46.46 | 77.31 | 94.14 | 125.7 | 146.5 | 157.1 | 143.7 | 1119.7 |
| 2002-2003 | 115.1 | 88.73 | 58 | 35.45 | 42.19 | 40.34 | 70.95 | 96.41 | 136.3 | 148.6 | 159.5 | 148.2 | 1139.8 |
| 2003-2004 | 116.5 | 91.85 | 57.34 | 38.85 | 38.01 | 43.71 | 79.5 | 98.64 | 128.1 | 147.7 | 158.7 | 143.3 | 1142.3 |
| 2004-2005 | 117.8 | 92.64 | 55.81 | 35.55 | 38.66 | 42.05 | 76.76 | 97.87 | 128.5 | 144.5 | 156.8 | 144 | 1130.9 |
| 2005-2006 | 117.2 | 84.97 | 50.68 | 38.16 | 37.43 | 45.24 | 77.31 | 100.1 | 128.9 | 147.7 | 155.4 | 145.8 | 1128.9 |
| 2006-2007 | 116.9 | 87.11 | 50.65 | 34.5 | 36.52 | 44.1 | 75.46 | 94.95 | 129.8 | 149.2 | 158.9 | 144.7 | 1122.7 |
| 2007-2008 | 116.9 | 91.66 | 56.6 | 37.82 | 34.97 | 42.01 | 84.29 | 101.9 | 129.5 | 149.2 | 157.8 | 147.1 | 1149.9 |
| 2008-2009 | 115.4 | 87.02 | 57.99 | 39.32 | 39.62 | 45.6 | 74.84 | 98.01 | 128.3 | 150.1 | 157.1 | 144.4 | 1137.7 |
| 2009-2010 | 113.8 | 92.07 | 54.64 | 45.6 | 45.81 | 49.11 | 79.77 | 100 | 130 | 144.4 | 154 | 148.8 | 1158.0 |
| 2010-2011 | 118.3 | 90.24 | 61.16 | 44.77 | 40.02 | 45.25 | 76.18 | 95.47 | 125.9 | 145.4 | 156.2 | 145.4 | 1144.3 |
| 2011-2012 | 117.8 | 86.13 | 49.85 | 37.33 | 36.58 | 41.63 | 73.01 | 99 | 126.4 | 148.1 | 159.5 | 152.8 | 1128.1 |
| 2012-2013 | 122.6 | 96.03 | 63.81 | 44.74 | 43.27 | 51.47 | 83.2 | 105.4 | 137.8 | 151.8 | 161.3 | 152.1 | 1213.6 |
| 2013-2014 | 120.6 | 92.46 | 64.95 | 41.77 | 47.7 | 52.06 | 84.85 | 104.7 | 132 | 152.1 | 159.5 | 149.6 | 1202.4 |
| 2014-2015 | 120.2 | 92.7 | 59.62 | 47.87 | 42.14 | 47.86 | 82.77 | 100.4 | 135.1 | 147.9 | 161 | 151.9 | 1189.5 |
| AVERAGE | 115.9 | 88.8 | 54.8 | 38.5 | 38.1 | 43.7 | 75.5 | 97.4 | 128.7 | 146.5 | 156.0 | 144.8 | |

**Table A. 136** Tatlisu station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.2 | 79.6 | 37.2 | 30.6 | 28.9 | 34.8 | 50.8 | 74.3 | 114.1 | 166.6 | 192.1 | 165.4 | 1089.5 |
| 1979-1980 | 117.5 | 75.5 | 47.0 | 29.0 | 25.0 | 27.7 | 45.4 | 67.5 | 113.7 | 171.9 | 206.3 | 190.7 | 1117.2 |
| 1980-1981 | 109.5 | 76.2 | 44.2 | 28.7 | 26.8 | 30.7 | 48.7 | 74.1 | 103.4 | 179.4 | 198.4 | 160.7 | 1080.8 |
| 1981-1982 | 116.8 | 84.6 | 36.7 | 33.0 | 27.7 | 26.1 | 41.4 | 68.6 | 109.1 | 166.6 | 185.3 | 181.1 | 1077.0 |
| 1982-1983 | 124.1 | 74.1 | 35.6 | 26.3 | 23.2 | 27.2 | 45.4 | 71.1 | 121.3 | 154.1 | 203.7 | 174.2 | 1080.4 |
| 1983-1984 | 117.6 | 69.6 | 45.1 | 31.2 | 30.2 | 34.3 | 49.8 | 66.9 | 122.9 | 169.7 | 204.9 | 163.1 | 1105.3 |
| 1984-1985 | 99.1 | 77.5 | 35.6 | 26.6 | 29.2 | 27.0 | 45.4 | 74.3 | 130.6 | 168.1 | 204.6 | 183.6 | 1101.6 |
| 1985-1986 | 114.1 | 64.6 | 42.3 | 28.0 | 27.1 | 31.7 | 49.7 | 82.7 | 107.3 | 170.0 | 197.4 | 167.2 | 1081.9 |
| 1986-1987 | 121.4 | 68.6 | 33.5 | 26.8 | 24.7 | 32.9 | 38.7 | 65.9 | 110.5 | 153.2 | 212.2 | 177.2 | 1065.6 |
| 1987-1988 | 113.3 | 64.4 | 38.3 | 27.4 | 26.3 | 29.2 | 43.2 | 74.5 | 124.9 | 167.2 | 228.9 | 181.2 | 1118.8 |
| 1988-1989 | 118.3 | 67.2 | 33.9 | 27.3 | 23.8 | 29.6 | 50.5 | 96.3 | 130.8 | 158.2 | 206.5 | 172.6 | 1115.1 |
| 1989-1990 | 111.8 | 69.2 | 41.5 | 30.1 | 24.9 | 30.2 | 48.4 | 73.9 | 115.9 | 158.4 | 186.3 | 173.2 | 1063.8 |
| 1990-1991 | 107.4 | 73.8 | 42.0 | 29.9 | 26.4 | 28.1 | 51.2 | 72.3 | 106.5 | 162.8 | 180.6 | 158.9 | 1039.9 |
| 1991-1992 | 108.5 | 75.0 | 38.4 | 23.7 | 21.7 | 20.8 | 34.1 | 60.0 | 104.1 | 138.5 | 166.5 | 184.3 | 975.4 |
| 1992-1993 | 107.7 | 72.4 | 37.0 | 21.8 | 23.6 | 24.5 | 42.7 | 67.1 | 91.9 | 164.7 | 194.4 | 185.0 | 1032.8 |
| 1993-1994 | 114.5 | 90.2 | 35.4 | 28.2 | 27.6 | 29.2 | 45.1 | 77.4 | 118.8 | 161.7 | 185.5 | 172.3 | 1086.1 |
| 1994-1995 | 127.7 | 78.1 | 33.0 | 22.0 | 24.8 | 31.1 | 47.8 | 66.7 | 122.7 | 172.8 | 199.6 | 171.9 | 1098.3 |
| 1995-1996 | 110.1 | 69.1 | 32.0 | 25.0 | 23.3 | 29.1 | 43.2 | 61.9 | 125.8 | 169.4 | 205.5 | 174.6 | 1069.0 |
| 1996-1997 | 107.3 | 65.7 | 40.8 | 29.9 | 27.3 | 26.2 | 38.0 | 54.2 | 119.3 | 167.7 | 206.7 | 148.1 | 1031.2 |
| 1997-1998 | 103.4 | 67.4 | 40.6 | 27.2 | 24.1 | 29.1 | 44.7 | 79.1 | 115.3 | 178.0 | 224.4 | 201.2 | 1134.7 |
| 1998-1999 | 116.2 | 77.3 | 44.6 | 29.0 | 28.7 | 29.5 | 50.3 | 74.9 | 140.0 | 182.4 | 230.8 | 186.1 | 1189.7 |
| 1999-2000 | 125.4 | 80.1 | 43.7 | 32.9 | 24.5 | 30.2 | 45.5 | 76.0 | 120.6 | 180.6 | 227.8 | 189.5 | 1176.7 |
| 2000-2001 | 127.1 | 72.8 | 45.6 | 29.1 | 28.2 | 31.8 | 60.0 | 77.3 | 129.0 | 174.0 | 210.0 | 183.4 | 1168.1 |
| 2001-2002 | 118.7 | 74.2 | 39.3 | 26.9 | 23.1 | 32.3 | 50.2 | 66.2 | 108.7 | 169.5 | 213.3 | 178.2 | 1100.7 |
| 2002-2003 | 116.0 | 75.3 | 45.4 | 26.1 | 30.1 | 27.0 | 42.9 | 73.5 | 152.7 | 184.1 | 232.5 | 205.8 | 1211.3 |
| 2003-2004 | 121.5 | 82.8 | 44.5 | 28.9 | 26.9 | 30.3 | 54.9 | 77.4 | 119.6 | 179.3 | 227.4 | 177.0 | 1170.5 |
| 2004-2005 | 127.1 | 84.3 | 42.1 | 26.0 | 26.9 | 28.5 | 49.5 | 74.3 | 120.8 | 161.6 | 216.5 | 181.0 | 1138.4 |
| 2005-2006 | 124.3 | 67.3 | 35.8 | 28.0 | 26.3 | 32.2 | 52.3 | 82.1 | 120.8 | 178.5 | 206.2 | 191.3 | 1145.1 |
| 2006-2007 | 122.2 | 71.5 | 35.9 | 25.1 | 25.5 | 30.2 | 48.4 | 68.6 | 124.9 | 186.7 | 228.6 | 184.5 | 1152.1 |
| 2007-2008 | 123.7 | 82.3 | 42.9 | 28.2 | 24.4 | 28.2 | 62.2 | 84.0 | 123.9 | 184.6 | 220.8 | 198.0 | 1203.3 |
| 2008-2009 | 116.5 | 70.6 | 44.5 | 29.3 | 27.3 | 31.6 | 47.7 | 75.4 | 118.9 | 189.0 | 213.4 | 180.9 | 1145.1 |
| 2009-2010 | 111.0 | 82.0 | 40.4 | 35.8 | 34.2 | 36.3 | 54.9 | 79.8 | 116.9 | 149.4 | 175.5 | 179.0 | 1095.1 |
| 2010-2011 | 117.3 | 74.6 | 48.2 | 34.7 | 29.5 | 33.5 | 51.1 | 71.0 | 109.3 | 153.2 | 184.8 | 166.4 | 1073.6 |
| 2011-2012 | 114.7 | 68.4 | 35.8 | 29.4 | 27.4 | 30.4 | 47.0 | 75.0 | 110.6 | 162.4 | 199.7 | 174.6 | 1075.4 |
| 2012-2013 | 113.1 | 73.9 | 43.7 | 31.4 | 28.9 | 35.4 | 53.0 | 78.3 | 124.6 | 153.6 | 180.9 | 167.8 | 1084.5 |
| 2013-2014 | 108.6 | 66.3 | 45.6 | 27.9 | 32.3 | 35.2 | 55.6 | 77.1 | 111.3 | 154.3 | 176.9 | 164.7 | 1056.0 |
| 2014-2015 | 110.0 | 70.2 | 40.2 | 33.7 | 28.5 | 32.6 | 53.5 | 69.7 | 115.6 | 142.7 | 182.6 | 170.8 | 1050.1 |
| AVERAGE | 115.7 | 74.0 | 40.2 | 28.5 | 26.7 | 30.1 | 48.2 | 73.2 | 118.3 | 167.2 | 203.2 | 177.4 | |

**Table A. 137** Tatlisu station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 139.0 | 95.7 | 33.0 | 24.0 | 18.2 | 25.8 | 31.6 | 55.8 | 87.1 | 159.9 | 193.2 | 166.3 | 1029.8 |
| 1979-1980 | 143.4 | 88.6 | 53.4 | 20.9 | 11.6 | 12.4 | 23.5 | 45.7 | 87.0 | 167.4 | 211.5 | 197.0 | 1062.4 |
| 1980-1981 | 135.3 | 93.4 | 49.4 | 21.2 | 15.2 | 18.6 | 29.6 | 58.0 | 77.2 | 183.8 | 209.7 | 167.3 | 1058.7 |
| 1981-1982 | 151.9 | 112.5 | 34.2 | 30.8 | 17.2 | 10.5 | 18.8 | 50.6 | 86.6 | 171.3 | 197.9 | 197.9 | 1080.2 |
| 1982-1983 | 171.8 | 95.9 | 33.4 | 17.5 | 9.7 | 12.9 | 26.1 | 57.1 | 106.4 | 160.7 | 232.0 | 197.1 | 1120.7 |
| 1983-1984 | 138.4 | 74.9 | 47.8 | 24.4 | 19.9 | 24.1 | 29.1 | 43.3 | 94.9 | 158.8 | 202.4 | 158.4 | 1016.4 |
| 1984-1985 | 118.6 | 97.2 | 31.6 | 17.1 | 19.9 | 11.8 | 24.7 | 59.2 | 112.7 | 171.2 | 220.7 | 198.5 | 1083.5 |
| 1985-1986 | 143.9 | 71.3 | 45.5 | 19.9 | 15.7 | 20.5 | 31.4 | 72.1 | 82.4 | 172.2 | 209.4 | 176.3 | 1060.5 |
| 1986-1987 | 174.0 | 88.0 | 29.8 | 19.4 | 12.8 | 25.7 | 16.2 | 50.2 | 95.7 | 166.0 | 253.8 | 209.4 | 1141.0 |
| 1987-1988 | 142.2 | 70.7 | 36.8 | 18.5 | 14.4 | 15.6 | 21.2 | 58.7 | 104.5 | 168.0 | 248.4 | 193.4 | 1092.4 |
| 1988-1989 | 147.4 | 74.5 | 27.1 | 18.1 | 9.9 | 16.0 | 31.9 | 91.7 | 109.4 | 152.6 | 215.7 | 178.7 | 1073.0 |
| 1989-1990 | 145.2 | 83.3 | 45.4 | 25.0 | 12.3 | 18.3 | 30.4 | 60.1 | 96.7 | 162.4 | 202.3 | 190.6 | 1071.9 |
| 1990-1991 | 142.2 | 95.7 | 48.2 | 25.3 | 15.6 | 14.7 | 36.3 | 59.5 | 87.1 | 174.3 | 201.2 | 177.5 | 1077.6 |
| 1991-1992 | 189.2 | 128.9 | 52.1 | 16.3 | 9.4 | 4.1 | 12.1 | 50.4 | 108.0 | 180.8 | 236.6 | 275.0 | 1263.1 |
| 1992-1993 | 164.3 | 107.0 | 42.2 | 10.3 | 12.0 | 9.5 | 25.1 | 58.0 | 76.4 | 203.4 | 253.6 | 243.5 | 1205.3 |
| 1993-1994 | 143.5 | 119.7 | 30.7 | 20.2 | 16.5 | 15.7 | 23.8 | 63.2 | 96.4 | 159.9 | 192.5 | 181.5 | 1063.5 |
| 1994-1995 | 173.1 | 101.0 | 26.8 | 9.1 | 12.1 | 20.1 | 29.4 | 48.2 | 105.4 | 182.1 | 219.9 | 188.7 | 1116.1 |
| 1995-1996 | 156.4 | 91.3 | 27.1 | 15.9 | 10.5 | 17.8 | 24.1 | 44.3 | 119.6 | 195.0 | 250.5 | 210.8 | 1163.3 |
| 1996-1997 | 156.2 | 86.7 | 49.8 | 27.8 | 18.9 | 12.4 | 16.1 | 32.3 | 114.2 | 199.3 | 261.2 | 178.2 | 1153.2 |
| 1997-1998 | 122.1 | 74.7 | 40.9 | 17.9 | 10.3 | 15.2 | 22.8 | 64.7 | 90.5 | 178.1 | 237.2 | 212.5 | 1086.8 |
| 1998-1999 | 122.1 | 79.6 | 42.0 | 18.2 | 15.7 | 13.5 | 26.9 | 49.6 | 103.3 | 156.7 | 208.6 | 166.8 | 1002.9 |
| 1999-2000 | 138.4 | 86.1 | 41.4 | 25.5 | 9.7 | 15.0 | 21.0 | 52.3 | 85.3 | 158.5 | 210.6 | 174.2 | 1017.9 |
| 2000-2001 | 137.3 | 72.1 | 43.8 | 18.4 | 14.8 | 17.2 | 40.4 | 52.6 | 91.9 | 147.3 | 186.9 | 163.7 | 986.4 |
| 2001-2002 | 152.3 | 90.2 | 39.3 | 17.8 | 9.0 | 21.9 | 32.4 | 45.9 | 84.6 | 172.1 | 230.5 | 190.8 | 1086.7 |
| 2002-2003 | 122.4 | 76.6 | 43.7 | 13.4 | 17.9 | 9.8 | 17.3 | 47.8 | 116.5 | 159.2 | 211.2 | 187.1 | 1022.7 |
| 2003-2004 | 131.7 | 89.6 | 42.4 | 18.3 | 13.1 | 14.9 | 33.8 | 53.7 | 83.4 | 155.7 | 208.2 | 159.7 | 1004.6 |
| 2004-2005 | 151.1 | 99.6 | 41.1 | 14.5 | 14.0 | 13.1 | 28.4 | 53.4 | 91.2 | 146.8 | 212.9 | 176.9 | 1042.9 |
| 2005-2006 | 147.2 | 69.9 | 29.0 | 18.1 | 13.2 | 19.7 | 32.5 | 65.1 | 91.5 | 167.8 | 201.6 | 188.8 | 1044.5 |
| 2006-2007 | 149.3 | 80.1 | 30.3 | 13.5 | 12.3 | 16.7 | 27.7 | 46.9 | 99.4 | 183.8 | 235.5 | 187.7 | 1083.1 |
| 2007-2008 | 129.2 | 85.2 | 38.0 | 16.4 | 9.0 | 11.1 | 42.5 | 60.1 | 84.7 | 155.0 | 193.2 | 174.1 | 998.5 |
| 2008-2009 | 132.7 | 74.3 | 45.1 | 20.2 | 14.6 | 18.3 | 25.3 | 54.2 | 87.7 | 177.0 | 206.2 | 174.1 | 1029.7 |
| 2009-2010 | 121.3 | 92.0 | 36.4 | 31.8 | 25.8 | 26.6 | 35.2 | 59.3 | 83.7 | 126.9 | 158.4 | 168.3 | 965.7 |
| 2010-2011 | 140.2 | 85.2 | 54.8 | 31.8 | 19.1 | 22.7 | 31.7 | 50.1 | 80.1 | 140.5 | 181.2 | 164.9 | 1002.3 |
| 2011-2012 | 150.3 | 81.5 | 32.8 | 23.4 | 16.9 | 18.8 | 28.0 | 61.9 | 89.6 | 167.8 | 220.1 | 192.2 | 1083.4 |
| 2012-2013 | 132.3 | 83.2 | 45.2 | 25.0 | 17.8 | 26.4 | 34.4 | 60.6 | 97.6 | 139.8 | 174.9 | 165.3 | 1002.4 |
| 2013-2014 | 132.4 | 73.4 | 52.0 | 19.4 | 25.3 | 27.5 | 40.5 | 62.2 | 86.4 | 148.8 | 179.7 | 170.6 | 1018.2 |
| 2014-2015 | 139.1 | 83.7 | 41.7 | 32.1 | 18.7 | 22.8 | 38.3 | 52.1 | 94.6 | 137.2 | 193.2 | 183.9 | 1037.4 |
| AVERAGE | 144.0 | 87.9 | 40.1 | 20.5 | 14.8 | 17.2 | 28.1 | 55.4 | 94.3 | 165.1 | 212.5 | 186.2 | |

**Table A. 138** Tatlisu station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 186.9 | 180.5 | 140.5 | 138 | 130.2 | 122.4 | 138.6 | 148 | 169.9 | 186.9 | 203.2 | 202.1 | 1947.1 |
| 1979-1980 | 188.3 | 176.7 | 156.4 | 134.1 | 120.1 | 107.8 | 130.7 | 141.5 | 169.7 | 189.1 | 208.1 | 212.1 | 1934.7 |
| 1980-1981 | 183.4 | 177.4 | 152.3 | 133.5 | 124.9 | 114.5 | 135.6 | 147.8 | 163 | 192 | 205.4 | 200 | 1929.9 |
| 1981-1982 | 187.8 | 184.8 | 139.5 | 143.2 | 127.3 | 104.1 | 124.1 | 142.6 | 166.8 | 186.9 | 200.6 | 208.5 | 1916.3 |
| 1982-1983 | 192 | 175.5 | 137.6 | 127.2 | 114.9 | 106.7 | 130.6 | 145.1 | 174.3 | 181.6 | 207.3 | 205.7 | 1898.4 |
| 1983-1984 | 188.3 | 171 | 153.7 | 139.2 | 133.3 | 121.6 | 137.1 | 141 | 175.2 | 188.2 | 207.7 | 201.1 | 1957.4 |
| 1984-1985 | 176.6 | 178.6 | 137.6 | 127.9 | 131.2 | 106.3 | 130.6 | 148.1 | 179.5 | 187.6 | 207.6 | 209.5 | 1921.0 |
| 1985-1986 | 186.2 | 165.8 | 149.3 | 131.7 | 125.6 | 116.4 | 137.1 | 155.3 | 165.6 | 188.3 | 205.1 | 202.9 | 1929.2 |
| 1986-1987 | 190.4 | 170 | 133.3 | 128.6 | 119.2 | 118.8 | 119.5 | 139.9 | 167.7 | 181.2 | 210.1 | 207 | 1885.7 |
| 1987-1988 | 185.7 | 165.5 | 142.4 | 130 | 123.7 | 111.1 | 127.3 | 148.2 | 176.3 | 187.1 | 215.5 | 208.5 | 1921.5 |
| 1988-1989 | 188.7 | 168.5 | 134.2 | 129.9 | 116.5 | 112.1 | 138.1 | 165.7 | 179.6 | 183.4 | 208.3 | 205.1 | 1930.2 |
| 1989-1990 | 184.8 | 170.7 | 147.9 | 136.8 | 119.7 | 113.4 | 135.3 | 147.7 | 171 | 183.5 | 201.1 | 205.4 | 1917.2 |
| 1990-1991 | 182.1 | 175.1 | 148.8 | 136.1 | 124 | 108.8 | 139.2 | 146.3 | 165 | 185.3 | 198.8 | 199.3 | 1908.9 |
| 1991-1992 | 182.8 | 176.2 | 142.7 | 119.8 | 110 | 89.63 | 110.5 | 133.5 | 163.5 | 174.3 | 193.1 | 209.7 | 1805.7 |
| 1992-1993 | 182.2 | 173.9 | 140.2 | 113.9 | 116.1 | 100 | 126.3 | 141.1 | 154.7 | 186.1 | 204 | 210 | 1848.6 |
| 1993-1994 | 186.5 | 189.4 | 137.2 | 132.2 | 127 | 111.3 | 130.2 | 150.9 | 172.8 | 184.8 | 200.7 | 205 | 1927.8 |
| 1994-1995 | 193.9 | 179.1 | 132.4 | 114.8 | 119.3 | 115.3 | 134.4 | 140.8 | 175.1 | 189.4 | 205.9 | 204.8 | 1905.2 |
| 1995-1996 | 183.8 | 170.5 | 130.2 | 123.7 | 115 | 111.1 | 127.2 | 135.6 | 176.8 | 188 | 207.9 | 205.9 | 1875.8 |
| 1996-1997 | 182 | 167 | 146.8 | 136.2 | 126.2 | 104.5 | 118.1 | 126.6 | 173 | 187.4 | 208.3 | 194.3 | 1870.3 |
| 1997-1998 | 179.5 | 168.7 | 146.5 | 129.7 | 117.4 | 111.1 | 129.6 | 152.4 | 170.7 | 191.4 | 214.1 | 215.9 | 1927.0 |
| 1998-1999 | 187.5 | 178.4 | 152.8 | 134.1 | 129.9 | 111.9 | 137.8 | 148.7 | 184.3 | 193.1 | 216.1 | 210.4 | 1985.0 |
| 1999-2000 | 192.6 | 181 | 151.5 | 142.9 | 118.7 | 113.4 | 130.8 | 149.7 | 173.8 | 192.4 | 215.2 | 211.6 | 1973.6 |
| 2000-2001 | 193.6 | 174.2 | 154.5 | 134.4 | 128.5 | 116.7 | 150.3 | 150.7 | 178.6 | 189.9 | 209.4 | 209.3 | 1990.0 |
| 2001-2002 | 188.9 | 175.5 | 144.3 | 128.9 | 114.5 | 117.6 | 137.8 | 140.2 | 166.5 | 188.1 | 210.6 | 207.3 | 1920.2 |
| 2002-2003 | 187.3 | 176.6 | 154.2 | 126.5 | 133.1 | 106.3 | 126.6 | 147.3 | 190.5 | 193.7 | 216.6 | 217.5 | 1976.0 |
| 2003-2004 | 190.5 | 183.2 | 152.7 | 133.9 | 125.2 | 113.6 | 144.1 | 150.8 | 173.2 | 191.9 | 215.1 | 206.9 | 1981.1 |
| 2004-2005 | 193.6 | 184.5 | 148.9 | 126.3 | 125.1 | 109.6 | 136.9 | 148 | 173.9 | 184.9 | 211.6 | 208.4 | 1951.8 |
| 2005-2006 | 192 | 168.7 | 138 | 131.6 | 123.7 | 117.4 | 140.6 | 154.9 | 173.9 | 191.7 | 208.1 | 212.4 | 1953.1 |
| 2006-2007 | 190.9 | 172.9 | 138.2 | 124 | 121.5 | 113.4 | 135.1 | 142.6 | 176.3 | 194.7 | 215.5 | 209.8 | 1934.7 |
| 2007-2008 | 191.7 | 182.8 | 150.3 | 132.1 | 118.3 | 109 | 152.9 | 156.4 | 175.8 | 193.9 | 213 | 214.8 | 1991.1 |
| 2008-2009 | 187.7 | 172 | 152.7 | 134.8 | 126.3 | 116.3 | 134.2 | 149.1 | 172.9 | 195.6 | 210.6 | 208.4 | 1960.5 |
| 2009-2010 | 184.3 | 182.5 | 146.1 | 149 | 142.1 | 125.1 | 144.2 | 153 | 171.7 | 179.5 | 196.8 | 207.6 | 1981.9 |
| 2010-2011 | 188.1 | 175.9 | 158.2 | 146.8 | 131.8 | 119.9 | 139 | 145 | 166.9 | 181.2 | 200.5 | 202.5 | 1955.7 |
| 2011-2012 | 186.6 | 169.7 | 137.8 | 135 | 126.6 | 113.9 | 133.1 | 148.7 | 167.7 | 185.2 | 205.9 | 205.9 | 1916.2 |
| 2012-2013 | 185.6 | 175.2 | 151.4 | 139.7 | 130.2 | 123.5 | 141.6 | 151.6 | 176.2 | 181.4 | 198.9 | 203.1 | 1958.5 |
| 2013-2014 | 182.9 | 167.6 | 154.5 | 131.5 | 138.2 | 123.1 | 145 | 150.6 | 168.2 | 181.7 | 197.3 | 201.8 | 1942.3 |
| 2014-2015 | 183.7 | 171.6 | 145.8 | 144.7 | 129.4 | 118.2 | 142.3 | 143.7 | 170.9 | 176.3 | 199.6 | 204.4 | 1930.6 |
| AVERAGE | 187.0 | 175.1 | 145.5 | 132.5 | 124.4 | 112.9 | 134.4 | 146.7 | 172.2 | 187.0 | 206.9 | 206.9 | |

**Table A. 139** Tatlisu station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 143.5 | 66.67 | 47.28 | 44.07 | 42.82 | 43.72 | 54.44 | 120.3 | 148.1 | 168.8 | 180.4 | 168.9 | 1229.0 |
| 1979-1980 | 144.5 | 65.29 | 52.65 | 42.83 | 39.49 | 38.53 | 51.35 | 115 | 147.9 | 170.7 | 184.9 | 177.2 | 1230.4 |
| 1980-1981 | 140.8 | 65.52 | 51.24 | 42.63 | 41.08 | 40.9 | 53.27 | 120.2 | 142.1 | 173.3 | 182.4 | 167.2 | 1220.7 |
| 1981-1982 | 144.2 | 68.26 | 46.95 | 45.76 | 41.83 | 37.23 | 48.77 | 115.9 | 145.4 | 168.8 | 178.2 | 174.2 | 1215.5 |
| 1982-1983 | 147.4 | 64.81 | 46.28 | 40.62 | 37.76 | 38.1 | 51.33 | 117.9 | 151.9 | 164 | 184.1 | 171.9 | 1216.1 |
| 1983-1984 | 144.6 | 63.18 | 51.71 | 44.48 | 43.83 | 43.44 | 53.87 | 114.6 | 152.8 | 169.9 | 184.4 | 168 | 1234.8 |
| 1984-1985 | 135.6 | 65.96 | 46.3 | 40.86 | 43.13 | 37.96 | 51.31 | 120.4 | 156.5 | 169.3 | 184.4 | 175 | 1226.6 |
| 1985-1986 | 143 | 61.24 | 50.23 | 42.06 | 41.31 | 41.59 | 53.84 | 126.2 | 144.4 | 170 | 182.1 | 169.5 | 1225.5 |
| 1986-1987 | 146.2 | 62.79 | 44.84 | 41.07 | 39.2 | 42.45 | 46.91 | 113.7 | 146.2 | 163.6 | 186.7 | 172.9 | 1206.5 |
| 1987-1988 | 142.6 | 61.14 | 47.92 | 41.54 | 40.68 | 39.71 | 49.99 | 120.5 | 153.7 | 169 | 191.4 | 174.2 | 1232.4 |
| 1988-1989 | 144.9 | 62.26 | 45.16 | 41.51 | 38.34 | 40.04 | 54.28 | 134.7 | 156.6 | 165.6 | 184.9 | 171.4 | 1239.6 |
| 1989-1990 | 141.9 | 63.02 | 49.77 | 43.69 | 39.37 | 40.5 | 53.13 | 120 | 149.1 | 165.7 | 178.5 | 171.6 | 1216.3 |
| 1990-1991 | 139.8 | 64.68 | 50.07 | 43.5 | 40.77 | 38.85 | 54.68 | 118.9 | 143.9 | 167.4 | 176.6 | 166.5 | 1205.5 |
| 1991-1992 | 140.3 | 65.1 | 48.02 | 38.29 | 36.17 | 32.02 | 43.39 | 108.5 | 142.5 | 157.4 | 171.4 | 175.2 | 1158.4 |
| 1992-1993 | 140 | 64.21 | 47.16 | 36.39 | 38.16 | 35.73 | 49.63 | 114.7 | 134.9 | 168.1 | 181.1 | 175.4 | 1185.5 |
| 1993-1994 | 143.2 | 69.93 | 46.15 | 42.24 | 41.76 | 39.77 | 51.12 | 122.6 | 150.7 | 166.9 | 178.2 | 171.3 | 1223.9 |
| 1994-1995 | 148.9 | 66.17 | 44.53 | 36.65 | 39.26 | 41.17 | 52.79 | 114.4 | 152.6 | 171 | 182.8 | 171.1 | 1221.4 |
| 1995-1996 | 141.1 | 62.98 | 43.8 | 39.49 | 37.81 | 39.68 | 49.99 | 110.2 | 154.2 | 169.8 | 184.6 | 172 | 1205.7 |
| 1996-1997 | 139.8 | 61.66 | 49.39 | 43.51 | 41.5 | 37.31 | 46.43 | 102.9 | 150.9 | 169.2 | 185 | 162.4 | 1189.8 |
| 1997-1998 | 137.8 | 62.32 | 49.3 | 41.43 | 38.62 | 39.7 | 50.9 | 123.8 | 148.8 | 172.9 | 190.1 | 180.4 | 1236.2 |
| 1998-1999 | 143.9 | 65.91 | 51.44 | 42.84 | 42.71 | 40.01 | 54.16 | 120.8 | 160.7 | 174.3 | 191.9 | 175.8 | 1264.6 |
| 1999-2000 | 147.9 | 66.84 | 50.98 | 45.65 | 39.03 | 40.52 | 51.38 | 121.6 | 151.6 | 173.7 | 191.1 | 176.9 | 1257.2 |
| 2000-2001 | 148.6 | 64.32 | 51.96 | 42.94 | 42.25 | 41.72 | 59.06 | 122.5 | 155.7 | 171.4 | 186 | 174.9 | 1261.4 |
| 2001-2002 | 145.1 | 64.82 | 48.55 | 41.18 | 37.65 | 42.03 | 54.15 | 113.9 | 145.2 | 169.8 | 187 | 173.3 | 1222.6 |
| 2002-2003 | 143.9 | 65.21 | 51.86 | 40.43 | 43.76 | 37.98 | 49.75 | 119.7 | 166.1 | 174.9 | 192.4 | 181.7 | 1267.7 |
| 2003-2004 | 146.3 | 67.7 | 51.38 | 42.77 | 41.17 | 40.57 | 56.62 | 122.6 | 151 | 173.3 | 191 | 172.9 | 1257.3 |
| 2004-2005 | 148.6 | 68.17 | 50.1 | 40.34 | 41.14 | 39.18 | 53.75 | 120.3 | 151.6 | 166.9 | 187.9 | 174.2 | 1242.2 |
| 2005-2006 | 147.5 | 62.31 | 46.42 | 42.05 | 40.67 | 41.97 | 55.23 | 125.9 | 151.7 | 173 | 184.8 | 177.4 | 1248.9 |
| 2006-2007 | 146.6 | 63.86 | 46.48 | 39.59 | 39.95 | 40.52 | 53.1 | 115.9 | 153.7 | 175.8 | 191.3 | 175.3 | 1242.1 |
| 2007-2008 | 147.2 | 67.54 | 50.57 | 42.21 | 38.91 | 38.95 | 60.07 | 127.1 | 153.2 | 175.1 | 189.1 | 179.5 | 1269.6 |
| 2008-2009 | 144.1 | 63.53 | 51.38 | 43.07 | 41.53 | 41.58 | 52.7 | 121.1 | 150.7 | 176.6 | 187 | 174.1 | 1247.4 |
| 2009-2010 | 141.5 | 67.43 | 49.16 | 47.59 | 46.72 | 44.71 | 56.62 | 124.3 | 149.7 | 162.1 | 174.7 | 173.5 | 1238.1 |
| 2010-2011 | 144.4 | 64.99 | 53.22 | 46.89 | 43.33 | 42.85 | 54.63 | 117.8 | 145.5 | 163.6 | 178 | 169.2 | 1224.5 |
| 2011-2012 | 143.3 | 62.71 | 46.38 | 43.12 | 41.62 | 40.69 | 52.29 | 120.9 | 146.2 | 167.2 | 182.8 | 172 | 1219.3 |
| 2012-2013 | 142.5 | 64.73 | 50.95 | 44.63 | 42.81 | 44.13 | 55.64 | 123.2 | 153.6 | 163.8 | 176.6 | 169.7 | 1232.3 |
| 2013-2014 | 140.4 | 61.9 | 51.98 | 42 | 45.44 | 43.99 | 56.95 | 122.4 | 146.7 | 164.1 | 175.2 | 168.6 | 1219.6 |
| 2014-2015 | 141.1 | 63.4 | 49.06 | 46.22 | 42.55 | 42.23 | 55.9 | 116.8 | 149 | 159.2 | 177.2 | 170.8 | 1213.4 |
| AVERAGE | 143.6 | 64.7 | 48.9 | 42.3 | 40.9 | 40.3 | 52.8 | 119.2 | 150.1 | 168.8 | 183.7 | 172.9 | |

**Table A. 140** Tatlisu station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 117.6 | 94.14 | 53.97 | 43.33 | 42.64 | 49.71 | 77.72 | 97.83 | 126.9 | 146.5 | 154.8 | 143.2 | 1148.3 |
| 1979-1980 | 118.4 | 92.03 | 62.89 | 41.15 | 36.99 | 41.55 | 73.29 | 94.2 | 126.8 | 147.7 | 157.6 | 148.8 | 1141.4 |
| 1980-1981 | 115.6 | 92.42 | 60.58 | 40.8 | 39.7 | 45.29 | 76.08 | 97.72 | 123.1 | 149.3 | 156 | 142 | 1138.7 |
| 1981-1982 | 118.1 | 96.56 | 53.42 | 46.28 | 41 | 39.49 | 69.62 | 94.78 | 125.2 | 146.5 | 153.4 | 146.8 | 1131.1 |
| 1982-1983 | 120.4 | 91.33 | 52.33 | 37.29 | 34.06 | 40.91 | 73.27 | 96.2 | 129.4 | 143.5 | 157.1 | 145.2 | 1121.1 |
| 1983-1984 | 118.4 | 88.85 | 61.34 | 44.04 | 44.39 | 49.29 | 76.9 | 93.87 | 129.9 | 147.2 | 157.3 | 142.6 | 1154.1 |
| 1984-1985 | 111.8 | 93.06 | 52.35 | 37.69 | 43.19 | 40.68 | 73.27 | 97.87 | 132.3 | 146.9 | 157.3 | 147.3 | 1133.7 |
| 1985-1986 | 117.2 | 85.88 | 58.9 | 39.81 | 40.08 | 46.37 | 76.87 | 101.9 | 124.5 | 147.3 | 155.8 | 143.6 | 1138.3 |
| 1986-1987 | 119.6 | 88.24 | 49.93 | 38.07 | 36.49 | 47.72 | 67 | 93.26 | 125.7 | 143.3 | 158.7 | 145.9 | 1113.9 |
| 1987-1988 | 116.9 | 85.74 | 55.05 | 38.88 | 39 | 43.4 | 71.4 | 97.93 | 130.6 | 146.6 | 161.7 | 146.7 | 1134.0 |
| 1988-1989 | 118.6 | 87.42 | 50.45 | 38.83 | 35 | 43.93 | 77.47 | 107.7 | 132.4 | 144.5 | 157.6 | 144.9 | 1138.9 |
| 1989-1990 | 116.4 | 88.62 | 58.11 | 42.7 | 36.79 | 44.66 | 75.87 | 97.65 | 127.6 | 144.6 | 153.6 | 145 | 1131.6 |
| 1990-1991 | 114.9 | 91.13 | 58.63 | 42.31 | 39.17 | 42.09 | 78.05 | 96.85 | 124.2 | 145.6 | 152.3 | 141.6 | 1126.9 |
| 1991-1992 | 115.3 | 91.76 | 55.21 | 33.18 | 31.3 | 31.36 | 61.96 | 89.69 | 123.4 | 139.4 | 149.1 | 147.4 | 1069.1 |
| 1992-1993 | 115 | 90.43 | 53.78 | 29.87 | 34.74 | 37.19 | 70.87 | 93.96 | 118.4 | 146.1 | 155.2 | 147.6 | 1093.1 |
| 1993-1994 | 117.4 | 99.11 | 52.09 | 40.1 | 40.83 | 43.49 | 73.01 | 99.44 | 128.6 | 145.3 | 153.4 | 144.8 | 1137.5 |
| 1994-1995 | 121.5 | 93.38 | 49.42 | 30.35 | 36.56 | 45.72 | 75.38 | 93.76 | 129.9 | 147.9 | 156.3 | 144.7 | 1124.8 |
| 1995-1996 | 115.9 | 88.55 | 48.18 | 35.31 | 34.13 | 43.37 | 71.37 | 90.87 | 130.8 | 147.1 | 157.4 | 145.3 | 1108.4 |
| 1996-1997 | 114.8 | 86.55 | 57.47 | 42.34 | 40.42 | 39.68 | 66.27 | 85.82 | 128.7 | 146.8 | 157.7 | 138.8 | 1105.3 |
| 1997-1998 | 113.4 | 87.56 | 57.35 | 38.68 | 35.49 | 43.39 | 72.68 | 100.3 | 127.4 | 149 | 160.9 | 150.9 | 1137.1 |
| 1998-1999 | 117.9 | 92.98 | 60.88 | 41.17 | 42.46 | 43.85 | 77.31 | 98.2 | 135 | 149.9 | 162 | 147.8 | 1169.6 |
| 1999-2000 | 120.8 | 94.41 | 60.14 | 46.07 | 36.19 | 44.68 | 73.34 | 98.76 | 129.2 | 149.6 | 161.5 | 148.5 | 1163.2 |
| 2000-2001 | 121.3 | 90.59 | 61.78 | 41.35 | 41.67 | 46.54 | 84.3 | 99.34 | 131.8 | 148.2 | 158.3 | 147.2 | 1172.4 |
| 2001-2002 | 118.7 | 91.33 | 56.08 | 38.26 | 33.85 | 47.03 | 77.29 | 93.43 | 125.1 | 147.2 | 158.9 | 146.1 | 1133.3 |
| 2002-2003 | 117.8 | 91.93 | 61.62 | 36.91 | 44.25 | 40.69 | 71.01 | 97.41 | 138.5 | 150.3 | 162.3 | 151.8 | 1164.5 |
| 2003-2004 | 119.6 | 95.67 | 60.8 | 41.06 | 39.84 | 44.79 | 80.81 | 99.4 | 128.8 | 149.3 | 161.4 | 145.8 | 1167.4 |
| 2004-2005 | 121.3 | 96.39 | 58.67 | 36.8 | 39.81 | 42.56 | 76.77 | 97.82 | 129.2 | 145.3 | 159.5 | 146.7 | 1151.0 |
| 2005-2006 | 120.5 | 87.53 | 52.55 | 39.77 | 39.01 | 46.94 | 78.85 | 101.7 | 129.2 | 149.2 | 157.6 | 148.9 | 1151.7 |
| 2006-2007 | 119.8 | 89.9 | 52.66 | 35.48 | 37.76 | 44.7 | 75.78 | 94.77 | 130.5 | 150.8 | 161.7 | 147.5 | 1141.4 |
| 2007-2008 | 120.3 | 95.45 | 59.46 | 40.06 | 35.99 | 42.21 | 85.75 | 102.5 | 130.2 | 150.4 | 160.3 | 150.3 | 1173.0 |
| 2008-2009 | 118 | 89.4 | 60.78 | 41.56 | 40.47 | 46.33 | 75.27 | 98.42 | 128.6 | 151.4 | 158.9 | 146.7 | 1155.9 |
| 2009-2010 | 116.1 | 95.28 | 57.09 | 49.52 | 49.29 | 51.26 | 80.86 | 100.6 | 128 | 142.4 | 151.2 | 146.3 | 1167.9 |
| 2010-2011 | 118.3 | 91.59 | 63.86 | 48.27 | 43.53 | 48.33 | 77.98 | 96.13 | 125.3 | 143.3 | 153.2 | 143.4 | 1153.2 |
| 2011-2012 | 117.4 | 88.12 | 52.47 | 41.66 | 40.61 | 44.95 | 74.65 | 98.23 | 125.7 | 145.5 | 156.3 | 145.3 | 1131.0 |
| 2012-2013 | 116.9 | 91.19 | 60.09 | 44.32 | 42.63 | 50.35 | 79.44 | 99.85 | 130.5 | 143.4 | 152.4 | 143.7 | 1154.7 |
| 2013-2014 | 115.3 | 86.92 | 61.8 | 39.71 | 47.11 | 50.12 | 81.3 | 99.28 | 126 | 143.6 | 151.5 | 143 | 1145.7 |
| 2014-2015 | 115.8 | 89.18 | 56.94 | 47.1 | 42.18 | 47.35 | 79.8 | 95.41 | 127.5 | 140.6 | 152.8 | 144.4 | 1139.1 |
| AVERAGE | 117.7 | 91.1 | 56.7 | 40.3 | 39.4 | 44.4 | 75.4 | 97.1 | 128.2 | 146.5 | 156.8 | 145.9 | |

**Table A. 141** Vadili station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 111.2 | 77.7 | 37.7 | 31.3 | 28.3 | 35.5 | 54.5 | 77.7 | 123.3 | 180.4 | 211.7 | 167.9 | 1137.4 |
| 1979-1980 | 123.1 | 77.2 | 45.9 | 29.1 | 26.2 | 30.4 | 49.0 | 73.3 | 119.0 | 171.1 | 200.0 | 182.6 | 1126.8 |
| 1980-1981 | 112.3 | 76.8 | 46.0 | 30.5 | 28.0 | 31.8 | 54.3 | 78.2 | 109.4 | 176.3 | 206.9 | 181.7 | 1132.2 |
| 1981-1982 | 124.4 | 85.1 | 38.3 | 32.2 | 29.7 | 28.8 | 45.2 | 77.7 | 122.9 | 169.9 | 190.2 | 178.1 | 1122.4 |
| 1982-1983 | 127.1 | 78.5 | 38.4 | 27.9 | 25.4 | 29.5 | 47.5 | 75.7 | 125.4 | 159.8 | 196.7 | 170.6 | 1102.5 |
| 1983-1984 | 116.4 | 72.6 | 45.9 | 32.1 | 30.5 | 35.2 | 52.8 | 72.4 | 138.8 | 166.0 | 198.5 | 167.0 | 1128.3 |
| 1984-1985 | 109.2 | 72.3 | 39.2 | 27.1 | 30.7 | 28.7 | 51.1 | 77.2 | 130.8 | 167.7 | 196.8 | 222.1 | 1153.1 |
| 1985-1986 | 144.0 | 80.1 | 54.1 | 36.2 | 30.8 | 36.0 | 56.6 | 92.0 | 114.8 | 174.6 | 200.4 | 177.2 | 1196.8 |
| 1986-1987 | 124.9 | 72.2 | 36.8 | 28.8 | 30.2 | 35.8 | 42.5 | 70.5 | 115.1 | 165.6 | 209.1 | 179.4 | 1111.0 |
| 1987-1988 | 119.5 | 68.7 | 39.3 | 28.8 | 27.4 | 30.8 | 47.3 | 76.9 | 128.4 | 173.4 | 232.6 | 191.0 | 1164.2 |
| 1988-1989 | 122.4 | 71.5 | 36.3 | 28.1 | 24.4 | 29.9 | 52.3 | 95.1 | 135.1 | 165.1 | 210.7 | 172.7 | 1143.6 |
| 1989-1990 | 117.6 | 69.0 | 42.1 | 29.4 | 25.4 | 31.3 | 51.8 | 78.7 | 125.8 | 168.9 | 202.1 | 180.8 | 1122.9 |
| 1990-1991 | 116.8 | 79.3 | 46.1 | 31.6 | 27.8 | 30.8 | 55.1 | 79.8 | 123.5 | 171.2 | 200.9 | 177.4 | 1140.3 |
| 1991-1992 | 119.2 | 77.7 | 41.0 | 25.4 | 23.7 | 24.6 | 43.2 | 73.3 | 112.7 | 159.0 | 188.8 | 183.6 | 1072.1 |
| 1992-1993 | 115.9 | 79.3 | 41.2 | 24.8 | 25.8 | 27.7 | 50.7 | 75.4 | 113.1 | 178.4 | 210.8 | 187.4 | 1130.4 |
| 1993-1994 | 121.2 | 92.5 | 40.3 | 32.5 | 32.4 | 33.7 | 52.9 | 82.7 | 130.3 | 181.6 | 206.3 | 192.8 | 1199.0 |
| 1994-1995 | 139.4 | 91.2 | 41.0 | 27.4 | 29.5 | 34.7 | 53.8 | 73.4 | 126.0 | 176.3 | 205.5 | 178.4 | 1176.6 |
| 1995-1996 | 120.3 | 71.5 | 34.3 | 27.7 | 27.2 | 33.0 | 47.9 | 68.1 | 128.1 | 174.4 | 204.5 | 179.2 | 1116.2 |
| 1996-1997 | 113.3 | 66.7 | 44.9 | 33.4 | 30.3 | 28.8 | 46.0 | 65.6 | 123.8 | 170.5 | 208.3 | 159.5 | 1091.2 |
| 1997-1998 | 109.2 | 71.6 | 43.3 | 30.2 | 27.7 | 33.2 | 47.5 | 81.5 | 120.4 | 174.8 | 211.6 | 195.1 | 1146.2 |
| 1998-1999 | 122.1 | 79.8 | 47.6 | 31.6 | 31.2 | 34.7 | 55.7 | 79.7 | 142.9 | 171.1 | 220.7 | 190.0 | 1207.1 |
| 1999-2000 | 126.4 | 80.1 | 43.1 | 32.7 | 25.8 | 31.9 | 48.7 | 79.7 | 127.8 | 194.1 | 224.7 | 186.8 | 1201.9 |
| 2000-2001 | 121.1 | 72.9 | 43.8 | 29.9 | 29.7 | 33.3 | 60.9 | 82.0 | 130.2 | 177.2 | 206.2 | 182.2 | 1169.5 |
| 2001-2002 | 118.7 | 77.2 | 41.4 | 29.8 | 26.1 | 35.5 | 55.4 | 75.4 | 123.2 | 181.8 | 221.4 | 183.2 | 1169.1 |
| 2002-2003 | 117.7 | 77.0 | 45.0 | 28.1 | 31.7 | 28.3 | 44.4 | 71.9 | 143.7 | 179.3 | 223.3 | 195.5 | 1186.0 |
| 2003-2004 | 120.9 | 79.7 | 44.1 | 31.0 | 27.5 | 31.3 | 53.7 | 77.6 | 119.3 | 171.1 | 213.2 | 180.5 | 1150.0 |
| 2004-2005 | 120.6 | 84.2 | 43.4 | 29.1 | 30.7 | 31.8 | 53.0 | 79.8 | 125.0 | 167.9 | 208.7 | 181.7 | 1155.8 |
| 2005-2006 | 123.4 | 70.4 | 38.3 | 30.6 | 27.4 | 32.6 | 52.3 | 81.8 | 130.0 | 182.0 | 212.8 | 191.6 | 1173.2 |
| 2006-2007 | 130.1 | 77.4 | 38.8 | 28.8 | 27.3 | 32.9 | 51.1 | 73.9 | 131.1 | 187.7 | 223.3 | 189.3 | 1191.7 |
| 2007-2008 | 123.1 | 82.3 | 44.1 | 29.0 | 26.1 | 30.5 | 61.3 | 87.0 | 126.5 | 189.0 | 218.8 | 194.5 | 1212.3 |
| 2008-2009 | 123.0 | 78.0 | 48.4 | 31.0 | 30.7 | 33.7 | 49.7 | 79.0 | 126.4 | 194.6 | 222.2 | 193.2 | 1209.8 |
| 2009-2010 | 119.7 | 87.2 | 43.9 | 33.3 | 32.0 | 35.6 | 57.8 | 85.6 | 132.1 | 160.9 | 190.2 | 190.1 | 1168.4 |
| 2010-2011 | 120.3 | 73.5 | 44.0 | 31.8 | 27.4 | 30.2 | 47.1 | 69.0 | 112.2 | 163.5 | 198.3 | 176.0 | 1093.2 |
| 2011-2012 | 115.7 | 65.2 | 33.7 | 26.5 | 25.0 | 26.9 | 44.0 | 75.8 | 115.7 | 173.0 | 216.5 | 185.0 | 1102.9 |
| 2012-2013 | 115.9 | 73.1 | 42.9 | 28.9 | 26.2 | 32.0 | 51.6 | 78.8 | 132.8 | 170.1 | 198.7 | 182.5 | 1133.5 |
| 2013-2014 | 112.2 | 65.9 | 44.3 | 26.3 | 30.4 | 32.5 | 53.4 | 79.3 | 116.6 | 169.6 | 194.4 | 176.3 | 1101.2 |
| 2014-2015 | 113.8 | 68.5 | 37.8 | 31.1 | 25.7 | 29.6 | 50.0 | 69.5 | 122.4 | 154.6 | 196.3 | 184.3 | 1083.9 |
| AVERAGE | 120.3 | 76.3 | 42.1 | 29.8 | 28.2 | 31.7 | 51.1 | 77.6 | 125.0 | 173.3 | 207.6 | 183.4 | |

**Table A. 142** Vadili station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 132.3 | 88.9 | 33.2 | 24.3 | 16.1 | 25.6 | 36.3 | 69.4 | 102.3 | 184.0 | 217.4 | 176.1 | 1105.7 |
| 1979-1980 | 157.8 | 91.0 | 52.5 | 20.6 | 13.0 | 16.4 | 28.5 | 62.9 | 99.8 | 177.2 | 209.7 | 202.1 | 1131.4 |
| 1980-1981 | 134.6 | 87.6 | 51.2 | 22.7 | 15.6 | 18.5 | 36.0 | 70.7 | 83.9 | 179.0 | 212.1 | 194.8 | 1106.7 |
| 1981-1982 | 159.6 | 105.4 | 35.5 | 27.0 | 19.0 | 13.5 | 22.3 | 71.9 | 104.9 | 175.0 | 196.2 | 195.5 | 1125.9 |
| 1982-1983 | 176.7 | 100.0 | 38.4 | 19.5 | 12.4 | 15.9 | 27.9 | 73.3 | 116.2 | 172.4 | 219.9 | 198.9 | 1171.6 |
| 1983-1984 | 138.4 | 78.1 | 49.8 | 25.5 | 19.7 | 24.5 | 32.9 | 57.4 | 120.5 | 161.0 | 197.0 | 171.6 | 1076.5 |
| 1984-1985 | 131.7 | 80.8 | 37.1 | 16.6 | 20.7 | 13.3 | 31.4 | 70.0 | 114.6 | 170.1 | 202.8 | 249.9 | 1138.9 |
| 1985-1986 | 152.6 | 76.4 | 56.1 | 28.2 | 16.9 | 21.6 | 32.5 | 79.4 | 74.7 | 143.8 | 166.3 | 154.5 | 1003.2 |
| 1986-1987 | 168.9 | 85.5 | 34.0 | 21.1 | 21.1 | 28.5 | 19.3 | 60.1 | 98.9 | 177.6 | 232.3 | 207.3 | 1154.4 |
| 1987-1988 | 148.7 | 73.5 | 36.9 | 19.8 | 14.8 | 16.9 | 25.2 | 68.9 | 110.6 | 177.0 | 246.7 | 209.2 | 1148.1 |
| 1988-1989 | 156.4 | 80.3 | 31.2 | 18.6 | 10.0 | 15.6 | 33.8 | 110.2 | 121.7 | 168.4 | 223.3 | 188.4 | 1157.8 |
| 1989-1990 | 151.2 | 77.1 | 44.9 | 21.6 | 11.9 | 18.5 | 33.6 | 75.8 | 111.2 | 177.4 | 216.6 | 203.5 | 1143.3 |
| 1990-1991 | 138.1 | 89.4 | 49.9 | 24.2 | 14.8 | 16.2 | 36.3 | 71.6 | 99.9 | 166.7 | 198.4 | 183.7 | 1089.2 |
| 1991-1992 | 179.6 | 109.1 | 49.4 | 16.1 | 10.6 | 8.2 | 23.1 | 76.0 | 107.7 | 189.8 | 231.2 | 240.9 | 1241.9 |
| 1992-1993 | 151.7 | 99.2 | 43.7 | 13.0 | 12.9 | 12.2 | 32.5 | 70.5 | 95.5 | 195.9 | 233.6 | 217.6 | 1178.3 |
| 1993-1994 | 129.1 | 100.1 | 33.4 | 23.2 | 20.4 | 19.0 | 29.1 | 67.9 | 97.1 | 160.6 | 182.6 | 181.0 | 1043.4 |
| 1994-1995 | 165.0 | 104.1 | 36.8 | 15.4 | 16.8 | 22.1 | 32.2 | 55.2 | 97.5 | 164.1 | 192.9 | 175.0 | 1077.1 |
| 1995-1996 | 163.6 | 85.9 | 28.9 | 19.1 | 15.7 | 23.0 | 28.5 | 56.2 | 119.9 | 194.5 | 230.4 | 211.0 | 1176.7 |
| 1996-1997 | 150.8 | 76.3 | 53.8 | 31.7 | 21.7 | 14.5 | 25.5 | 51.1 | 113.8 | 189.0 | 236.2 | 182.5 | 1146.9 |
| 1997-1998 | 129.7 | 78.2 | 45.4 | 22.3 | 15.2 | 21.1 | 25.3 | 77.8 | 98.9 | 177.4 | 218.5 | 212.6 | 1122.5 |
| 1998-1999 | 128.3 | 79.1 | 46.4 | 21.3 | 18.3 | 20.4 | 32.5 | 61.5 | 109.7 | 145.8 | 194.9 | 175.0 | 1033.1 |
| 1999-2000 | 143.5 | 84.9 | 40.6 | 24.8 | 10.8 | 17.0 | 24.6 | 66.1 | 98.6 | 184.0 | 212.3 | 182.8 | 1090.1 |
| 2000-2001 | 137.7 | 74.1 | 42.5 | 19.9 | 17.2 | 19.7 | 43.3 | 71.7 | 103.3 | 166.0 | 194.6 | 180.4 | 1070.5 |
| 2001-2002 | 138.7 | 84.2 | 39.1 | 20.5 | 11.9 | 24.5 | 36.0 | 61.4 | 97.8 | 177.7 | 219.4 | 187.8 | 1099.0 |
| 2002-2003 | 136.6 | 83.5 | 46.5 | 17.2 | 21.2 | 11.7 | 19.6 | 54.7 | 123.3 | 174.0 | 221.0 | 202.1 | 1111.5 |
| 2003-2004 | 144.9 | 90.1 | 45.6 | 23.1 | 14.3 | 17.0 | 34.1 | 67.2 | 94.5 | 166.6 | 213.5 | 187.7 | 1098.6 |
| 2004-2005 | 140.9 | 95.8 | 42.9 | 19.0 | 19.4 | 17.5 | 32.1 | 69.6 | 99.6 | 158.6 | 203.3 | 184.8 | 1083.5 |
| 2005-2006 | 147.5 | 72.9 | 33.2 | 22.2 | 14.0 | 19.1 | 31.4 | 74.9 | 107.4 | 179.6 | 211.1 | 199.8 | 1113.1 |
| 2006-2007 | 154.9 | 83.4 | 33.3 | 18.3 | 13.6 | 19.4 | 29.1 | 57.7 | 106.4 | 182.9 | 218.7 | 192.6 | 1110.2 |
| 2007-2008 | 134.2 | 85.7 | 41.2 | 17.4 | 11.0 | 14.1 | 41.8 | 77.1 | 94.2 | 172.3 | 199.4 | 185.9 | 1074.4 |
| 2008-2009 | 132.6 | 78.0 | 48.9 | 20.8 | 17.8 | 19.1 | 24.8 | 61.7 | 93.1 | 177.0 | 201.0 | 182.5 | 1057.5 |
| 2009-2010 | 129.0 | 93.3 | 40.8 | 25.1 | 20.0 | 22.6 | 36.7 | 74.4 | 100.6 | 138.1 | 167.4 | 180.7 | 1028.6 |
| 2010-2011 | 162.7 | 89.4 | 51.2 | 27.9 | 15.9 | 17.2 | 26.9 | 57.8 | 96.0 | 176.8 | 220.4 | 205.2 | 1147.4 |
| 2011-2012 | 169.1 | 79.5 | 30.1 | 18.1 | 12.8 | 12.1 | 24.1 | 80.8 | 110.5 | 209.7 | 269.1 | 238.6 | 1254.5 |
| 2012-2013 | 143.7 | 82.3 | 45.2 | 20.1 | 12.8 | 19.2 | 32.2 | 73.5 | 117.4 | 173.8 | 205.7 | 199.6 | 1125.5 |
| 2013-2014 | 144.6 | 72.5 | 51.0 | 15.9 | 21.3 | 21.3 | 37.2 | 79.0 | 100.4 | 182.3 | 210.7 | 201.6 | 1137.7 |
| 2014-2015 | 158.6 | 83.5 | 38.7 | 27.8 | 13.6 | 16.9 | 33.7 | 62.4 | 116.6 | 171.7 | 229.0 | 228.2 | 1180.6 |
| AVERAGE | 147.7 | 85.9 | 42.2 | 21.3 | 15.8 | 18.2 | 30.6 | 68.9 | 104.3 | 174.0 | 212.3 | 196.5 | |

**Table A. 143** Vadili station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 184.6 | 178.9 | 141.5 | 139.5 | 128.9 | 123.8 | 143.7 | 151.2 | 175.5 | 192.5 | 210.1 | 203.3 | 1973.5 |
| 1979-1980 | 191.4 | 178.4 | 155 | 134.4 | 123.5 | 113.8 | 136.2 | 147.2 | 173 | 188.9 | 206.2 | 209.2 | 1957.1 |
| 1980-1981 | 185.2 | 178.1 | 155.2 | 137.6 | 128.1 | 116.8 | 143.3 | 151.6 | 167 | 190.9 | 208.5 | 208.8 | 1971.4 |
| 1981-1982 | 192.2 | 185.2 | 142.6 | 141.6 | 132.2 | 110.4 | 130.4 | 151.2 | 175.3 | 188.4 | 202.6 | 207.4 | 1959.6 |
| 1982-1983 | 193.7 | 179.6 | 142.8 | 131.3 | 121.2 | 112 | 134 | 149.4 | 176.7 | 184.2 | 204.9 | 204.4 | 1934.2 |
| 1983-1984 | 187.7 | 174.1 | 155 | 141.4 | 134.2 | 123.2 | 141.5 | 146.4 | 183.9 | 186.7 | 205.6 | 202.9 | 1982.5 |
| 1984-1985 | 183.4 | 173.8 | 144.2 | 129.5 | 134.6 | 110.3 | 139 | 150.8 | 179.6 | 187.5 | 205 | 223 | 1960.7 |
| 1985-1986 | 202.2 | 181.1 | 166.1 | 149.8 | 134.8 | 124.6 | 146.3 | 162.7 | 170.4 | 190.2 | 206.3 | 207 | 2041.6 |
| 1986-1987 | 192.5 | 173.7 | 140 | 133.8 | 133.5 | 124.3 | 126 | 144.6 | 170.7 | 186.6 | 209.3 | 208 | 1942.9 |
| 1987-1988 | 189.5 | 170.2 | 144.3 | 133.8 | 126.6 | 114.7 | 133.7 | 150.5 | 178.3 | 189.8 | 216.8 | 212.4 | 1960.6 |
| 1988-1989 | 191.1 | 173.1 | 138.9 | 132 | 118.3 | 112.9 | 140.8 | 165 | 181.9 | 186.4 | 209.8 | 205.3 | 1955.5 |
| 1989-1990 | 188.4 | 170.5 | 149.1 | 135.1 | 121.4 | 115.8 | 140.1 | 152 | 176.9 | 188 | 206.9 | 208.5 | 1952.6 |
| 1990-1991 | 187.9 | 180.3 | 155.3 | 140.2 | 127.5 | 114.8 | 144.5 | 153.1 | 175.6 | 188.9 | 206.4 | 207.2 | 1981.5 |
| 1991-1992 | 189.3 | 178.8 | 147.3 | 124.9 | 116.5 | 100.3 | 127.2 | 147.2 | 169.2 | 183.9 | 202.1 | 209.6 | 1896.2 |
| 1992-1993 | 187.4 | 180.3 | 147.5 | 123.1 | 122.5 | 107.9 | 138.5 | 149.2 | 169.4 | 191.7 | 209.8 | 211 | 1938.4 |
| 1993-1994 | 190.4 | 191.1 | 146.1 | 142.2 | 138.4 | 120.3 | 141.5 | 155.4 | 179.4 | 192.9 | 208.3 | 213.1 | 2019.2 |
| 1994-1995 | 200 | 190.2 | 147.2 | 130.1 | 131.9 | 122.3 | 142.7 | 147.3 | 177 | 191 | 208 | 207.6 | 1995.2 |
| 1995-1996 | 189.9 | 173.1 | 135.1 | 130.9 | 126.2 | 119.2 | 134.5 | 142.2 | 178.2 | 190.1 | 207.7 | 207.9 | 1935.1 |
| 1996-1997 | 185.8 | 168.2 | 153.4 | 144 | 133.7 | 110.3 | 131.7 | 139.7 | 175.8 | 188.6 | 209 | 199.7 | 1940.0 |
| 1997-1998 | 183.3 | 173.1 | 151 | 137.1 | 127.4 | 119.5 | 134 | 154.5 | 173.8 | 190.3 | 210.1 | 213.9 | 1968.0 |
| 1998-1999 | 191 | 180.8 | 157.5 | 140.3 | 135.9 | 122.3 | 145.2 | 153 | 185.9 | 188.8 | 213.1 | 211.9 | 2025.6 |
| 1999-2000 | 193.3 | 181 | 150.7 | 142.7 | 122.3 | 117 | 135.7 | 152.9 | 178 | 197.5 | 214.4 | 210.8 | 1996.3 |
| 2000-2001 | 190.3 | 174.3 | 151.7 | 136.4 | 132.4 | 119.7 | 151.5 | 154.9 | 179.4 | 191.2 | 208.3 | 209.1 | 1999.2 |
| 2001-2002 | 189 | 178.4 | 147.9 | 136.2 | 123.3 | 123.8 | 144.7 | 149.2 | 175.4 | 193 | 213.3 | 209.5 | 1983.7 |
| 2002-2003 | 188.4 | 178.2 | 153.7 | 131.9 | 136.9 | 109.4 | 129.2 | 145.9 | 186.3 | 192.1 | 213.9 | 214 | 1979.9 |
| 2003-2004 | 190.3 | 180.7 | 152.3 | 138.9 | 126.7 | 115.7 | 142.7 | 151.2 | 173.2 | 188.9 | 210.6 | 208.3 | 1979.6 |
| 2004-2005 | 190.1 | 184.5 | 151 | 134.5 | 134.7 | 116.7 | 141.6 | 153 | 176.5 | 187.6 | 209.1 | 208.8 | 1988.2 |
| 2005-2006 | 191.7 | 171.9 | 142.7 | 138.1 | 126.6 | 118.2 | 140.7 | 154.7 | 179.2 | 193.1 | 210.5 | 212.6 | 1980.0 |
| 2006-2007 | 195.3 | 178.6 | 143.4 | 133.7 | 126.5 | 119 | 139.1 | 147.8 | 179.8 | 195.2 | 213.9 | 211.7 | 1984.1 |
| 2007-2008 | 191.5 | 182.9 | 152.2 | 134.1 | 123.3 | 114.1 | 151.9 | 159 | 177.3 | 195.6 | 212.5 | 213.7 | 2008.2 |
| 2008-2009 | 191.4 | 179.1 | 158.5 | 139 | 134.6 | 120.4 | 137.1 | 152.3 | 177.3 | 197.7 | 213.5 | 213.2 | 2014.1 |
| 2009-2010 | 189.6 | 187 | 152 | 144 | 137.4 | 123.9 | 147.9 | 157.8 | 180.4 | 184.7 | 202.6 | 212 | 2019.1 |
| 2010-2011 | 189.9 | 175 | 152 | 140.7 | 126.6 | 113.5 | 133.3 | 143.1 | 168.9 | 185.7 | 205.5 | 206.6 | 1940.8 |
| 2011-2012 | 187.2 | 166.5 | 133.9 | 127.7 | 120.3 | 106.1 | 128.6 | 149.6 | 171 | 189.6 | 211.7 | 210.1 | 1902.2 |
| 2012-2013 | 187.4 | 174.5 | 150.3 | 134 | 123.4 | 117.1 | 139.8 | 152.2 | 180.7 | 188.5 | 205.7 | 209.1 | 1962.8 |
| 2013-2014 | 185.2 | 167.2 | 152.6 | 127.3 | 134 | 118.1 | 142.2 | 152.6 | 171.6 | 188.2 | 204.1 | 206.7 | 1949.8 |
| 2014-2015 | 186.1 | 170 | 141.7 | 139.2 | 122.2 | 112.3 | 137.6 | 143.6 | 175 | 181.9 | 204.8 | 209.8 | 1924.4 |
| AVERAGE | 189.8 | 177.4 | 148.7 | 136.0 | 128.4 | 116.3 | 138.9 | 150.9 | 176.3 | 189.6 | 208.7 | 209.4 | |

**Table A. 144** Vadili station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 141.6 | 66.04 | 47.61 | 44.53 | 42.38 | 44.22 | 56.41 | 122.8 | 152.9 | 173.7 | 186.5 | 169.7 | 1248.6 |
| 1979-1980 | 146.9 | 65.86 | 52.11 | 42.9 | 40.61 | 40.63 | 53.48 | 119.6 | 150.7 | 170.4 | 182.9 | 174.7 | 1240.9 |
| 1980-1981 | 142.1 | 65.75 | 52.18 | 43.95 | 42.12 | 41.7 | 56.28 | 123.2 | 145.5 | 172.3 | 185.1 | 174.4 | 1244.6 |
| 1981-1982 | 147.5 | 68.39 | 47.95 | 45.2 | 43.46 | 39.43 | 51.19 | 122.8 | 152.8 | 170 | 179.8 | 173.2 | 1241.7 |
| 1982-1983 | 148.6 | 66.29 | 48.02 | 41.93 | 39.83 | 40 | 52.6 | 121.4 | 154 | 166.2 | 181.9 | 170.7 | 1231.5 |
| 1983-1984 | 144 | 64.26 | 52.12 | 45.13 | 44.13 | 44.02 | 55.54 | 118.9 | 160.2 | 168.5 | 182.5 | 169.4 | 1248.8 |
| 1984-1985 | 140.7 | 64.18 | 48.5 | 41.35 | 44.23 | 39.39 | 54.61 | 122.5 | 156.6 | 169.2 | 181.9 | 186.2 | 1249.3 |
| 1985-1986 | 155.2 | 66.84 | 55.88 | 47.82 | 44.32 | 44.5 | 57.46 | 132.2 | 148.5 | 171.7 | 183 | 172.9 | 1280.3 |
| 1986-1987 | 147.7 | 64.11 | 47.05 | 42.7 | 43.9 | 44.4 | 49.47 | 117.4 | 148.7 | 168.4 | 185.7 | 173.7 | 1233.3 |
| 1987-1988 | 145.4 | 62.82 | 48.52 | 42.72 | 41.62 | 40.97 | 52.48 | 122.3 | 155.4 | 171.2 | 192.4 | 177.3 | 1253.2 |
| 1988-1989 | 146.6 | 63.89 | 46.71 | 42.13 | 38.88 | 40.32 | 55.28 | 134 | 158.5 | 168.2 | 186.2 | 171.4 | 1252.2 |
| 1989-1990 | 144.6 | 62.95 | 50.14 | 43.12 | 39.89 | 41.34 | 54.99 | 123.5 | 154.2 | 169.6 | 183.6 | 174.1 | 1242.0 |
| 1990-1991 | 144.2 | 66.57 | 52.22 | 44.76 | 41.92 | 40.98 | 56.72 | 124.3 | 153 | 170.4 | 183.2 | 173 | 1251.4 |
| 1991-1992 | 145.2 | 66.04 | 49.53 | 39.85 | 38.29 | 35.82 | 49.94 | 119.6 | 147.4 | 165.9 | 179.3 | 175 | 1211.9 |
| 1992-1993 | 143.8 | 66.57 | 49.6 | 39.31 | 40.25 | 38.54 | 54.37 | 121.2 | 147.6 | 173 | 186.2 | 176.2 | 1236.6 |
| 1993-1994 | 146.1 | 70.57 | 49.12 | 45.4 | 45.5 | 42.99 | 55.55 | 126.3 | 156.3 | 174.1 | 184.9 | 177.9 | 1274.7 |
| 1994-1995 | 153.5 | 70.2 | 49.5 | 41.56 | 43.36 | 43.69 | 56.02 | 119.6 | 154.2 | 172.3 | 184.6 | 173.3 | 1261.9 |
| 1995-1996 | 145.7 | 63.89 | 45.4 | 41.79 | 41.47 | 42.56 | 52.81 | 115.5 | 155.3 | 171.6 | 184.3 | 173.6 | 1233.9 |
| 1996-1997 | 142.6 | 62.08 | 51.59 | 46 | 43.96 | 39.4 | 51.72 | 113.5 | 153.2 | 170.2 | 185.5 | 166.7 | 1226.4 |
| 1997-1998 | 140.7 | 63.9 | 50.78 | 43.76 | 41.87 | 42.65 | 52.6 | 125.5 | 151.5 | 171.7 | 186.5 | 178.6 | 1250.0 |
| 1998-1999 | 146.5 | 66.73 | 52.95 | 44.8 | 44.65 | 43.69 | 56.98 | 124.3 | 162 | 170.4 | 189.1 | 177 | 1279.1 |
| 1999-2000 | 148.3 | 66.84 | 50.67 | 45.55 | 40.21 | 41.79 | 53.29 | 124.3 | 155.1 | 178.2 | 190.2 | 176 | 1270.5 |
| 2000-2001 | 146.1 | 64.37 | 51.01 | 43.54 | 43.5 | 42.76 | 59.47 | 125.8 | 156.3 | 172.6 | 184.8 | 174.6 | 1264.8 |
| 2001-2002 | 145.1 | 65.87 | 49.73 | 43.47 | 40.52 | 44.2 | 56.84 | 121.1 | 152.9 | 174.2 | 189.3 | 174.9 | 1258.0 |
| 2002-2003 | 144.6 | 65.79 | 51.66 | 42.12 | 45 | 39.05 | 50.73 | 118.5 | 162.4 | 173.3 | 189.8 | 178.7 | 1261.7 |
| 2003-2004 | 146 | 66.7 | 51.21 | 44.35 | 41.66 | 41.29 | 56 | 122.8 | 150.9 | 170.4 | 186.9 | 174 | 1252.3 |
| 2004-2005 | 145.9 | 68.14 | 50.8 | 42.93 | 44.26 | 41.69 | 55.61 | 124.3 | 153.8 | 169.3 | 185.6 | 174.4 | 1256.6 |
| 2005-2006 | 147.1 | 63.47 | 47.98 | 44.09 | 41.6 | 42.23 | 55.23 | 125.7 | 156.2 | 174.2 | 186.8 | 177.5 | 1262.1 |
| 2006-2007 | 149.9 | 65.94 | 48.22 | 42.67 | 41.56 | 42.49 | 54.63 | 120 | 156.7 | 176.1 | 189.8 | 176.8 | 1264.8 |
| 2007-2008 | 147 | 67.54 | 51.19 | 42.81 | 40.52 | 40.76 | 59.64 | 129.1 | 154.5 | 176.6 | 188.6 | 178.4 | 1276.6 |
| 2008-2009 | 146.9 | 66.13 | 53.3 | 44.38 | 44.25 | 43 | 53.82 | 123.7 | 154.5 | 178.4 | 189.5 | 178 | 1275.8 |
| 2009-2010 | 145.5 | 69.04 | 51.09 | 45.97 | 45.18 | 44.24 | 58.03 | 128.2 | 157.2 | 166.6 | 179.8 | 177.1 | 1267.9 |
| 2010-2011 | 145.7 | 64.6 | 51.12 | 44.91 | 41.6 | 40.53 | 52.32 | 116.2 | 147.1 | 167.6 | 182.4 | 172.5 | 1226.7 |
| 2011-2012 | 143.7 | 61.45 | 45.01 | 40.77 | 39.52 | 37.86 | 50.49 | 121.5 | 149 | 171.1 | 187.9 | 175.4 | 1223.7 |
| 2012-2013 | 143.8 | 64.44 | 50.55 | 42.79 | 40.57 | 41.82 | 54.87 | 123.6 | 157.5 | 170.1 | 182.5 | 174.6 | 1247.2 |
| 2013-2014 | 142.1 | 61.74 | 51.29 | 40.65 | 44.03 | 42.17 | 55.85 | 123.9 | 149.5 | 169.9 | 181.1 | 172.6 | 1234.9 |
| 2014-2015 | 142.8 | 62.77 | 47.66 | 44.45 | 40.16 | 40.09 | 54.03 | 116.7 | 152.5 | 164.2 | 181.8 | 175.2 | 1222.3 |
| AVERAGE | 145.7 | 65.5 | 50.0 | 43.4 | 42.2 | 41.5 | 54.5 | 122.6 | 153.6 | 171.1 | 185.2 | 174.9 | |

**Table A. 145** Vadili station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 120.1 | 96.14 | 56.4 | 45.64 | 43.62 | 52.47 | 83.89 | 103.6 | 135.1 | 155 | 164.1 | 148.7 | 1204.8 |
| 1979-1980 | 124 | 95.86 | 63.91 | 42.8 | 40.59 | 46.87 | 79.68 | 101.4 | 133.7 | 153 | 161.9 | 152 | 1195.6 |
| 1980-1981 | 120.5 | 95.71 | 64.05 | 44.63 | 43.16 | 48.55 | 83.67 | 103.8 | 130.3 | 154.1 | 163.2 | 151.8 | 1203.6 |
| 1981-1982 | 124.4 | 99.69 | 56.99 | 46.83 | 45.45 | 44.97 | 76.44 | 103.6 | 135 | 152.7 | 159.9 | 151 | 1197.0 |
| 1982-1983 | 125.3 | 96.52 | 57.13 | 41.07 | 39.28 | 45.86 | 78.43 | 102.6 | 135.7 | 150.4 | 161.2 | 149.3 | 1182.7 |
| 1983-1984 | 121.9 | 93.45 | 63.95 | 46.72 | 46.59 | 52.16 | 82.62 | 100.9 | 139.7 | 151.8 | 161.6 | 148.5 | 1209.8 |
| 1984-1985 | 119.5 | 93.29 | 57.89 | 40.07 | 46.79 | 44.92 | 81.26 | 103.4 | 137.4 | 152.2 | 161.2 | 159.7 | 1197.6 |
| 1985-1986 | 130 | 97.37 | 70.16 | 51.41 | 46.91 | 52.94 | 85.33 | 110 | 132.2 | 153.8 | 162 | 150.8 | 1242.9 |
| 1986-1987 | 124.6 | 93.22 | 55.51 | 42.46 | 46.19 | 52.77 | 73.96 | 99.87 | 132.4 | 151.7 | 163.6 | 151.3 | 1187.6 |
| 1987-1988 | 122.9 | 91.26 | 57.96 | 42.46 | 42.33 | 47.4 | 78.27 | 103.2 | 136.7 | 153.5 | 167.8 | 153.8 | 1197.6 |
| 1988-1989 | 123.8 | 92.89 | 54.92 | 41.45 | 37.67 | 46.38 | 82.24 | 111.3 | 138.7 | 151.6 | 163.9 | 149.8 | 1194.7 |
| 1989-1990 | 122.3 | 91.45 | 60.63 | 43.21 | 39.38 | 47.98 | 81.84 | 104.1 | 135.9 | 152.5 | 162.3 | 151.6 | 1193.1 |
| 1990-1991 | 122 | 96.93 | 64.09 | 46.04 | 42.83 | 47.41 | 84.3 | 104.6 | 135.1 | 153 | 162 | 150.9 | 1209.2 |
| 1991-1992 | 122.8 | 96.11 | 59.64 | 37.46 | 36.63 | 39.32 | 74.63 | 101.4 | 131.5 | 150.2 | 159.6 | 152.2 | 1161.4 |
| 1992-1993 | 121.7 | 96.95 | 59.75 | 36.49 | 40 | 43.59 | 80.96 | 102.4 | 131.7 | 154.6 | 163.9 | 153 | 1185.1 |
| 1993-1994 | 123.4 | 103 | 58.94 | 47.16 | 48.93 | 50.53 | 82.65 | 106 | 137.3 | 155.2 | 163.1 | 154.2 | 1230.4 |
| 1994-1995 | 128.8 | 102.5 | 59.55 | 40.43 | 45.28 | 51.65 | 83.33 | 101.4 | 135.9 | 154.1 | 162.9 | 151.1 | 1216.9 |
| 1995-1996 | 123.1 | 92.87 | 52.77 | 40.85 | 42.08 | 49.9 | 78.74 | 98.56 | 136.6 | 153.7 | 162.8 | 151.3 | 1183.2 |
| 1996-1997 | 120.8 | 90.15 | 63.04 | 48.21 | 46.3 | 44.93 | 77.18 | 97.13 | 135.2 | 152.8 | 163.5 | 146.7 | 1186.0 |
| 1997-1998 | 119.5 | 92.89 | 61.72 | 44.32 | 42.77 | 50.05 | 78.42 | 105.4 | 134.1 | 153.8 | 164.1 | 154.6 | 1201.7 |
| 1998-1999 | 123.7 | 97.2 | 65.31 | 46.14 | 47.5 | 51.65 | 84.69 | 104.6 | 140.9 | 153 | 165.8 | 153.5 | 1233.9 |
| 1999-2000 | 125 | 97.35 | 61.5 | 47.43 | 39.9 | 48.66 | 79.41 | 104.6 | 136.5 | 157.8 | 166.5 | 152.9 | 1217.5 |
| 2000-2001 | 123.4 | 93.6 | 62.09 | 43.92 | 45.54 | 50.2 | 88.23 | 105.7 | 137.2 | 154.3 | 163.1 | 151.9 | 1219.2 |
| 2001-2002 | 122.6 | 95.87 | 59.96 | 43.81 | 40.44 | 52.46 | 84.46 | 102.4 | 135 | 155.3 | 165.9 | 152.2 | 1210.5 |
| 2002-2003 | 122.3 | 95.77 | 63.19 | 41.43 | 48.08 | 44.38 | 75.76 | 100.6 | 141.1 | 154.8 | 166.2 | 154.7 | 1208.4 |
| 2003-2004 | 123.4 | 97.16 | 62.41 | 45.36 | 42.38 | 47.92 | 83.3 | 103.6 | 133.8 | 153 | 164.4 | 151.5 | 1208.1 |
| 2004-2005 | 123.2 | 99.29 | 61.7 | 42.84 | 46.85 | 48.52 | 82.72 | 104.6 | 135.6 | 152.2 | 163.6 | 151.8 | 1213.0 |
| 2005-2006 | 124.1 | 92.25 | 57.04 | 44.87 | 42.29 | 49.36 | 82.18 | 105.6 | 137.2 | 155.3 | 164.3 | 153.9 | 1208.4 |
| 2006-2007 | 126.2 | 96 | 57.43 | 42.42 | 42.23 | 49.8 | 81.33 | 101.7 | 137.5 | 156.5 | 166.2 | 153.4 | 1210.7 |
| 2007-2008 | 124 | 98.41 | 62.4 | 42.65 | 40.48 | 47.06 | 88.45 | 107.9 | 136.1 | 156.8 | 165.4 | 154.5 | 1224.2 |
| 2008-2009 | 124 | 96.28 | 65.9 | 45.37 | 46.81 | 50.56 | 80.17 | 104.2 | 136.1 | 157.9 | 166 | 154.2 | 1227.5 |
| 2009-2010 | 122.9 | 100.7 | 62.24 | 48.16 | 48.37 | 52.52 | 86.21 | 107.3 | 137.8 | 150.6 | 159.9 | 153.6 | 1230.3 |
| 2010-2011 | 123.1 | 93.96 | 62.29 | 46.32 | 42.29 | 46.71 | 78.04 | 99.06 | 131.4 | 151.2 | 161.5 | 150.5 | 1186.5 |
| 2011-2012 | 121.6 | 89.17 | 52.12 | 39.08 | 38.75 | 42.53 | 75.41 | 102.7 | 132.6 | 153.4 | 165 | 152.5 | 1164.8 |
| 2012-2013 | 121.7 | 93.7 | 61.32 | 42.6 | 40.54 | 48.72 | 81.67 | 104.1 | 138 | 152.8 | 161.6 | 152 | 1198.8 |
| 2013-2014 | 120.5 | 89.62 | 62.57 | 38.85 | 46.42 | 49.28 | 83.06 | 104.4 | 132.9 | 152.6 | 160.7 | 150.6 | 1191.5 |
| 2014-2015 | 121 | 91.18 | 56.51 | 45.51 | 39.84 | 46.02 | 80.47 | 99.35 | 134.8 | 149.1 | 161.1 | 152.4 | 1177.3 |
| AVERAGE | 123.1 | 95.3 | 60.4 | 43.7 | 43.3 | 48.3 | 81.2 | 103.4 | 135.5 | 153.4 | 163.3 | 152.1 | |

**Table A. 146** Yeni Erenkoy station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 103.5 | 77.5 | 36.2 | 29.6 | 28.4 | 34.1 | 50.2 | 69.3 | 105.9 | 153.3 | 176.4 | 143.4 | 1007.9 |
| 1979-1980 | 102.1 | 70.5 | 43.2 | 28.6 | 24.8 | 30.1 | 45.0 | 62.1 | 93.4 | 141.2 | 151.9 | 137.9 | 930.8 |
| 1980-1981 | 97.2 | 61.0 | 39.7 | 29.1 | 27.1 | 30.5 | 51.2 | 71.0 | 95.1 | 150.0 | 182.2 | 157.8 | 991.9 |
| 1981-1982 | 110.2 | 75.4 | 36.1 | 31.6 | 29.2 | 27.8 | 43.4 | 68.0 | 106.5 | 149.4 | 172.9 | 161.8 | 1012.1 |
| 1982-1983 | 116.5 | 73.6 | 36.5 | 26.8 | 23.7 | 28.3 | 44.3 | 68.0 | 109.3 | 137.8 | 173.3 | 149.1 | 987.1 |
| 1983-1984 | 103.0 | 61.7 | 40.6 | 29.9 | 30.4 | 35.6 | 52.4 | 70.0 | 120.2 | 159.2 | 169.4 | 158.9 | 1031.3 |
| 1984-1985 | 107.2 | 88.3 | 38.7 | 28.4 | 30.9 | 29.9 | 48.8 | 72.7 | 117.9 | 155.8 | 179.3 | 171.2 | 1069.0 |
| 1985-1986 | 115.2 | 70.4 | 45.5 | 29.4 | 30.1 | 33.9 | 52.0 | 84.8 | 107.3 | 148.0 | 174.8 | 154.2 | 1045.7 |
| 1986-1987 | 114.3 | 64.3 | 33.3 | 23.6 | 27.0 | 34.5 | 43.4 | 66.3 | 99.9 | 137.5 | 189.2 | 171.1 | 1004.4 |
| 1987-1988 | 116.2 | 70.7 | 41.7 | 28.4 | 28.3 | 31.7 | 48.4 | 72.2 | 122.6 | 161.0 | 209.5 | 176.2 | 1106.8 |
| 1988-1989 | 120.1 | 73.5 | 37.3 | 31.4 | 27.1 | 33.7 | 54.4 | 88.9 | 123.8 | 145.7 | 185.5 | 156.1 | 1077.4 |
| 1989-1990 | 109.1 | 62.5 | 40.0 | 30.3 | 26.6 | 32.2 | 54.7 | 78.3 | 111.6 | 143.7 | 178.0 | 163.6 | 1030.7 |
| 1990-1991 | 108.3 | 73.6 | 44.3 | 31.7 | 29.7 | 33.9 | 56.4 | 83.3 | 119.7 | 158.7 | 167.4 | 141.9 | 1049.0 |
| 1991-1992 | 96.3 | 68.0 | 37.8 | 24.3 | 22.8 | 23.3 | 42.3 | 63.1 | 96.2 | 132.3 | 153.8 | 152.6 | 912.7 |
| 1992-1993 | 101.9 | 67.9 | 37.8 | 23.6 | 25.6 | 26.7 | 44.6 | 64.2 | 94.6 | 139.5 | 166.1 | 136.0 | 928.6 |
| 1993-1994 | 98.7 | 78.9 | 36.6 | 31.3 | 30.9 | 30.8 | 50.1 | 80.0 | 125.4 | 166.9 | 184.4 | 172.0 | 1085.9 |
| 1994-1995 | 118.3 | 85.3 | 40.5 | 26.8 | 30.9 | 36.2 | 55.0 | 65.6 | 104.9 | 145.6 | 156.8 | 145.1 | 1011.3 |
| 1995-1996 | 102.2 | 63.2 | 34.1 | 27.8 | 25.4 | 31.7 | 45.3 | 61.5 | 107.5 | 143.8 | 166.3 | 149.3 | 958.3 |
| 1996-1997 | 100.2 | 68.8 | 40.9 | 34.7 | 31.0 | 31.0 | 46.1 | 65.4 | 112.6 | 156.7 | 188.9 | 144.4 | 1020.7 |
| 1997-1998 | 100.3 | 65.7 | 40.4 | 28.8 | 26.8 | 31.4 | 45.8 | 78.1 | 106.3 | 151.4 | 188.5 | 169.3 | 1032.9 |
| 1998-1999 | 106.9 | 72.7 | 44.9 | 29.5 | 30.6 | 33.6 | 52.1 | 69.7 | 124.8 | 151.7 | 184.2 | 167.9 | 1068.5 |
| 1999-2000 | 117.8 | 73.7 | 41.0 | 31.8 | 24.4 | 31.2 | 48.4 | 71.9 | 110.5 | 162.8 | 200.2 | 172.6 | 1086.2 |
| 2000-2001 | 119.3 | 69.0 | 44.0 | 31.5 | 31.3 | 36.0 | 62.6 | 82.3 | 116.1 | 164.0 | 194.2 | 177.9 | 1128.2 |
| 2001-2002 | 120.5 | 78.9 | 41.1 | 29.9 | 26.9 | 35.2 | 54.8 | 71.7 | 110.5 | 158.1 | 194.8 | 159.4 | 1081.8 |
| 2002-2003 | 114.2 | 73.4 | 45.0 | 27.4 | 32.3 | 29.6 | 47.7 | 71.2 | 131.3 | 161.5 | 198.5 | 182.0 | 1114.1 |
| 2003-2004 | 114.7 | 73.7 | 43.3 | 30.8 | 28.5 | 32.2 | 57.7 | 80.6 | 118.1 | 159.1 | 192.2 | 161.0 | 1091.8 |
| 2004-2005 | 116.2 | 82.9 | 44.7 | 27.9 | 30.1 | 32.8 | 55.7 | 78.6 | 121.1 | 154.8 | 180.2 | 169.1 | 1094.0 |
| 2005-2006 | 121.0 | 69.7 | 40.4 | 33.3 | 29.7 | 36.7 | 59.0 | 84.6 | 127.8 | 173.0 | 209.0 | 180.5 | 1164.7 |
| 2006-2007 | 134.6 | 84.0 | 43.9 | 31.9 | 30.7 | 37.0 | 58.8 | 79.4 | 133.8 | 180.7 | 218.1 | 191.5 | 1224.4 |
| 2007-2008 | 129.3 | 92.3 | 50.5 | 35.1 | 30.4 | 34.8 | 62.8 | 78.6 | 111.9 | 165.2 | 182.2 | 162.6 | 1135.7 |
| 2008-2009 | 112.7 | 74.5 | 45.3 | 30.3 | 29.8 | 32.9 | 49.4 | 74.1 | 111.8 | 163.0 | 187.0 | 164.8 | 1075.7 |
| 2009-2010 | 107.0 | 78.3 | 41.4 | 33.2 | 31.4 | 34.5 | 55.0 | 77.5 | 114.9 | 150.4 | 175.9 | 178.2 | 1077.6 |
| 2010-2011 | 120.1 | 76.4 | 49.2 | 35.2 | 29.9 | 33.5 | 51.7 | 71.4 | 108.1 | 151.9 | 184.4 | 167.0 | 1078.9 |
| 2011-2012 | 116.7 | 70.5 | 36.1 | 29.2 | 27.0 | 30.3 | 46.6 | 73.4 | 110.0 | 158.3 | 197.6 | 174.7 | 1070.5 |
| 2012-2013 | 115.3 | 75.0 | 44.4 | 31.1 | 28.9 | 35.7 | 53.2 | 77.2 | 122.6 | 153.5 | 182.7 | 167.1 | 1086.8 |
| 2013-2014 | 110.5 | 68.0 | 46.3 | 28.1 | 31.9 | 35.1 | 55.5 | 77.2 | 110.9 | 150.8 | 175.8 | 163.4 | 1053.6 |
| 2014-2015 | 111.9 | 71.4 | 40.3 | 33.5 | 27.9 | 32.2 | 53.5 | 69.1 | 115.1 | 141.4 | 177.8 | 169.7 | 1043.8 |
| AVERAGE | 111.6 | 73.1 | 41.2 | 29.9 | 28.6 | 32.4 | 51.3 | 73.5 | 113.0 | 153.4 | 182.4 | 162.7 | |

**Table A. 147** Yeni Erenkoy station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 120.8 | 81.5 | 33.6 | 25.0 | 19.8 | 27.6 | 36.5 | 56.9 | 84.1 | 175.8 | 208.3 | 156.9 | 1026.6 |
| 1979-1980 | 141.8 | 84.5 | 56.6 | 27.3 | 15.7 | 23.3 | 32.6 | 53.5 | 80.7 | 188.9 | 205.6 | 178.7 | 1089.0 |
| 1980-1981 | 118.6 | 61.4 | 43.4 | 25.7 | 18.5 | 21.5 | 41.0 | 64.4 | 75.0 | 183.5 | 233.8 | 189.7 | 1076.5 |
| 1981-1982 | 133.5 | 79.8 | 33.9 | 29.6 | 21.5 | 15.0 | 24.7 | 55.7 | 86.3 | 172.5 | 206.6 | 185.5 | 1044.6 |
| 1982-1983 | 155.1 | 83.2 | 37.6 | 21.2 | 12.3 | 17.4 | 28.6 | 60.4 | 97.1 | 166.8 | 225.9 | 182.0 | 1087.7 |
| 1983-1984 | 113.8 | 55.8 | 40.2 | 24.3 | 22.4 | 29.1 | 38.2 | 55.0 | 97.1 | 175.2 | 186.4 | 169.0 | 1006.7 |
| 1984-1985 | 112.6 | 86.5 | 34.5 | 20.0 | 21.9 | 16.8 | 29.9 | 55.7 | 88.8 | 158.7 | 187.7 | 173.1 | 986.2 |
| 1985-1986 | 124.1 | 64.5 | 46.6 | 22.0 | 20.6 | 24.3 | 35.3 | 75.5 | 77.2 | 147.9 | 182.3 | 153.3 | 973.5 |
| 1986-1987 | 150.0 | 67.7 | 30.3 | 14.0 | 18.6 | 31.2 | 26.4 | 56.5 | 83.2 | 164.5 | 250.3 | 212.8 | 1105.5 |
| 1987-1988 | 120.3 | 62.4 | 38.4 | 19.3 | 17.0 | 19.3 | 28.0 | 52.9 | 90.6 | 159.6 | 218.7 | 172.4 | 998.9 |
| 1988-1989 | 126.0 | 66.2 | 31.0 | 24.7 | 15.1 | 23.0 | 37.8 | 79.0 | 92.4 | 139.1 | 189.4 | 150.0 | 973.6 |
| 1989-1990 | 124.5 | 57.8 | 39.5 | 25.5 | 15.9 | 22.6 | 43.0 | 70.2 | 88.0 | 153.3 | 201.9 | 177.4 | 1019.7 |
| 1990-1991 | 112.3 | 67.3 | 43.7 | 25.8 | 19.5 | 23.7 | 41.8 | 71.6 | 89.4 | 160.0 | 168.4 | 135.2 | 958.7 |
| 1991-1992 | 148.3 | 90.0 | 49.3 | 19.3 | 13.1 | 9.6 | 30.7 | 63.5 | 96.1 | 196.0 | 239.8 | 231.7 | 1187.3 |
| 1992-1993 | 150.5 | 84.7 | 46.5 | 16.4 | 18.4 | 16.5 | 34.0 | 61.8 | 87.8 | 198.6 | 249.4 | 187.1 | 1151.4 |
| 1993-1994 | 98.2 | 73.2 | 30.0 | 24.8 | 21.3 | 17.9 | 31.2 | 65.6 | 94.6 | 169.7 | 189.2 | 169.5 | 985.1 |
| 1994-1995 | 136.4 | 88.0 | 40.2 | 18.2 | 23.4 | 30.5 | 43.1 | 47.8 | 78.9 | 154.4 | 168.1 | 151.2 | 980.3 |
| 1995-1996 | 139.9 | 70.9 | 34.6 | 24.9 | 16.6 | 26.8 | 32.8 | 51.4 | 101.0 | 191.3 | 229.9 | 195.3 | 1115.3 |
| 1996-1997 | 112.2 | 67.4 | 41.8 | 34.8 | 24.1 | 20.5 | 28.0 | 48.5 | 90.1 | 175.7 | 220.4 | 153.7 | 1017.2 |
| 1997-1998 | 114.1 | 63.8 | 41.4 | 22.9 | 16.6 | 21.7 | 27.9 | 71.8 | 83.6 | 170.2 | 223.5 | 189.7 | 1047.4 |
| 1998-1999 | 110.3 | 66.1 | 44.6 | 21.7 | 21.0 | 23.1 | 34.7 | 50.1 | 94.7 | 149.9 | 190.6 | 166.2 | 972.9 |
| 1999-2000 | 126.6 | 68.2 | 38.4 | 26.2 | 11.1 | 19.0 | 29.2 | 54.2 | 80.2 | 168.0 | 214.7 | 174.1 | 1009.9 |
| 2000-2001 | 111.6 | 54.6 | 38.1 | 22.3 | 19.6 | 24.3 | 45.6 | 61.0 | 75.4 | 145.7 | 177.6 | 156.0 | 931.9 |
| 2001-2002 | 126.1 | 72.6 | 37.4 | 21.9 | 14.7 | 25.6 | 38.4 | 52.2 | 77.8 | 156.0 | 200.7 | 153.4 | 977.0 |
| 2002-2003 | 114.4 | 64.0 | 42.8 | 17.0 | 22.9 | 15.1 | 26.2 | 49.8 | 97.1 | 155.4 | 198.7 | 173.6 | 977.0 |
| 2003-2004 | 115.3 | 64.6 | 40.1 | 22.9 | 16.8 | 19.6 | 41.8 | 64.0 | 83.7 | 152.6 | 191.5 | 150.9 | 963.9 |
| 2004-2005 | 115.5 | 74.3 | 41.8 | 17.7 | 19.1 | 20.4 | 38.1 | 60.0 | 85.6 | 144.6 | 173.7 | 157.5 | 948.3 |
| 2005-2006 | 109.1 | 53.3 | 31.3 | 24.3 | 16.6 | 24.5 | 38.6 | 61.5 | 83.3 | 149.9 | 185.8 | 152.3 | 930.5 |
| 2006-2007 | 111.7 | 62.2 | 33.0 | 20.0 | 16.3 | 22.4 | 34.3 | 49.0 | 80.4 | 142.0 | 174.9 | 146.4 | 892.8 |
| 2007-2008 | 115.5 | 75.2 | 45.2 | 26.6 | 17.3 | 20.9 | 42.9 | 52.3 | 67.2 | 137.5 | 153.2 | 131.7 | 885.4 |
| 2008-2009 | 116.7 | 67.6 | 44.9 | 23.0 | 19.5 | 21.7 | 29.9 | 56.2 | 79.7 | 163.8 | 192.0 | 160.7 | 975.6 |
| 2009-2010 | 105.8 | 70.2 | 37.0 | 27.3 | 21.5 | 23.7 | 37.8 | 59.6 | 80.7 | 141.4 | 171.6 | 170.6 | 947.1 |
| 2010-2011 | 121.0 | 67.2 | 49.4 | 30.6 | 18.9 | 21.8 | 32.1 | 49.7 | 72.6 | 141.5 | 179.9 | 156.1 | 940.9 |
| 2011-2012 | 131.5 | 67.1 | 31.1 | 22.5 | 16.1 | 18.4 | 27.6 | 59.7 | 83.4 | 170.5 | 222.8 | 185.7 | 1036.3 |
| 2012-2013 | 115.6 | 65.9 | 41.8 | 23.5 | 17.4 | 25.7 | 34.5 | 58.6 | 88.1 | 144.3 | 178.7 | 157.0 | 950.9 |
| 2013-2014 | 116.0 | 60.5 | 47.5 | 19.2 | 23.5 | 26.2 | 40.5 | 62.3 | 80.2 | 149.9 | 181.0 | 162.2 | 969.0 |
| 2014-2015 | 123.0 | 67.4 | 38.5 | 30.6 | 17.4 | 21.6 | 38.9 | 51.7 | 88.2 | 142.6 | 192.0 | 177.0 | 989.1 |
| AVERAGE | 122.7 | 69.7 | 39.9 | 23.3 | 18.4 | 22.0 | 34.7 | 58.6 | 85.4 | 161.0 | 199.1 | 168.8 | |

**Table A. 148** Yeni Erenkoy station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 179.4 | 178.4 | 138.6 | 135.4 | 128.9 | 120.9 | 137.7 | 143.2 | 164.7 | 181.2 | 197 | 191.9 | 1897.3 |
| 1979-1980 | 178.6 | 171.9 | 150.8 | 132.9 | 119.5 | 113.1 | 129.9 | 135.8 | 155.7 | 175.5 | 186.4 | 189.1 | 1839.2 |
| 1980-1981 | 175.1 | 161.7 | 144.9 | 134.4 | 125.7 | 113.9 | 139 | 144.8 | 156.9 | 179.6 | 199.3 | 198.6 | 1873.8 |
| 1981-1982 | 183.7 | 176.5 | 138.3 | 139.9 | 130.8 | 108 | 127.5 | 141.9 | 164.9 | 179.3 | 195.6 | 200.4 | 1886.8 |
| 1982-1983 | 187.4 | 174.8 | 139.2 | 128.5 | 116.1 | 109.1 | 128.9 | 141.9 | 166.7 | 173.8 | 195.7 | 194.6 | 1856.9 |
| 1983-1984 | 179.1 | 162.4 | 146.3 | 136.2 | 133.8 | 123.7 | 140.6 | 143.9 | 173.5 | 183.7 | 194.1 | 199.1 | 1916.3 |
| 1984-1985 | 181.8 | 187.7 | 143.1 | 132.5 | 134.9 | 112.7 | 135.7 | 146.4 | 172.1 | 182.2 | 198.1 | 204.3 | 1931.6 |
| 1985-1986 | 186.7 | 171.7 | 154.1 | 135 | 133.1 | 120.7 | 140.1 | 156.9 | 165.5 | 178.7 | 196.4 | 197 | 1936.0 |
| 1986-1987 | 186.2 | 165.3 | 132.9 | 119.4 | 125.3 | 121.8 | 127.3 | 140.2 | 160.5 | 173.7 | 201.9 | 204.3 | 1858.7 |
| 1987-1988 | 187.3 | 172 | 148.2 | 132.6 | 128.8 | 116.4 | 135 | 146 | 174.8 | 184.5 | 209.1 | 206.4 | 1940.9 |
| 1988-1989 | 189.6 | 174.7 | 140.6 | 139.5 | 125.7 | 120.3 | 143.2 | 160.2 | 175.5 | 177.6 | 200.5 | 197.8 | 1945.3 |
| 1989-1990 | 183 | 163.4 | 145.3 | 137.2 | 124.5 | 117.3 | 143.7 | 151.5 | 168.2 | 176.7 | 197.6 | 201.2 | 1909.5 |
| 1990-1991 | 182.5 | 174.8 | 152.4 | 140.3 | 132.1 | 120.7 | 145.8 | 155.8 | 173.2 | 183.5 | 193.3 | 191.1 | 1945.4 |
| 1991-1992 | 174.5 | 169.2 | 141.4 | 121.6 | 113.6 | 96.75 | 125.5 | 136.8 | 157.8 | 171.1 | 187.3 | 196.3 | 1791.8 |
| 1992-1993 | 178.3 | 169.1 | 141.5 | 119.5 | 121.7 | 105.6 | 129.4 | 137.9 | 156.6 | 174.7 | 192.8 | 188.2 | 1815.2 |
| 1993-1994 | 176.2 | 179.7 | 139.4 | 139.3 | 134.8 | 114.5 | 137.5 | 153.1 | 176.5 | 186.9 | 200.1 | 204.7 | 1942.8 |
| 1994-1995 | 188.5 | 185.2 | 146.3 | 128.4 | 135 | 124.8 | 144.1 | 139.5 | 163.8 | 177.6 | 188.7 | 192.7 | 1914.7 |
| 1995-1996 | 178.5 | 164.1 | 134.6 | 130.9 | 121.1 | 116.4 | 130.5 | 135.1 | 165.6 | 176.8 | 192.9 | 194.7 | 1841.1 |
| 1996-1997 | 177.2 | 170.1 | 146.9 | 146.6 | 135.2 | 114.9 | 131.6 | 139.3 | 168.8 | 182.6 | 201.8 | 192.4 | 1907.4 |
| 1997-1998 | 177.3 | 166.8 | 146 | 133.5 | 124.9 | 115.9 | 131.1 | 151.4 | 164.8 | 180.2 | 201.7 | 203.6 | 1897.2 |
| 1998-1999 | 181.6 | 174 | 153.2 | 135.2 | 134.1 | 120 | 140.3 | 143.6 | 176.1 | 180.4 | 200 | 203 | 1941.4 |
| 1999-2000 | 188.3 | 174.9 | 147 | 140.4 | 118.2 | 115.3 | 135.1 | 145.6 | 167.5 | 185.2 | 205.9 | 204.9 | 1928.4 |
| 2000-2001 | 189.1 | 170.3 | 151.9 | 139.8 | 135.7 | 124.5 | 153.2 | 154.9 | 171 | 185.7 | 203.8 | 207 | 1986.9 |
| 2001-2002 | 189.8 | 179.7 | 147.2 | 136 | 125.2 | 123 | 143.8 | 145.5 | 167.5 | 183.2 | 204 | 199.3 | 1944.3 |
| 2002-2003 | 186.1 | 174.6 | 153.4 | 130 | 138.1 | 111.9 | 134 | 145.1 | 179.7 | 184.7 | 205.3 | 208.7 | 1951.6 |
| 2003-2004 | 186.4 | 174.9 | 150.8 | 138.1 | 129.3 | 117.3 | 147.5 | 153.5 | 172.2 | 183.6 | 203 | 200 | 1956.5 |
| 2004-2005 | 187.3 | 183.2 | 152.9 | 131.4 | 133.1 | 118.6 | 145 | 151.7 | 174 | 181.8 | 198.5 | 203.5 | 1960.9 |
| 2005-2006 | 190 | 171 | 146.1 | 143.7 | 132 | 125.8 | 149 | 156.8 | 177.8 | 189.4 | 208.9 | 208.1 | 1998.6 |
| 2006-2007 | 197.3 | 184.1 | 151.7 | 140.8 | 134.4 | 126.3 | 148.8 | 152.5 | 181 | 192.3 | 211.9 | 212.2 | 2033.3 |
| 2007-2008 | 194.6 | 190.7 | 161.3 | 147.4 | 133.7 | 122.4 | 153.4 | 151.7 | 168.4 | 186.2 | 199.3 | 200.7 | 2009.8 |
| 2008-2009 | 185.2 | 175.7 | 153.9 | 137.2 | 132.3 | 118.8 | 136.5 | 147.7 | 168.4 | 185.3 | 201.1 | 201.7 | 1943.7 |
| 2009-2010 | 181.7 | 179.2 | 147.7 | 143.4 | 136 | 121.7 | 144.1 | 150.8 | 170.3 | 179.8 | 196.8 | 207.2 | 1958.6 |
| 2010-2011 | 189.5 | 177.4 | 159.5 | 147.6 | 132.7 | 120 | 139.8 | 145.2 | 166 | 180.5 | 200.1 | 202.6 | 1960.9 |
| 2011-2012 | 187.6 | 171.8 | 138.3 | 134.5 | 125.5 | 113.5 | 132.4 | 147.1 | 167.2 | 183.3 | 205 | 205.8 | 1912.0 |
| 2012-2013 | 186.8 | 176.2 | 152.5 | 139 | 130.2 | 123.9 | 141.7 | 150.5 | 174.8 | 181.2 | 199.5 | 202.7 | 1959.0 |
| 2013-2014 | 183.8 | 169.3 | 155.4 | 131.7 | 137.2 | 122.9 | 144.7 | 150.6 | 167.8 | 180 | 196.8 | 201.1 | 1941.2 |
| 2014-2015 | 184.8 | 172.7 | 145.9 | 144.2 | 127.8 | 117.3 | 142.1 | 143 | 170.4 | 175.6 | 197.5 | 203.7 | 1925.1 |
| AVERAGE | 184.3 | 174.0 | 147.0 | 135.8 | 129.2 | 117.6 | 138.8 | 147.0 | 168.8 | 181.0 | 199.1 | 200.6 | |

**Table A. 149** Yeni Erenkoy station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 137.9 | 65.96 | 46.67 | 43.3 | 42.46 | 43.26 | 54.15 | 116.4 | 143.6 | 163.6 | 175.1 | 160.5 | 1192.9 |
| 1979-1980 | 137.2 | 63.52 | 50.74 | 42.52 | 39.33 | 40.46 | 51.09 | 110.4 | 135.8 | 158.6 | 165.7 | 158.1 | 1153.5 |
| 1980-1981 | 134.6 | 59.75 | 48.79 | 42.95 | 41.36 | 40.73 | 54.64 | 117.8 | 136.9 | 162.3 | 177.1 | 166.1 | 1183.0 |
| 1981-1982 | 141.2 | 65.24 | 46.57 | 44.74 | 43.05 | 38.61 | 50.11 | 115.4 | 143.9 | 162 | 173.8 | 167.6 | 1192.2 |
| 1982-1983 | 144 | 64.63 | 46.87 | 41.08 | 38.22 | 39.04 | 50.68 | 115.4 | 145.5 | 157.1 | 174 | 162.7 | 1179.2 |
| 1983-1984 | 137.6 | 60.03 | 49.27 | 43.55 | 44.05 | 44.23 | 55.3 | 117 | 151.4 | 166 | 172.5 | 166.5 | 1207.4 |
| 1984-1985 | 139.7 | 69.38 | 48.19 | 42.37 | 44.39 | 40.28 | 53.34 | 119.1 | 150.2 | 164.6 | 176.1 | 170.9 | 1218.5 |
| 1985-1986 | 143.5 | 63.48 | 51.89 | 43.18 | 43.79 | 43.16 | 55.09 | 127.7 | 144.4 | 161.5 | 174.5 | 164.7 | 1216.9 |
| 1986-1987 | 143.1 | 61.09 | 44.74 | 38.16 | 41.24 | 43.55 | 50.06 | 114 | 140 | 157 | 179.5 | 170.8 | 1183.2 |
| 1987-1988 | 143.9 | 63.58 | 49.9 | 42.38 | 42.39 | 41.6 | 53.08 | 118.8 | 152.6 | 166.7 | 185.8 | 172.6 | 1233.3 |
| 1988-1989 | 145.7 | 64.58 | 47.34 | 44.6 | 41.37 | 43.02 | 56.33 | 130.3 | 153.2 | 160.5 | 178.2 | 165.4 | 1230.5 |
| 1989-1990 | 140.6 | 60.38 | 48.93 | 43.86 | 40.95 | 41.96 | 56.5 | 123.3 | 146.8 | 159.7 | 175.6 | 168.2 | 1206.8 |
| 1990-1991 | 140.2 | 64.63 | 51.31 | 44.87 | 43.47 | 43.14 | 57.34 | 126.7 | 151.1 | 165.8 | 171.8 | 159.8 | 1220.2 |
| 1991-1992 | 134.1 | 62.55 | 47.62 | 38.86 | 37.37 | 34.59 | 49.35 | 111.3 | 137.7 | 154.6 | 166.5 | 164.1 | 1138.5 |
| 1992-1993 | 137 | 62.52 | 47.65 | 38.19 | 40.06 | 37.75 | 50.86 | 112.2 | 136.6 | 157.8 | 171.3 | 157.3 | 1149.4 |
| 1993-1994 | 135.4 | 66.42 | 46.92 | 44.55 | 44.36 | 40.94 | 54.08 | 124.4 | 154 | 168.9 | 177.8 | 171.2 | 1229.0 |
| 1994-1995 | 144.9 | 68.46 | 49.26 | 41.05 | 44.43 | 44.64 | 56.67 | 113.5 | 143 | 160.5 | 167.7 | 161.2 | 1195.2 |
| 1995-1996 | 137.2 | 60.66 | 45.3 | 41.85 | 39.85 | 41.63 | 51.29 | 109.9 | 144.5 | 159.7 | 171.4 | 162.8 | 1166.1 |
| 1996-1997 | 136.2 | 62.89 | 49.46 | 46.88 | 44.51 | 41.1 | 51.74 | 113.3 | 147.3 | 165 | 179.4 | 160.9 | 1198.5 |
| 1997-1998 | 136.2 | 61.68 | 49.17 | 42.67 | 41.1 | 41.43 | 51.57 | 123.1 | 143.8 | 162.9 | 179.2 | 170.2 | 1203.1 |
| 1998-1999 | 139.6 | 64.31 | 51.58 | 43.22 | 44.15 | 42.93 | 55.16 | 116.8 | 153.7 | 163 | 177.8 | 169.7 | 1221.9 |
| 1999-2000 | 144.7 | 64.66 | 49.5 | 44.88 | 38.9 | 41.25 | 53.13 | 118.5 | 146.2 | 167.4 | 183 | 171.4 | 1223.4 |
| 2000-2001 | 145.3 | 62.95 | 51.15 | 44.7 | 44.66 | 44.53 | 60.24 | 126 | 149.2 | 167.8 | 181.1 | 173.1 | 1250.8 |
| 2001-2002 | 145.8 | 66.44 | 49.57 | 43.5 | 41.2 | 43.98 | 56.57 | 118.3 | 146.2 | 165.6 | 181.3 | 166.7 | 1225.2 |
| 2002-2003 | 143 | 64.55 | 51.66 | 41.57 | 45.46 | 40.04 | 52.69 | 118 | 156.8 | 166.9 | 182.5 | 174.5 | 1237.6 |
| 2003-2004 | 143.2 | 64.66 | 50.77 | 44.17 | 42.54 | 41.94 | 57.98 | 124.8 | 150.3 | 165.9 | 180.4 | 167.3 | 1234.0 |
| 2004-2005 | 143.9 | 67.72 | 51.49 | 42 | 43.82 | 42.41 | 57.01 | 123.4 | 151.8 | 164.3 | 176.4 | 170.1 | 1234.4 |
| 2005-2006 | 146.1 | 63.21 | 49.19 | 45.96 | 43.46 | 44.98 | 58.61 | 127.5 | 155.1 | 171.1 | 185.7 | 174 | 1264.9 |
| 2006-2007 | 151.6 | 68.05 | 51.07 | 45.01 | 44.23 | 45.15 | 58.49 | 124 | 158 | 173.8 | 188.4 | 177.5 | 1285.3 |
| 2007-2008 | 149.5 | 70.51 | 54.31 | 47.13 | 44.02 | 43.76 | 60.31 | 123.4 | 147 | 168.3 | 177.1 | 167.8 | 1253.2 |
| 2008-2009 | 142.3 | 64.94 | 51.81 | 43.86 | 43.54 | 42.49 | 53.68 | 120.2 | 146.9 | 167.4 | 178.7 | 168.7 | 1224.5 |
| 2009-2010 | 139.6 | 66.23 | 49.71 | 45.86 | 44.77 | 43.52 | 56.67 | 122.7 | 148.6 | 162.5 | 174.9 | 173.3 | 1228.3 |
| 2010-2011 | 145.7 | 65.6 | 53.71 | 47.2 | 43.66 | 42.9 | 54.95 | 118.1 | 144.9 | 163.1 | 177.8 | 169.4 | 1227.0 |
| 2011-2012 | 144.2 | 63.5 | 46.57 | 43.01 | 41.3 | 40.6 | 52.05 | 119.7 | 145.9 | 165.6 | 182.2 | 172.1 | 1216.7 |
| 2012-2013 | 143.5 | 65.13 | 51.36 | 44.45 | 42.87 | 44.3 | 55.71 | 122.5 | 152.6 | 163.7 | 177.3 | 169.5 | 1232.9 |
| 2013-2014 | 141.3 | 62.56 | 52.32 | 42.12 | 45.17 | 43.95 | 56.89 | 122.5 | 146.4 | 162.7 | 174.9 | 168.1 | 1218.8 |
| 2014-2015 | 142 | 63.84 | 49.14 | 46.11 | 42.06 | 41.96 | 55.88 | 116.3 | 148.7 | 158.7 | 175.5 | 170.4 | 1210.5 |
| AVERAGE | 141.7 | 64.3 | 49.5 | 43.4 | 42.5 | 42.0 | 54.6 | 119.5 | 147.3 | 163.6 | 177.0 | 167.7 | |

**Table A. 150** Yeni Erenkoy station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.3 | 94.4 | 53.81 | 42.64 | 42.77 | 49.84 | 78.81 | 97.06 | 126.4 | 145.8 | 153.9 | 139.8 | 1140.6 |
| 1979-1980 | 114.8 | 90.77 | 60.68 | 41.24 | 37.49 | 45.51 | 74.45 | 92.87 | 121.4 | 142.7 | 148 | 138.2 | 1108.1 |
| 1980-1981 | 112.9 | 85.01 | 57.35 | 42.07 | 40.96 | 45.92 | 79.53 | 97.95 | 122.1 | 145 | 155.2 | 143.6 | 1127.5 |
| 1981-1982 | 117.7 | 93.33 | 53.67 | 45.19 | 43.85 | 42.6 | 73.07 | 96.34 | 126.6 | 144.8 | 153.1 | 144.6 | 1134.8 |
| 1982-1983 | 119.8 | 92.39 | 54.17 | 38.78 | 35.61 | 43.26 | 73.88 | 96.29 | 127.6 | 141.7 | 153.2 | 141.3 | 1118.0 |
| 1983-1984 | 115.1 | 85.41 | 58.16 | 43.11 | 45.53 | 51.42 | 80.47 | 97.41 | 131.3 | 147.3 | 152.3 | 143.8 | 1151.3 |
| 1984-1985 | 116.6 | 99.6 | 56.36 | 41.04 | 46.12 | 45.23 | 77.68 | 98.85 | 130.6 | 146.4 | 154.6 | 146.8 | 1159.9 |
| 1985-1986 | 119.4 | 90.65 | 62.53 | 42.45 | 45.1 | 49.72 | 80.17 | 104.7 | 126.9 | 144.5 | 153.6 | 142.7 | 1162.3 |
| 1986-1987 | 119.1 | 87.05 | 50.62 | 33.66 | 40.76 | 50.34 | 73.01 | 95.34 | 124.1 | 141.7 | 156.7 | 146.8 | 1119.0 |
| 1987-1988 | 119.7 | 90.81 | 59.2 | 41.06 | 42.7 | 47.31 | 77.31 | 98.6 | 132.1 | 147.7 | 160.7 | 147.9 | 1165.1 |
| 1988-1989 | 121 | 92.32 | 54.95 | 44.97 | 40.98 | 49.5 | 81.93 | 106.6 | 132.5 | 143.9 | 155.9 | 143.1 | 1167.6 |
| 1989-1990 | 117.3 | 85.96 | 57.59 | 43.65 | 40.27 | 47.86 | 82.17 | 101.7 | 128.4 | 143.3 | 154.3 | 145 | 1147.5 |
| 1990-1991 | 117 | 92.4 | 61.55 | 45.41 | 44.55 | 49.72 | 83.37 | 104.1 | 131.2 | 147.1 | 151.9 | 139.4 | 1167.6 |
| 1991-1992 | 112.5 | 89.25 | 55.41 | 34.89 | 34.17 | 36.31 | 71.98 | 93.46 | 122.5 | 140.2 | 148.5 | 142.3 | 1081.5 |
| 1992-1993 | 114.7 | 89.18 | 55.47 | 33.71 | 38.75 | 41.26 | 74.15 | 94.09 | 121.9 | 142.2 | 151.6 | 137.7 | 1094.6 |
| 1993-1994 | 113.5 | 95.13 | 54.25 | 44.86 | 46.06 | 46.26 | 78.73 | 102.6 | 133 | 149.1 | 155.7 | 147 | 1166.2 |
| 1994-1995 | 120.4 | 98.2 | 58.12 | 38.71 | 46.19 | 52.06 | 82.43 | 94.95 | 125.9 | 143.9 | 149.3 | 140.3 | 1150.4 |
| 1995-1996 | 114.8 | 86.38 | 51.56 | 40.15 | 38.37 | 47.34 | 74.75 | 92.48 | 126.9 | 143.4 | 151.6 | 141.4 | 1109.1 |
| 1996-1997 | 114 | 89.76 | 58.46 | 48.96 | 46.3 | 46.49 | 75.39 | 94.84 | 128.7 | 146.6 | 156.6 | 140.1 | 1146.3 |
| 1997-1998 | 114.1 | 87.91 | 58.01 | 41.58 | 40.5 | 47.03 | 75.14 | 101.6 | 126.5 | 145.3 | 156.5 | 146.3 | 1140.6 |
| 1998-1999 | 116.5 | 91.91 | 62 | 42.53 | 45.69 | 49.37 | 80.26 | 97.26 | 132.8 | 145.4 | 155.6 | 146 | 1165.4 |
| 1999-2000 | 120.2 | 92.46 | 58.54 | 45.46 | 36.76 | 46.74 | 77.38 | 98.41 | 128 | 148.1 | 158.9 | 147.1 | 1158.1 |
| 2000-2001 | 120.7 | 89.86 | 61.28 | 45.12 | 46.57 | 51.87 | 87.52 | 103.6 | 129.9 | 148.4 | 157.7 | 148.3 | 1190.9 |
| 2001-2002 | 121.1 | 95.14 | 58.67 | 43.01 | 40.69 | 51.02 | 82.27 | 98.32 | 128 | 147 | 157.8 | 144 | 1167.0 |
| 2002-2003 | 119 | 92.28 | 62.14 | 39.64 | 47.93 | 44.83 | 76.74 | 98.08 | 134.8 | 147.8 | 158.6 | 149.2 | 1171.1 |
| 2003-2004 | 119.2 | 92.46 | 60.64 | 44.18 | 42.96 | 47.84 | 84.3 | 102.8 | 130.6 | 147.2 | 157.3 | 144.3 | 1173.9 |
| 2004-2005 | 119.7 | 97.07 | 61.86 | 40.41 | 45.13 | 48.56 | 82.91 | 101.8 | 131.6 | 146.2 | 154.8 | 146.3 | 1176.3 |
| 2005-2006 | 121.2 | 90.25 | 58.01 | 47.32 | 44.51 | 52.59 | 85.18 | 104.7 | 133.8 | 150.4 | 160.6 | 148.9 | 1197.5 |
| 2006-2007 | 125.3 | 97.6 | 61.16 | 45.66 | 45.85 | 52.86 | 85.03 | 102.2 | 135.6 | 152.1 | 162.3 | 151.2 | 1216.9 |
| 2007-2008 | 123.8 | 101.3 | 66.55 | 49.38 | 45.47 | 50.69 | 87.61 | 101.8 | 128.5 | 148.7 | 155.2 | 144.7 | 1203.8 |
| 2008-2009 | 118.5 | 92.87 | 62.39 | 43.66 | 44.66 | 48.68 | 78.17 | 99.57 | 128.5 | 148.2 | 156.2 | 145.3 | 1166.7 |
| 2009-2010 | 116.5 | 94.83 | 58.91 | 47.15 | 46.74 | 50.31 | 82.42 | 101.3 | 129.6 | 145.1 | 153.8 | 148.4 | 1175.0 |
| 2010-2011 | 121 | 93.86 | 65.57 | 49.5 | 44.87 | 49.33 | 79.98 | 98.17 | 127.1 | 145.5 | 155.7 | 145.8 | 1176.3 |
| 2011-2012 | 119.9 | 90.69 | 53.67 | 42.17 | 40.85 | 45.73 | 75.83 | 99.25 | 127.8 | 147 | 158.4 | 147.6 | 1148.9 |
| 2012-2013 | 119.4 | 93.17 | 61.65 | 44.68 | 43.52 | 51.53 | 81.04 | 101.2 | 132.1 | 145.9 | 155.3 | 145.8 | 1175.3 |
| 2013-2014 | 117.8 | 89.27 | 63.24 | 40.6 | 47.43 | 50.98 | 82.73 | 101.2 | 128.1 | 145.2 | 153.8 | 144.9 | 1165.3 |
| 2014-2015 | 118.3 | 91.19 | 57.94 | 47.59 | 42.14 | 47.84 | 81.31 | 96.92 | 129.6 | 142.7 | 154.2 | 146.4 | 1156.2 |
| AVERAGE | 118.0 | 91.9 | 58.5 | 42.9 | 42.9 | 48.0 | 79.4 | 99.1 | 128.7 | 145.8 | 155.1 | 144.7 | |

**Table A. 151** Yesilirmak station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 105.7 | 75.8 | 40.0 | 32.4 | 30.4 | 36.3 | 53.5 | 77.5 | 115.2 | 174.5 | 195.9 | 163.4 | 1100.7 |
| 1979-1980 | 119.3 | 78.1 | 47.1 | 28.9 | 25.8 | 30.4 | 46.8 | 69.8 | 114.5 | 168.9 | 194.8 | 182.0 | 1106.4 |
| 1980-1981 | 109.7 | 76.2 | 44.6 | 30.7 | 27.6 | 31.1 | 53.3 | 76.0 | 104.4 | 174.5 | 199.2 | 175.0 | 1102.3 |
| 1981-1982 | 110.5 | 81.5 | 38.1 | 32.7 | 29.5 | 28.5 | 45.4 | 76.9 | 117.0 | 160.9 | 185.5 | 174.7 | 1081.3 |
| 1982-1983 | 122.6 | 78.1 | 37.6 | 28.3 | 24.4 | 28.4 | 46.4 | 73.5 | 122.8 | 154.6 | 192.8 | 166.7 | 1076.3 |
| 1983-1984 | 111.3 | 79.5 | 50.8 | 34.6 | 30.2 | 34.1 | 50.4 | 70.9 | 121.8 | 157.2 | 184.3 | 164.0 | 1089.2 |
| 1984-1985 | 110.3 | 73.1 | 38.4 | 26.8 | 29.3 | 27.8 | 48.2 | 75.7 | 132.6 | 168.3 | 207.9 | 185.3 | 1123.9 |
| 1985-1986 | 121.7 | 68.3 | 45.6 | 30.3 | 28.8 | 35.5 | 54.2 | 89.7 | 115.6 | 171.3 | 195.3 | 173.6 | 1129.8 |
| 1986-1987 | 127.4 | 73.7 | 36.4 | 28.7 | 30.0 | 35.0 | 42.1 | 70.9 | 113.0 | 168.4 | 211.2 | 182.1 | 1118.9 |
| 1987-1988 | 125.1 | 70.3 | 39.9 | 29.0 | 28.1 | 31.5 | 47.8 | 78.2 | 130.9 | 176.9 | 231.1 | 185.6 | 1174.4 |
| 1988-1989 | 127.0 | 72.7 | 35.6 | 28.3 | 23.3 | 29.4 | 51.5 | 90.5 | 131.4 | 160.5 | 208.3 | 176.2 | 1134.9 |
| 1989-1990 | 114.2 | 66.4 | 42.2 | 29.8 | 24.7 | 30.4 | 50.2 | 75.9 | 116.6 | 161.2 | 195.3 | 172.4 | 1079.5 |
| 1990-1991 | 111.4 | 75.0 | 43.9 | 30.3 | 27.0 | 30.4 | 53.4 | 77.8 | 109.9 | 162.6 | 182.3 | 165.7 | 1069.8 |
| 1991-1992 | 111.5 | 75.4 | 40.8 | 25.7 | 24.5 | 24.9 | 43.2 | 69.2 | 111.1 | 153.9 | 182.1 | 181.7 | 1044.0 |
| 1992-1993 | 107.7 | 73.4 | 40.5 | 23.6 | 25.8 | 28.4 | 46.2 | 70.1 | 104.4 | 168.3 | 191.7 | 162.8 | 1043.0 |
| 1993-1994 | 99.1 | 81.6 | 37.7 | 30.3 | 30.6 | 32.0 | 48.7 | 81.8 | 123.5 | 162.6 | 192.3 | 180.5 | 1100.8 |
| 1994-1995 | 124.8 | 80.7 | 38.2 | 26.4 | 28.6 | 32.4 | 51.7 | 72.0 | 119.9 | 183.4 | 204.2 | 176.9 | 1139.2 |
| 1995-1996 | 114.9 | 69.9 | 34.0 | 27.1 | 25.7 | 32.8 | 48.4 | 69.4 | 134.9 | 178.2 | 205.6 | 156.1 | 1097.2 |
| 1996-1997 | 114.7 | 66.6 | 43.5 | 31.7 | 29.5 | 29.3 | 45.8 | 67.2 | 125.8 | 175.9 | 216.8 | 165.6 | 1112.4 |
| 1997-1998 | 110.0 | 71.2 | 41.9 | 29.9 | 27.3 | 31.5 | 46.6 | 82.0 | 117.5 | 165.0 | 224.4 | 207.2 | 1154.6 |
| 1998-1999 | 124.4 | 83.1 | 47.9 | 32.1 | 29.9 | 33.2 | 51.7 | 77.8 | 138.9 | 188.7 | 216.6 | 187.2 | 1211.6 |
| 1999-2000 | 120.8 | 79.0 | 42.0 | 32.9 | 22.9 | 28.6 | 46.9 | 77.5 | 120.5 | 186.0 | 226.0 | 180.4 | 1163.5 |
| 2000-2001 | 119.5 | 70.7 | 42.3 | 29.1 | 29.1 | 32.4 | 59.7 | 80.1 | 129.7 | 169.5 | 204.6 | 182.0 | 1148.7 |
| 2001-2002 | 117.0 | 73.9 | 39.7 | 28.8 | 24.6 | 34.3 | 54.1 | 72.3 | 115.5 | 169.5 | 209.5 | 173.6 | 1112.8 |
| 2002-2003 | 110.6 | 75.1 | 44.6 | 26.8 | 30.6 | 28.7 | 44.4 | 73.4 | 145.2 | 183.8 | 224.6 | 197.0 | 1184.9 |
| 2003-2004 | 118.7 | 79.6 | 43.0 | 30.1 | 27.0 | 31.7 | 53.5 | 76.4 | 118.2 | 172.5 | 211.3 | 174.8 | 1136.8 |
| 2004-2005 | 117.9 | 82.8 | 41.7 | 27.8 | 29.0 | 30.1 | 52.8 | 80.3 | 124.2 | 167.2 | 208.6 | 181.6 | 1144.0 |
| 2005-2006 | 122.1 | 69.8 | 38.3 | 30.8 | 27.0 | 31.8 | 51.2 | 81.5 | 126.2 | 174.4 | 210.3 | 189.6 | 1153.0 |
| 2006-2007 | 130.6 | 78.2 | 39.1 | 27.8 | 22.6 | 27.2 | 41.2 | 56.2 | 105.5 | 139.9 | 164.4 | 147.0 | 979.5 |
| 2007-2008 | 92.1 | 64.9 | 35.9 | 24.3 | 27.0 | 30.4 | 58.5 | 77.3 | 112.0 | 167.1 | 187.8 | 167.5 | 1044.8 |
| 2008-2009 | 109.0 | 70.0 | 47.3 | 32.3 | 31.4 | 34.4 | 50.9 | 74.9 | 111.3 | 165.7 | 190.2 | 164.0 | 1081.5 |
| 2009-2010 | 106.7 | 77.6 | 42.9 | 33.9 | 32.8 | 36.0 | 56.0 | 77.8 | 116.2 | 151.6 | 174.9 | 176.4 | 1082.8 |
| 2010-2011 | 118.1 | 75.4 | 49.4 | 35.8 | 30.9 | 34.4 | 52.0 | 73.4 | 109.4 | 153.3 | 183.0 | 166.3 | 1081.2 |
| 2011-2012 | 114.5 | 69.1 | 37.4 | 30.9 | 28.4 | 31.3 | 49.2 | 74.5 | 110.3 | 148.4 | 196.5 | 175.0 | 1065.5 |
| 2012-2013 | 112.3 | 76.0 | 45.8 | 32.5 | 30.2 | 36.6 | 54.7 | 78.5 | 125.3 | 155.6 | 179.5 | 167.4 | 1094.4 |
| 2013-2014 | 110.0 | 68.0 | 46.9 | 29.3 | 33.5 | 36.0 | 56.4 | 77.3 | 112.5 | 155.7 | 177.1 | 164.7 | 1067.2 |
| 2014-2015 | 112.1 | 70.9 | 42.2 | 34.4 | 29.3 | 33.0 | 54.8 | 70.4 | 114.6 | 142.7 | 178.6 | 170.1 | 1053.2 |
| AVERAGE | 115.0 | 74.4 | 41.7 | 29.9 | 28.0 | 31.6 | 50.3 | 75.5 | 119.4 | 165.9 | 198.5 | 174.7 | |

**Table A. 152** Yesilirmak station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 122.9 | 85.9 | 38.4 | 26.8 | 20.4 | 28.0 | 35.2 | 63.7 | 95.6 | 189.8 | 200.3 | 161.7 | 1068.8 |
| 1979-1980 | 151.2 | 93.2 | 55.3 | 20.7 | 12.8 | 17.1 | 25.6 | 52.3 | 98.0 | 188.0 | 206.1 | 190.4 | 1110.6 |
| 1980-1981 | 133.0 | 88.7 | 49.2 | 24.1 | 15.7 | 18.2 | 35.8 | 62.6 | 82.4 | 194.8 | 209.7 | 180.0 | 1094.3 |
| 1981-1982 | 140.9 | 103.2 | 36.8 | 29.4 | 20.1 | 14.1 | 24.3 | 67.3 | 105.3 | 182.0 | 200.6 | 187.7 | 1111.7 |
| 1982-1983 | 171.2 | 101.7 | 37.6 | 21.2 | 11.4 | 14.8 | 27.3 | 64.4 | 120.0 | 181.1 | 221.8 | 186.3 | 1158.8 |
| 1983-1984 | 130.3 | 91.0 | 60.2 | 30.8 | 19.6 | 23.2 | 29.9 | 51.5 | 103.2 | 160.8 | 182.3 | 159.9 | 1042.7 |
| 1984-1985 | 136.4 | 84.5 | 36.4 | 16.8 | 19.0 | 12.4 | 28.1 | 63.2 | 125.0 | 188.4 | 224.7 | 195.5 | 1130.4 |
| 1985-1986 | 141.7 | 68.6 | 47.4 | 21.4 | 16.6 | 24.8 | 34.3 | 80.1 | 91.0 | 174.7 | 188.8 | 165.0 | 1054.5 |
| 1986-1987 | 164.6 | 84.9 | 31.9 | 20.2 | 20.3 | 26.3 | 18.4 | 54.1 | 95.6 | 186.9 | 227.0 | 190.1 | 1120.2 |
| 1987-1988 | 146.5 | 71.7 | 36.0 | 19.2 | 15.4 | 17.4 | 24.8 | 61.1 | 111.0 | 182.1 | 230.3 | 178.1 | 1093.5 |
| 1988-1989 | 161.1 | 81.5 | 29.8 | 19.2 | 8.7 | 15.0 | 32.5 | 87.8 | 120.2 | 171.3 | 219.5 | 179.9 | 1126.5 |
| 1989-1990 | 152.0 | 76.2 | 47.5 | 24.1 | 11.7 | 18.3 | 33.0 | 67.5 | 107.9 | 188.2 | 220.6 | 190.2 | 1137.2 |
| 1990-1991 | 143.4 | 91.2 | 50.3 | 24.5 | 15.4 | 17.9 | 37.8 | 69.4 | 95.2 | 186.0 | 197.4 | 177.2 | 1105.6 |
| 1991-1992 | 165.6 | 105.8 | 49.6 | 17.5 | 12.8 | 9.3 | 24.2 | 62.1 | 111.7 | 198.6 | 227.0 | 226.6 | 1210.8 |
| 1992-1993 | 156.9 | 101.0 | 48.8 | 12.9 | 15.2 | 16.1 | 29.5 | 63.6 | 99.4 | 225.4 | 241.5 | 197.8 | 1208.1 |
| 1993-1994 | 115.1 | 99.2 | 34.5 | 23.4 | 21.3 | 20.1 | 28.4 | 73.2 | 110.4 | 177.1 | 201.5 | 187.5 | 1091.7 |
| 1994-1995 | 152.9 | 93.4 | 34.1 | 15.2 | 17.0 | 19.9 | 31.9 | 53.4 | 100.8 | 200.3 | 208.1 | 175.7 | 1102.6 |
| 1995-1996 | 154.0 | 83.5 | 29.0 | 18.3 | 13.5 | 23.4 | 30.1 | 55.6 | 136.7 | 217.8 | 236.1 | 168.8 | 1166.9 |
| 1996-1997 | 144.0 | 72.2 | 47.5 | 26.6 | 19.4 | 15.2 | 24.2 | 48.2 | 115.1 | 200.4 | 236.1 | 171.1 | 1120.1 |
| 1997-1998 | 127.1 | 75.8 | 41.3 | 21.4 | 14.4 | 18.1 | 23.9 | 69.7 | 96.5 | 171.0 | 230.2 | 207.9 | 1097.2 |
| 1998-1999 | 127.3 | 81.9 | 45.5 | 21.8 | 16.2 | 17.9 | 26.7 | 52.6 | 106.5 | 173.1 | 187.0 | 158.2 | 1014.8 |
| 1999-2000 | 142.7 | 88.2 | 41.0 | 26.8 | 7.7 | 12.8 | 24.0 | 61.1 | 99.2 | 199.0 | 228.9 | 175.6 | 1107.0 |
| 2000-2001 | 136.8 | 71.9 | 40.5 | 19.2 | 16.9 | 19.0 | 42.5 | 63.7 | 108.7 | 170.4 | 198.0 | 172.8 | 1060.3 |
| 2001-2002 | 146.9 | 85.3 | 38.8 | 20.4 | 10.8 | 24.7 | 37.4 | 56.7 | 99.3 | 188.6 | 224.8 | 179.7 | 1113.5 |
| 2002-2003 | 122.6 | 79.2 | 44.9 | 15.1 | 19.4 | 12.6 | 19.8 | 52.7 | 128.2 | 189.9 | 220.5 | 188.6 | 1093.4 |
| 2003-2004 | 139.9 | 89.6 | 43.0 | 21.5 | 13.8 | 18.3 | 34.0 | 59.5 | 96.5 | 180.1 | 212.3 | 169.7 | 1078.3 |
| 2004-2005 | 137.3 | 94.2 | 40.2 | 17.2 | 17.1 | 15.2 | 32.6 | 65.4 | 103.7 | 170.8 | 207.0 | 175.9 | 1076.5 |
| 2005-2006 | 145.0 | 72.4 | 33.6 | 22.9 | 13.8 | 18.4 | 30.4 | 67.8 | 107.0 | 182.5 | 210.5 | 186.1 | 1090.5 |
| 2006-2007 | 231.6 | 126.4 | 51.1 | 25.0 | 10.2 | 15.4 | 23.3 | 40.7 | 114.8 | 194.3 | 223.4 | 195.9 | 1252.2 |
| 2007-2008 | 122.0 | 80.8 | 36.6 | 14.2 | 17.4 | 20.1 | 52.9 | 77.8 | 111.2 | 220.0 | 232.2 | 202.3 | 1187.6 |
| 2008-2009 | 131.8 | 77.3 | 55.0 | 27.3 | 22.7 | 24.6 | 31.9 | 60.7 | 92.4 | 181.1 | 197.8 | 166.3 | 1069.0 |
| 2009-2010 | 123.6 | 88.3 | 44.0 | 29.6 | 24.4 | 27.2 | 38.9 | 63.5 | 96.2 | 153.5 | 171.5 | 176.0 | 1036.8 |
| 2010-2011 | 142.6 | 84.5 | 57.6 | 33.5 | 21.1 | 23.9 | 32.5 | 56.1 | 86.7 | 156.1 | 182.1 | 163.9 | 1040.6 |
| 2011-2012 | 155.3 | 83.0 | 36.9 | 26.8 | 18.7 | 20.4 | 31.9 | 66.1 | 99.8 | 169.4 | 226.3 | 196.8 | 1131.4 |
| 2012-2013 | 130.9 | 84.3 | 49.2 | 26.5 | 19.5 | 27.9 | 36.3 | 63.7 | 107.1 | 157.0 | 174.7 | 162.7 | 1039.8 |
| 2013-2014 | 134.9 | 74.3 | 54.6 | 21.4 | 26.8 | 28.2 | 41.2 | 65.6 | 95.1 | 167.0 | 182.1 | 168.8 | 1060.0 |
| 2014-2015 | 145.3 | 83.7 | 46.6 | 33.6 | 19.8 | 23.2 | 40.5 | 56.1 | 102.9 | 153.5 | 193.2 | 183.8 | 1082.2 |
| AVERAGE | 144.0 | 86.4 | 43.3 | 22.6 | 16.7 | 19.4 | 31.2 | 62.2 | 104.8 | 183.0 | 210.3 | 181.1 | |

**Table A. 153** Yesilirmak station Hargreaves station

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 180.9 | 177 | 145.5 | 141.8 | 133.8 | 125.1 | 142.3 | 150.9 | 170.6 | 190 | 204.5 | 201.2 | 1963.7 |
| 1979-1980 | 189.2 | 179.1 | 156.7 | 133.8 | 122.2 | 113.9 | 132.8 | 143.8 | 170.1 | 187.8 | 204.1 | 208.8 | 1942.2 |
| 1980-1981 | 183.4 | 177.3 | 152.9 | 138.2 | 126.9 | 115.1 | 142 | 149.6 | 163.6 | 190.1 | 205.7 | 206 | 1950.8 |
| 1981-1982 | 184 | 182.2 | 142.1 | 142.5 | 131.8 | 109.6 | 130.6 | 150.4 | 171.7 | 184.5 | 200.7 | 205.9 | 1936.0 |
| 1982-1983 | 191.1 | 179.1 | 141.2 | 132.3 | 118.3 | 109.6 | 132.3 | 147.3 | 175.1 | 181.8 | 203.4 | 202.6 | 1913.9 |
| 1983-1984 | 184.5 | 180.4 | 161.8 | 146.5 | 133.3 | 121.2 | 138.1 | 144.9 | 174.5 | 182.9 | 200.2 | 201.5 | 1969.7 |
| 1984-1985 | 183.8 | 174.5 | 142.6 | 128.5 | 131.2 | 108 | 134.9 | 149.3 | 180.5 | 187.6 | 208.7 | 210.1 | 1939.8 |
| 1985-1986 | 190.6 | 169.7 | 154.3 | 137.1 | 130 | 123.6 | 143.1 | 160.9 | 170.8 | 188.8 | 204.3 | 205.5 | 1978.6 |
| 1986-1987 | 193.7 | 175 | 139 | 133.2 | 133 | 122.9 | 125.2 | 144.8 | 169.2 | 187.6 | 209.8 | 208.8 | 1942.2 |
| 1987-1988 | 192.5 | 171.7 | 145.3 | 134.2 | 128.4 | 116 | 134.3 | 151.5 | 179.6 | 191 | 216.1 | 210.2 | 1970.8 |
| 1988-1989 | 193.4 | 174 | 137.6 | 132.3 | 115.2 | 111.7 | 139.5 | 161.5 | 179.8 | 184.3 | 208.9 | 206.5 | 1944.8 |
| 1989-1990 | 186.3 | 167.7 | 149.1 | 136.1 | 119.3 | 113.9 | 137.7 | 149.4 | 171.4 | 184.6 | 204.3 | 205 | 1924.9 |
| 1990-1991 | 184.5 | 176.3 | 151.8 | 137.2 | 125.4 | 113.9 | 142 | 151.1 | 167.3 | 185.2 | 199.5 | 202.2 | 1936.4 |
| 1991-1992 | 184.6 | 176.6 | 146.8 | 125.6 | 118.7 | 101 | 127.2 | 143.2 | 168 | 181.5 | 199.3 | 208.7 | 1881.2 |
| 1992-1993 | 182.2 | 174.7 | 146.3 | 119.6 | 122.3 | 109.5 | 131.8 | 144 | 163.6 | 187.6 | 203 | 200.9 | 1885.7 |
| 1993-1994 | 176.6 | 182.2 | 141.4 | 137.2 | 134.3 | 117.1 | 135.6 | 154.6 | 175.5 | 185.2 | 203.2 | 208.2 | 1951.0 |
| 1994-1995 | 192.3 | 181.4 | 142.3 | 127.6 | 129.6 | 117.8 | 139.8 | 145.9 | 173.4 | 193.4 | 207.4 | 206.8 | 1957.7 |
| 1995-1996 | 186.7 | 171.3 | 134.4 | 129.2 | 122.1 | 118.7 | 135.1 | 143.4 | 181.7 | 191.5 | 207.9 | 197.9 | 1919.9 |
| 1996-1997 | 186.5 | 167.9 | 151.1 | 140.4 | 131.7 | 111.5 | 131.2 | 141.2 | 176.7 | 190.6 | 211.7 | 202.1 | 1942.6 |
| 1997-1998 | 183.7 | 172.6 | 148.6 | 136.2 | 126.1 | 116.1 | 132.6 | 154.8 | 171.9 | 186.3 | 214.1 | 217.9 | 1960.9 |
| 1998-1999 | 192.1 | 183.5 | 157.7 | 141.2 | 132.8 | 119.4 | 139.8 | 151.2 | 183.8 | 195.4 | 211.6 | 210.7 | 2019.1 |
| 1999-2000 | 190 | 179.9 | 148.9 | 142.9 | 114 | 110 | 133 | 150.9 | 173.7 | 194.4 | 214.6 | 208.2 | 1960.5 |
| 2000-2001 | 189.3 | 172.1 | 149.3 | 134.3 | 130.7 | 117.9 | 149.9 | 153.2 | 178.9 | 188.1 | 207.5 | 208.8 | 1980.0 |
| 2001-2002 | 187.9 | 175.2 | 144.9 | 133.5 | 118.9 | 121.4 | 143 | 146.2 | 170.8 | 188.1 | 209.2 | 205.5 | 1944.6 |
| 2002-2003 | 184 | 176.4 | 152.9 | 128.5 | 134.3 | 110.1 | 129.1 | 147.2 | 186.8 | 193.6 | 214.2 | 214.4 | 1971.4 |
| 2003-2004 | 188.9 | 180.5 | 150.3 | 136.7 | 125.4 | 116.5 | 142.2 | 149.9 | 172.4 | 189.3 | 209.9 | 206 | 1967.9 |
| 2004-2005 | 188.4 | 183.2 | 148.4 | 131.2 | 130.6 | 113 | 141.3 | 153.3 | 175.9 | 187.2 | 208.9 | 208.6 | 1970.0 |
| 2005-2006 | 190.8 | 171.2 | 142.5 | 138.3 | 125.4 | 116.7 | 139.1 | 154.3 | 177 | 190 | 209.5 | 211.7 | 1966.6 |
| 2006-2007 | 195.3 | 179.2 | 143.9 | 131.1 | 112.8 | 106.6 | 123.8 | 129 | 164.4 | 174.9 | 192.1 | 193.7 | 1846.9 |
| 2007-2008 | 171.6 | 166.1 | 138.1 | 121.6 | 125.5 | 113.7 | 148.5 | 150.7 | 168.5 | 187.1 | 201.5 | 202.9 | 1896.0 |
| 2008-2009 | 183 | 171.4 | 156.8 | 141.7 | 136.2 | 121.6 | 138.7 | 148.6 | 168.2 | 186.5 | 202.4 | 201.4 | 1956.6 |
| 2009-2010 | 181.6 | 178.6 | 150.2 | 145 | 139.1 | 124.6 | 145.4 | 151.2 | 171.2 | 180.5 | 196.5 | 206.6 | 1970.6 |
| 2010-2011 | 188.5 | 176.7 | 159.8 | 148.9 | 135 | 121.6 | 140.2 | 147.2 | 166.9 | 181.2 | 199.7 | 202.4 | 1968.1 |
| 2011-2012 | 186.4 | 170.5 | 140.8 | 138.5 | 129 | 115.6 | 136.3 | 148.3 | 167.5 | 179 | 204.7 | 206.1 | 1922.7 |
| 2012-2013 | 185.1 | 177.2 | 154.6 | 142.2 | 133.4 | 125.6 | 143.8 | 151.8 | 176.5 | 182.2 | 198.4 | 202.9 | 1973.7 |
| 2013-2014 | 183.7 | 169.3 | 156.2 | 134.7 | 140.6 | 124.5 | 145.9 | 150.7 | 168.9 | 182.3 | 197.4 | 201.8 | 1956.1 |
| 2014-2015 | 184.9 | 172.3 | 149.1 | 146.2 | 131.3 | 119 | 144 | 144.3 | 170.2 | 176.3 | 198 | 204 | 1939.7 |
| AVERAGE | 186.5 | 175.5 | 148.0 | 135.8 | 127.8 | 116.0 | 137.6 | 148.9 | 172.9 | 186.4 | 205.2 | 205.8 | |

**Table A. 154** Yesilirmak station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 138.9 | 65.39 | 48.97 | 45.31 | 44.05 | 44.72 | 55.9 | 122.7 | 148.7 | 171.6 | 181.6 | 168.1 | 1236.2 |
| 1979-1980 | 145.3 | 66.17 | 52.72 | 42.76 | 40.19 | 40.69 | 52.15 | 116.9 | 148.4 | 169.6 | 181.3 | 174.5 | 1230.6 |
| 1980-1981 | 140.9 | 65.52 | 51.45 | 44.14 | 41.75 | 41.15 | 55.79 | 121.6 | 142.7 | 171.6 | 182.7 | 172.2 | 1231.5 |
| 1981-1982 | 141.3 | 67.3 | 47.82 | 45.55 | 43.36 | 39.18 | 51.31 | 122.2 | 149.7 | 166.6 | 178.2 | 172.1 | 1224.7 |
| 1982-1983 | 146.7 | 66.18 | 47.52 | 42.26 | 38.91 | 39.15 | 51.96 | 119.7 | 152.7 | 164.2 | 180.6 | 169.3 | 1219.3 |
| 1983-1984 | 141.7 | 66.63 | 54.44 | 46.82 | 43.85 | 43.3 | 54.25 | 117.8 | 152.2 | 165.2 | 177.8 | 168.4 | 1232.3 |
| 1984-1985 | 141.2 | 64.45 | 48 | 41.07 | 43.15 | 38.6 | 53.01 | 121.4 | 157.4 | 169.4 | 185.4 | 175.6 | 1238.7 |
| 1985-1986 | 146.4 | 62.69 | 51.95 | 43.79 | 42.77 | 44.17 | 56.22 | 130.8 | 148.9 | 170.5 | 181.5 | 171.7 | 1251.3 |
| 1986-1987 | 148.8 | 64.66 | 46.77 | 42.58 | 43.74 | 43.9 | 49.21 | 117.7 | 147.6 | 169.5 | 186.3 | 174.5 | 1235.2 |
| 1987-1988 | 147.8 | 63.42 | 48.89 | 42.87 | 42.22 | 41.46 | 52.75 | 123.2 | 156.6 | 172.5 | 192 | 175.7 | 1259.3 |
| 1988-1989 | 148.6 | 64.29 | 46.3 | 42.3 | 37.89 | 39.91 | 54.83 | 131.3 | 156.8 | 166.5 | 185.5 | 172.6 | 1246.8 |
| 1989-1990 | 143 | 61.95 | 50.2 | 43.48 | 39.23 | 40.69 | 54.09 | 121.5 | 149.5 | 166.7 | 181.5 | 171.3 | 1223.2 |
| 1990-1991 | 141.7 | 65.12 | 51.09 | 43.83 | 41.26 | 40.7 | 55.83 | 122.9 | 145.9 | 167.3 | 177.1 | 169 | 1221.7 |
| 1991-1992 | 141.8 | 65.26 | 49.39 | 40.15 | 39.06 | 36.1 | 49.95 | 116.4 | 146.5 | 163.9 | 177.1 | 174.4 | 1200.0 |
| 1992-1993 | 140 | 64.57 | 49.24 | 38.19 | 40.24 | 39.12 | 51.81 | 117.1 | 142.7 | 169.4 | 180.3 | 167.9 | 1200.5 |
| 1993-1994 | 135.6 | 67.33 | 47.56 | 43.83 | 44.19 | 41.86 | 53.27 | 125.7 | 153 | 167.3 | 180.5 | 174 | 1234.1 |
| 1994-1995 | 147.7 | 67.02 | 47.89 | 40.76 | 42.64 | 42.1 | 54.92 | 118.6 | 151.2 | 174.7 | 184.2 | 172.8 | 1244.5 |
| 1995-1996 | 143.4 | 63.29 | 45.24 | 41.28 | 40.15 | 42.42 | 53.08 | 116.6 | 158.5 | 172.9 | 184.7 | 165.4 | 1226.9 |
| 1996-1997 | 143.2 | 62.03 | 50.85 | 44.87 | 43.31 | 39.83 | 51.57 | 114.8 | 154.2 | 172.1 | 188 | 168.9 | 1233.7 |
| 1997-1998 | 141.1 | 63.78 | 50.01 | 43.51 | 41.49 | 41.51 | 52.08 | 125.8 | 150 | 168.2 | 190.1 | 182.1 | 1249.7 |
| 1998-1999 | 147.5 | 67.8 | 53.09 | 45.13 | 43.67 | 42.66 | 54.92 | 122.9 | 160.3 | 176.4 | 187.9 | 176.1 | 1278.5 |
| 1999-2000 | 146 | 66.46 | 50.08 | 45.68 | 37.49 | 39.29 | 52.26 | 122.7 | 151.5 | 175.6 | 190.6 | 174 | 1251.5 |
| 2000-2001 | 145.4 | 63.58 | 50.24 | 42.93 | 42.98 | 42.13 | 58.92 | 124.5 | 156 | 169.8 | 184.4 | 174.5 | 1255.4 |
| 2001-2002 | 144.3 | 64.74 | 48.75 | 42.66 | 39.11 | 43.41 | 56.19 | 118.9 | 148.9 | 169.8 | 185.8 | 171.7 | 1234.3 |
| 2002-2003 | 141.4 | 65.16 | 51.46 | 41.07 | 44.18 | 39.36 | 50.71 | 119.6 | 163 | 174.8 | 190.2 | 179.2 | 1260.1 |
| 2003-2004 | 145.1 | 66.68 | 50.58 | 43.67 | 41.24 | 41.63 | 55.86 | 121.9 | 150.4 | 170.9 | 186.4 | 172.1 | 1246.4 |
| 2004-2005 | 144.7 | 67.7 | 49.93 | 41.91 | 42.94 | 40.4 | 55.52 | 124.6 | 153.4 | 169 | 185.6 | 174.4 | 1250.0 |
| 2005-2006 | 146.5 | 63.24 | 47.96 | 44.21 | 41.23 | 41.7 | 54.66 | 125.5 | 154.4 | 171.6 | 186.1 | 176.9 | 1253.9 |
| 2006-2007 | 150.1 | 66.21 | 48.42 | 41.91 | 37.1 | 38.1 | 48.63 | 104.8 | 143.3 | 158 | 170.7 | 161.9 | 1169.1 |
| 2007-2008 | 131.8 | 61.35 | 46.48 | 38.85 | 41.29 | 40.63 | 58.37 | 122.5 | 147 | 169 | 179 | 169.6 | 1205.8 |
| 2008-2009 | 140.6 | 63.32 | 52.77 | 45.27 | 44.81 | 43.45 | 54.51 | 120.8 | 146.7 | 168.5 | 179.8 | 168.4 | 1228.8 |
| 2009-2010 | 139.5 | 65.99 | 50.54 | 46.35 | 45.76 | 44.54 | 57.15 | 122.9 | 149.3 | 163 | 174.5 | 172.7 | 1232.1 |
| 2010-2011 | 144.8 | 65.26 | 53.77 | 47.59 | 44.42 | 43.48 | 55.07 | 119.6 | 145.5 | 163.6 | 177.4 | 169.2 | 1229.7 |
| 2011-2012 | 143.2 | 62.98 | 47.38 | 44.27 | 42.42 | 41.31 | 53.54 | 120.5 | 146.1 | 161.7 | 181.8 | 172.2 | 1217.4 |
| 2012-2013 | 142.1 | 65.47 | 52.03 | 45.44 | 43.86 | 44.91 | 56.52 | 123.4 | 153.9 | 164.6 | 176.2 | 169.6 | 1237.9 |
| 2013-2014 | 141.1 | 62.55 | 52.57 | 43.05 | 46.26 | 44.48 | 57.34 | 122.5 | 147.3 | 164.6 | 175.3 | 168.6 | 1225.7 |
| 2014-2015 | 142 | 63.66 | 50.18 | 46.71 | 43.17 | 42.52 | 56.57 | 117.3 | 148.4 | 159.2 | 175.9 | 170.5 | 1216.2 |
| AVERAGE | 143.3 | 64.8 | 49.8 | 43.4 | 42.0 | 41.5 | 54.1 | 121.1 | 150.8 | 168.4 | 182.3 | 171.9 | |

**Table A. 155** Yesilirmak station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 115.1 | 92.85 | 57.2 | 45.85 | 45.08 | 51.71 | 80.54 | 100.4 | 128.5 | 149.5 | 156.8 | 143.8 | 1167.2 |
| 1979-1980 | 119.8 | 94.02 | 63.45 | 41.36 | 38.54 | 45.39 | 75.21 | 96.35 | 128.2 | 148.2 | 156.6 | 148 | 1155.1 |
| 1980-1981 | 116.5 | 93.04 | 61.35 | 43.79 | 41.2 | 46.09 | 80.37 | 99.6 | 124.6 | 149.5 | 157.4 | 146.5 | 1159.9 |
| 1981-1982 | 116.9 | 95.75 | 55.29 | 46.24 | 43.94 | 43.02 | 73.99 | 100.1 | 129.1 | 146.4 | 154.6 | 146.4 | 1151.7 |
| 1982-1983 | 120.8 | 94.02 | 54.78 | 40.48 | 36.39 | 42.98 | 74.93 | 98.34 | 131 | 144.8 | 156.1 | 144.6 | 1139.3 |
| 1983-1984 | 117.1 | 94.74 | 66.32 | 48.49 | 44.77 | 49.49 | 78.19 | 96.97 | 130.7 | 145.5 | 154.3 | 143.9 | 1170.5 |
| 1984-1985 | 116.8 | 91.43 | 55.58 | 38.4 | 43.59 | 42.11 | 76.4 | 99.48 | 134 | 148.1 | 159.1 | 148.7 | 1153.8 |
| 1985-1986 | 120.6 | 88.76 | 62.15 | 43.18 | 42.93 | 50.85 | 80.99 | 105.9 | 128.6 | 148.8 | 156.6 | 146.2 | 1175.5 |
| 1986-1987 | 122.3 | 91.75 | 53.54 | 41.02 | 44.6 | 50.43 | 70.99 | 96.92 | 127.7 | 148.1 | 159.7 | 148.1 | 1155.1 |
| 1987-1988 | 121.6 | 89.88 | 57.09 | 41.56 | 42.03 | 46.6 | 76.05 | 100.7 | 133.5 | 150 | 163.3 | 148.8 | 1171.1 |
| 1988-1989 | 122.1 | 91.18 | 52.76 | 40.53 | 34.63 | 44.17 | 78.99 | 106.3 | 133.6 | 146.3 | 159.2 | 146.8 | 1156.6 |
| 1989-1990 | 118.1 | 87.64 | 59.23 | 42.63 | 36.94 | 45.39 | 77.98 | 99.54 | 128.9 | 146.4 | 156.6 | 145.9 | 1145.4 |
| 1990-1991 | 117.2 | 92.44 | 60.74 | 43.24 | 40.37 | 45.41 | 80.4 | 100.5 | 126.6 | 146.8 | 153.9 | 144.3 | 1151.9 |
| 1991-1992 | 117.2 | 92.65 | 57.9 | 36.78 | 36.61 | 38.19 | 72.09 | 96.02 | 127 | 144.7 | 153.9 | 148 | 1120.9 |
| 1992-1993 | 115.9 | 91.57 | 57.66 | 33.37 | 38.63 | 42.92 | 74.67 | 96.51 | 124.6 | 148.1 | 155.9 | 143.6 | 1123.4 |
| 1993-1994 | 112.7 | 95.79 | 54.88 | 43.26 | 45.36 | 47.2 | 76.77 | 102.4 | 131.2 | 146.8 | 156 | 147.7 | 1160.1 |
| 1994-1995 | 121.5 | 95.34 | 55.4 | 37.86 | 42.73 | 47.58 | 79.15 | 97.54 | 130 | 151.4 | 158.4 | 146.9 | 1163.8 |
| 1995-1996 | 118.4 | 89.68 | 50.99 | 38.77 | 38.48 | 48.1 | 76.52 | 96.13 | 134.7 | 150.3 | 158.7 | 142 | 1142.6 |
| 1996-1997 | 118.3 | 87.74 | 60.33 | 45.06 | 43.87 | 44.04 | 74.33 | 94.93 | 131.9 | 149.8 | 160.8 | 144.3 | 1155.4 |
| 1997-1998 | 116.7 | 90.39 | 58.94 | 42.71 | 40.75 | 46.66 | 75.1 | 102.5 | 129.2 | 147.4 | 162.1 | 153.1 | 1165.6 |
| 1998-1999 | 121.4 | 96.48 | 64.06 | 45.52 | 44.48 | 48.49 | 79.15 | 100.5 | 135.9 | 152.5 | 160.7 | 149.1 | 1198.3 |
| 1999-2000 | 120.2 | 94.47 | 59.08 | 46.46 | 33.96 | 43.21 | 75.32 | 100.4 | 130.2 | 151.9 | 162.4 | 147.7 | 1165.4 |
| 2000-2001 | 119.8 | 90.11 | 59.34 | 41.64 | 43.31 | 47.64 | 84.83 | 101.6 | 133.1 | 148.4 | 158.5 | 148 | 1176.3 |
| 2001-2002 | 119 | 91.86 | 56.85 | 41.17 | 36.72 | 49.63 | 80.95 | 97.71 | 128.6 | 148.4 | 159.4 | 146.2 | 1156.5 |
| 2002-2003 | 116.9 | 92.49 | 61.35 | 38.38 | 45.35 | 43.31 | 73.15 | 98.27 | 137.6 | 151.5 | 162.2 | 151.2 | 1171.5 |
| 2003-2004 | 119.6 | 94.8 | 59.88 | 42.96 | 40.37 | 46.88 | 80.48 | 99.8 | 129.5 | 149.1 | 159.8 | 146.5 | 1169.5 |
| 2004-2005 | 119.3 | 96.34 | 58.81 | 39.87 | 43.26 | 44.94 | 80.01 | 101.7 | 131.4 | 147.9 | 159.2 | 147.9 | 1170.7 |
| 2005-2006 | 120.7 | 89.6 | 55.51 | 43.89 | 40.35 | 46.97 | 78.79 | 102.3 | 132.1 | 149.5 | 159.6 | 149.7 | 1168.8 |
| 2006-2007 | 123.2 | 94.1 | 56.3 | 39.84 | 33.28 | 41.33 | 70.17 | 88.05 | 125 | 141 | 149.8 | 139.6 | 1101.7 |
| 2007-2008 | 109.9 | 86.73 | 53.07 | 34.52 | 40.41 | 45.31 | 84.06 | 100.2 | 127.3 | 147.8 | 155.1 | 144.8 | 1129.2 |
| 2008-2009 | 116.3 | 89.71 | 63.53 | 45.77 | 46.43 | 49.72 | 78.55 | 99.07 | 127.1 | 147.5 | 155.6 | 143.9 | 1163.2 |
| 2009-2010 | 115.5 | 93.76 | 59.83 | 47.65 | 48.02 | 51.43 | 82.31 | 100.5 | 128.8 | 144.1 | 152.3 | 146.8 | 1171.0 |
| 2010-2011 | 119.4 | 92.66 | 65.2 | 49.83 | 45.75 | 49.76 | 79.37 | 98.27 | 126.4 | 144.5 | 154.1 | 144.5 | 1169.6 |
| 2011-2012 | 118.2 | 89.2 | 54.57 | 44 | 42.34 | 46.36 | 77.19 | 98.87 | 126.7 | 143.3 | 156.9 | 146.5 | 1144.2 |
| 2012-2013 | 117.5 | 92.97 | 62.3 | 46.05 | 44.81 | 51.99 | 81.42 | 100.9 | 131.8 | 145.1 | 153.3 | 144.7 | 1172.8 |
| 2013-2014 | 116.7 | 88.53 | 63.22 | 41.86 | 48.89 | 51.34 | 82.59 | 100.3 | 127.5 | 145.1 | 152.8 | 144.1 | 1162.9 |
| 2014-2015 | 117.4 | 90.22 | 59.22 | 48.29 | 43.63 | 48.27 | 81.49 | 96.68 | 128.3 | 141.8 | 153.1 | 145.4 | 1153.7 |
| AVERAGE | 118.3 | 92.0 | 58.6 | 42.5 | 41.7 | 46.6 | 77.9 | 99.2 | 129.8 | 147.5 | 157.2 | 146.3 | |

**Table A. 156** Ziyamet station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 103.3 | 75.7 | 36.0 | 29.3 | 28.4 | 34.0 | 50.2 | 69.2 | 105.8 | 153.2 | 176.3 | 143.3 | 1004.8 |
| 1979-1980 | 102.0 | 70.5 | 43.2 | 28.6 | 24.9 | 29.9 | 45.0 | 63.0 | 94.3 | 141.7 | 154.3 | 140.6 | 938.1 |
| 1980-1981 | 97.2 | 62.1 | 39.9 | 29.1 | 27.1 | 30.5 | 51.1 | 70.9 | 95.0 | 149.8 | 182.0 | 157.6 | 992.4 |
| 1981-1982 | 110.1 | 75.3 | 36.0 | 31.5 | 29.1 | 27.8 | 43.4 | 68.9 | 107.0 | 149.7 | 172.4 | 161.1 | 1012.4 |
| 1982-1983 | 116.2 | 73.4 | 36.6 | 26.9 | 24.0 | 28.5 | 44.8 | 67.9 | 109.2 | 137.6 | 174.3 | 150.1 | 989.5 |
| 1983-1984 | 103.6 | 62.5 | 41.2 | 30.3 | 30.4 | 35.5 | 52.3 | 70.0 | 119.9 | 157.7 | 170.0 | 156.9 | 1030.4 |
| 1984-1985 | 107.0 | 85.4 | 38.7 | 28.3 | 30.9 | 29.7 | 49.0 | 72.8 | 117.7 | 154.9 | 178.9 | 170.1 | 1063.5 |
| 1985-1986 | 114.4 | 69.4 | 45.2 | 29.7 | 30.2 | 34.0 | 52.0 | 84.3 | 106.7 | 148.4 | 174.3 | 154.3 | 1042.9 |
| 1986-1987 | 114.0 | 64.9 | 33.8 | 24.2 | 27.5 | 34.8 | 43.2 | 66.5 | 100.9 | 139.2 | 188.3 | 169.1 | 1006.3 |
| 1987-1988 | 114.8 | 70.0 | 41.4 | 28.7 | 28.4 | 31.7 | 48.1 | 72.1 | 121.1 | 159.6 | 207.3 | 174.7 | 1097.9 |
| 1988-1989 | 118.2 | 72.7 | 37.1 | 30.9 | 26.8 | 33.2 | 53.7 | 87.9 | 123.6 | 146.0 | 184.8 | 155.6 | 1070.4 |
| 1989-1990 | 108.6 | 63.1 | 40.4 | 30.2 | 26.7 | 32.2 | 54.0 | 77.5 | 112.1 | 144.4 | 178.6 | 163.3 | 1031.2 |
| 1990-1991 | 108.3 | 74.2 | 44.9 | 32.0 | 29.6 | 33.6 | 56.2 | 82.4 | 119.6 | 158.4 | 169.8 | 145.5 | 1054.5 |
| 1991-1992 | 98.6 | 69.2 | 38.3 | 24.8 | 23.3 | 23.8 | 42.9 | 64.4 | 97.9 | 135.2 | 157.1 | 154.7 | 930.3 |
| 1992-1993 | 103.4 | 69.4 | 38.6 | 23.9 | 25.9 | 27.2 | 45.7 | 65.2 | 96.5 | 143.0 | 169.4 | 141.0 | 949.1 |
| 1993-1994 | 100.5 | 79.5 | 37.2 | 31.6 | 31.0 | 31.2 | 50.2 | 79.9 | 125.3 | 166.8 | 184.3 | 171.8 | 1089.2 |
| 1994-1995 | 119.7 | 85.3 | 40.8 | 27.0 | 30.8 | 36.2 | 55.1 | 66.7 | 107.5 | 148.7 | 162.5 | 148.5 | 1028.7 |
| 1995-1996 | 104.0 | 64.1 | 34.1 | 27.8 | 25.8 | 32.0 | 45.7 | 62.3 | 108.9 | 145.8 | 169.3 | 151.8 | 971.4 |
| 1996-1997 | 101.5 | 68.3 | 41.6 | 34.6 | 31.1 | 30.7 | 46.2 | 65.5 | 113.2 | 157.1 | 189.7 | 145.6 | 1025.2 |
| 1997-1998 | 101.1 | 66.4 | 41.0 | 29.1 | 27.1 | 31.9 | 46.1 | 78.2 | 107.7 | 153.2 | 189.6 | 171.2 | 1042.4 |
| 1998-1999 | 108.2 | 73.3 | 45.1 | 30.0 | 30.8 | 33.5 | 51.8 | 70.2 | 124.6 | 153.0 | 185.2 | 168.0 | 1073.6 |
| 1999-2000 | 116.7 | 74.1 | 41.1 | 31.9 | 24.5 | 31.3 | 48.1 | 72.4 | 111.5 | 165.1 | 200.7 | 172.0 | 1089.3 |
| 2000-2001 | 117.1 | 68.8 | 43.5 | 31.2 | 31.0 | 35.3 | 61.3 | 81.1 | 116.0 | 162.5 | 191.6 | 175.1 | 1114.6 |
| 2001-2002 | 118.1 | 77.5 | 40.9 | 29.7 | 26.7 | 34.9 | 54.3 | 71.4 | 110.6 | 158.2 | 194.4 | 160.0 | 1076.6 |
| 2002-2003 | 113.0 | 73.0 | 44.6 | 27.6 | 32.2 | 29.4 | 47.1 | 71.0 | 129.9 | 160.4 | 197.4 | 179.3 | 1104.9 |
| 2003-2004 | 113.2 | 73.3 | 43.1 | 30.8 | 28.3 | 31.9 | 56.5 | 79.3 | 116.9 | 158.7 | 192.1 | 161.4 | 1085.4 |
| 2004-2005 | 114.9 | 81.9 | 44.4 | 28.1 | 30.2 | 32.6 | 55.1 | 78.0 | 120.1 | 154.5 | 181.9 | 168.8 | 1090.4 |
| 2005-2006 | 119.5 | 69.4 | 40.0 | 33.0 | 29.5 | 36.2 | 57.7 | 83.3 | 126.1 | 171.4 | 205.6 | 178.4 | 1150.0 |
| 2006-2007 | 131.8 | 82.2 | 42.8 | 31.4 | 30.1 | 36.4 | 57.3 | 77.8 | 131.5 | 178.4 | 214.1 | 187.8 | 1201.8 |
| 2007-2008 | 126.1 | 89.5 | 49.0 | 34.0 | 29.9 | 34.4 | 61.8 | 78.6 | 112.0 | 164.9 | 183.4 | 163.8 | 1127.1 |
| 2008-2009 | 112.8 | 74.5 | 46.0 | 30.7 | 30.1 | 33.1 | 49.4 | 74.1 | 111.9 | 163.7 | 188.0 | 166.0 | 1080.3 |
| 2009-2010 | 107.9 | 79.1 | 42.0 | 33.3 | 31.8 | 34.9 | 55.7 | 78.2 | 116.3 | 150.6 | 175.9 | 178.1 | 1083.7 |
| 2010-2011 | 120.1 | 76.6 | 49.1 | 35.5 | 30.3 | 33.8 | 51.8 | 71.6 | 108.5 | 152.0 | 184.0 | 166.8 | 1080.1 |
| 2011-2012 | 116.5 | 70.7 | 36.5 | 29.5 | 27.4 | 30.8 | 46.8 | 73.6 | 110.3 | 158.0 | 197.2 | 174.3 | 1071.5 |
| 2012-2013 | 115.0 | 75.5 | 45.1 | 31.5 | 29.2 | 35.9 | 53.5 | 77.4 | 122.9 | 154.0 | 182.3 | 167.1 | 1089.3 |
| 2013-2014 | 110.7 | 68.2 | 46.7 | 28.5 | 32.2 | 35.2 | 55.8 | 77.4 | 111.3 | 151.4 | 176.2 | 163.3 | 1056.9 |
| 2014-2015 | 112.5 | 71.6 | 40.8 | 33.9 | 28.3 | 32.6 | 53.8 | 69.4 | 115.2 | 142.1 | 178.1 | 170.0 | 1048.3 |
| AVERAGE | 111.4 | 73.0 | 41.3 | 30.0 | 28.7 | 32.4 | 51.2 | 73.5 | 113.1 | 153.8 | 182.7 | 162.9 | |

**Table A. 157** Ziyamet station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 120.5 | 80.7 | 33.4 | 24.5 | 20.0 | 27.8 | 36.6 | 57.2 | 85.7 | 174.7 | 205.5 | 158.3 | 1025.0 |
| 1979-1980 | 138.2 | 84.2 | 55.9 | 26.9 | 15.7 | 22.4 | 32.0 | 54.2 | 81.9 | 183.9 | 202.3 | 180.8 | 1078.2 |
| 1980-1981 | 117.2 | 63.5 | 43.8 | 25.4 | 18.5 | 21.5 | 40.6 | 63.9 | 75.3 | 179.5 | 227.0 | 188.9 | 1065.1 |
| 1981-1982 | 131.7 | 80.5 | 33.8 | 29.5 | 21.5 | 15.0 | 24.5 | 57.0 | 87.7 | 170.1 | 200.8 | 184.4 | 1036.5 |
| 1982-1983 | 151.9 | 83.2 | 37.6 | 21.2 | 12.7 | 17.8 | 29.1 | 59.7 | 97.3 | 162.6 | 220.4 | 182.3 | 1075.9 |
| 1983-1984 | 113.3 | 57.2 | 41.2 | 25.0 | 22.4 | 29.0 | 37.8 | 54.6 | 97.4 | 169.5 | 182.4 | 165.9 | 995.8 |
| 1984-1985 | 112.7 | 84.9 | 34.9 | 20.1 | 22.2 | 16.6 | 30.4 | 56.5 | 90.5 | 157.0 | 185.3 | 174.1 | 985.3 |
| 1985-1986 | 122.6 | 64.1 | 46.5 | 22.6 | 20.9 | 24.5 | 35.4 | 74.8 | 77.6 | 147.4 | 178.8 | 154.5 | 969.7 |
| 1986-1987 | 145.8 | 68.5 | 30.9 | 15.2 | 19.5 | 31.4 | 25.7 | 56.0 | 84.2 | 162.4 | 239.0 | 207.2 | 1085.7 |
| 1987-1988 | 119.2 | 62.9 | 38.5 | 20.1 | 17.2 | 19.7 | 28.0 | 53.3 | 91.2 | 157.7 | 214.2 | 173.4 | 995.4 |
| 1988-1989 | 124.8 | 67.0 | 31.3 | 24.3 | 14.8 | 22.5 | 37.3 | 78.7 | 94.8 | 140.4 | 188.2 | 152.5 | 976.9 |
| 1989-1990 | 122.5 | 59.1 | 40.4 | 25.1 | 16.0 | 22.6 | 41.5 | 68.5 | 89.4 | 152.0 | 198.1 | 177.1 | 1012.3 |
| 1990-1991 | 110.2 | 68.1 | 44.4 | 26.0 | 19.3 | 23.0 | 40.8 | 69.1 | 89.3 | 155.5 | 166.2 | 138.3 | 950.3 |
| 1991-1992 | 144.2 | 89.1 | 48.4 | 19.4 | 13.5 | 10.2 | 30.4 | 62.8 | 95.2 | 188.4 | 228.1 | 223.7 | 1153.4 |
| 1992-1993 | 144.0 | 84.0 | 46.0 | 16.2 | 18.0 | 16.6 | 34.3 | 60.2 | 87.1 | 191.1 | 235.3 | 185.7 | 1118.6 |
| 1993-1994 | 98.5 | 73.8 | 30.6 | 25.0 | 21.4 | 18.4 | 30.8 | 64.4 | 94.3 | 164.7 | 182.4 | 167.3 | 971.6 |
| 1994-1995 | 132.7 | 86.4 | 39.5 | 18.1 | 22.6 | 29.5 | 41.6 | 47.8 | 80.3 | 151.6 | 167.0 | 150.9 | 967.8 |
| 1995-1996 | 137.5 | 71.0 | 33.5 | 24.2 | 16.9 | 26.6 | 32.3 | 51.0 | 101.1 | 185.6 | 222.1 | 193.2 | 1095.0 |
| 1996-1997 | 112.3 | 66.7 | 42.8 | 34.4 | 24.0 | 19.7 | 27.8 | 48.1 | 91.0 | 172.0 | 214.2 | 154.0 | 1007.0 |
| 1997-1998 | 111.7 | 64.0 | 41.6 | 23.1 | 16.7 | 22.1 | 27.6 | 69.9 | 84.2 | 166.1 | 214.2 | 187.8 | 1028.8 |
| 1998-1999 | 109.6 | 66.8 | 44.5 | 22.3 | 21.1 | 22.7 | 33.6 | 50.0 | 94.3 | 147.5 | 185.1 | 164.4 | 961.9 |
| 1999-2000 | 123.1 | 68.9 | 38.4 | 26.3 | 11.2 | 19.0 | 28.3 | 54.6 | 81.5 | 167.5 | 208.8 | 172.4 | 1000.1 |
| 2000-2001 | 111.2 | 56.3 | 38.4 | 22.5 | 19.8 | 23.8 | 44.7 | 61.0 | 78.1 | 146.1 | 176.1 | 157.9 | 935.8 |
| 2001-2002 | 123.8 | 72.6 | 37.6 | 21.9 | 14.5 | 25.6 | 38.0 | 52.4 | 79.8 | 156.3 | 198.7 | 156.6 | 977.7 |
| 2002-2003 | 113.7 | 65.1 | 42.9 | 17.7 | 23.1 | 15.1 | 25.8 | 50.2 | 98.2 | 154.4 | 196.4 | 173.9 | 976.4 |
| 2003-2004 | 114.3 | 65.7 | 40.4 | 23.4 | 16.7 | 19.5 | 40.3 | 62.9 | 84.5 | 152.5 | 190.3 | 154.0 | 964.5 |
| 2004-2005 | 113.9 | 74.7 | 41.8 | 18.2 | 19.4 | 20.2 | 37.3 | 59.5 | 86.2 | 143.6 | 173.8 | 159.0 | 947.6 |
| 2005-2006 | 109.5 | 54.8 | 31.7 | 24.5 | 16.8 | 24.2 | 37.6 | 61.3 | 84.9 | 150.3 | 183.7 | 154.8 | 934.2 |
| 2006-2007 | 112.7 | 63.6 | 32.9 | 20.1 | 16.3 | 22.5 | 33.9 | 49.1 | 82.5 | 144.1 | 175.3 | 149.8 | 902.8 |
| 2007-2008 | 114.1 | 75.1 | 44.2 | 25.5 | 17.1 | 20.8 | 42.5 | 53.6 | 69.6 | 139.3 | 155.8 | 136.8 | 894.5 |
| 2008-2009 | 114.3 | 67.5 | 45.7 | 23.4 | 19.8 | 21.6 | 29.4 | 55.3 | 79.6 | 160.1 | 186.4 | 160.2 | 963.4 |
| 2009-2010 | 104.1 | 70.7 | 37.4 | 27.1 | 21.8 | 24.1 | 37.8 | 59.3 | 81.4 | 136.9 | 164.7 | 167.4 | 932.8 |
| 2010-2011 | 119.3 | 67.8 | 49.0 | 30.9 | 19.4 | 22.2 | 31.9 | 49.6 | 73.1 | 138.7 | 174.5 | 155.1 | 931.6 |
| 2011-2012 | 128.7 | 67.5 | 31.7 | 22.9 | 16.6 | 19.1 | 27.6 | 59.3 | 83.9 | 165.8 | 214.9 | 183.7 | 1021.6 |
| 2012-2013 | 113.0 | 66.4 | 42.5 | 23.9 | 17.7 | 25.8 | 34.5 | 58.0 | 88.4 | 141.4 | 172.5 | 155.5 | 939.5 |
| 2013-2014 | 114.0 | 60.7 | 47.7 | 19.7 | 23.8 | 26.2 | 40.3 | 61.8 | 80.5 | 146.8 | 175.6 | 160.5 | 957.7 |
| 2014-2015 | 120.8 | 67.5 | 38.8 | 31.0 | 17.7 | 22.1 | 38.7 | 51.3 | 88.0 | 139.4 | 185.3 | 174.9 | 975.7 |
| AVERAGE | 120.9 | 70.0 | 40.0 | 23.5 | 18.6 | 21.9 | 34.2 | 58.3 | 86.2 | 158.5 | 194.3 | 168.6 | |

**Table A. 158** Ziyamet station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 179.3 | 176.8 | 138.1 | 134.6 | 128.9 | 120.8 | 137.5 | 143 | 164.6 | 181.2 | 197 | 191.9 | 1893.8 |
| 1979-1980 | 178.5 | 171.9 | 150.7 | 132.8 | 119.8 | 112.6 | 130 | 136.6 | 156.4 | 175.7 | 187.5 | 190.5 | 1843.2 |
| 1980-1981 | 175.1 | 162.8 | 145.2 | 134.1 | 125.7 | 113.9 | 139 | 144.8 | 156.9 | 179.6 | 199.3 | 198.6 | 1875.0 |
| 1981-1982 | 183.7 | 176.5 | 138.3 | 139.9 | 130.8 | 108 | 127.5 | 142.8 | 165.3 | 179.5 | 195.4 | 200.1 | 1887.6 |
| 1982-1983 | 187.2 | 174.6 | 139.4 | 128.7 | 116.9 | 109.7 | 129.5 | 141.9 | 166.7 | 173.8 | 196.1 | 195.1 | 1859.6 |
| 1983-1984 | 179.5 | 163.3 | 147.3 | 137.1 | 133.8 | 123.7 | 140.6 | 143.9 | 173.3 | 183.1 | 194.4 | 198.2 | 1918.0 |
| 1984-1985 | 181.8 | 185.3 | 143.2 | 132.4 | 134.8 | 112.2 | 135.9 | 146.6 | 172 | 181.9 | 198 | 203.9 | 1928.0 |
| 1985-1986 | 186.2 | 170.7 | 153.6 | 135.5 | 133.2 | 120.7 | 140.1 | 156.5 | 165.1 | 178.9 | 196.2 | 197 | 1933.8 |
| 1986-1987 | 186 | 165.9 | 133.8 | 121.4 | 126.7 | 122.2 | 127.1 | 140.4 | 161.1 | 174.5 | 201.6 | 203.5 | 1864.1 |
| 1987-1988 | 186.5 | 171.3 | 147.7 | 133.3 | 128.9 | 116.5 | 134.7 | 145.9 | 173.9 | 183.9 | 208.3 | 205.8 | 1936.7 |
| 1988-1989 | 188.5 | 174 | 140.3 | 138.5 | 124.9 | 119.3 | 142.4 | 159.5 | 175.4 | 177.8 | 200.4 | 197.6 | 1938.5 |
| 1989-1990 | 182.7 | 164 | 146 | 136.8 | 124.6 | 117.4 | 142.8 | 150.8 | 168.5 | 177 | 197.9 | 201 | 1909.6 |
| 1990-1991 | 182.5 | 175.4 | 153.2 | 140.8 | 131.9 | 120.2 | 145.5 | 155 | 173.1 | 183.4 | 194.3 | 192.9 | 1948.1 |
| 1991-1992 | 176.1 | 170.5 | 142.4 | 122.8 | 115 | 98.24 | 126.6 | 138.2 | 159 | 172.5 | 188.8 | 197.2 | 1807.2 |
| 1992-1993 | 179.3 | 170.6 | 142.8 | 120.4 | 122.4 | 106.6 | 131 | 139 | 158 | 176.4 | 194.1 | 190.5 | 1831.1 |
| 1993-1994 | 177.4 | 180.2 | 140.2 | 140 | 135.1 | 115.4 | 137.7 | 153 | 176.5 | 186.9 | 200.1 | 204.7 | 1947.2 |
| 1994-1995 | 189.2 | 185.1 | 146.7 | 129 | 134.7 | 124.7 | 144.2 | 140.5 | 165.5 | 179 | 191.2 | 194.3 | 1924.2 |
| 1995-1996 | 179.7 | 165.1 | 134.4 | 131 | 122.1 | 116.9 | 131 | 135.9 | 166.5 | 177.6 | 194 | 195.8 | 1850.0 |
| 1996-1997 | 178.1 | 169.5 | 148 | 146.5 | 135.3 | 114.3 | 131.8 | 139.4 | 169.2 | 182.8 | 202.1 | 192.9 | 1910.0 |
| 1997-1998 | 177.8 | 167.5 | 146.9 | 134.2 | 125.5 | 116.7 | 131.6 | 151.4 | 165.8 | 181 | 202 | 204.3 | 1904.7 |
| 1998-1999 | 182.4 | 174.5 | 153.4 | 136.3 | 134.5 | 119.9 | 139.9 | 144.1 | 175.9 | 181 | 200.4 | 203 | 1945.4 |
| 1999-2000 | 187.5 | 175.3 | 147.2 | 140.7 | 118.5 | 115.5 | 134.6 | 146.2 | 168.1 | 186.2 | 206.1 | 204.7 | 1930.5 |
| 2000-2001 | 187.9 | 170.1 | 151 | 139.1 | 135.1 | 123.2 | 151.8 | 154 | 171 | 185.1 | 202.8 | 205.9 | 1977.0 |
| 2001-2002 | 188.5 | 178.4 | 146.8 | 135.6 | 124.5 | 122.6 | 143.2 | 145.2 | 167.6 | 183.2 | 203.8 | 199.6 | 1939.0 |
| 2002-2003 | 185.4 | 174.2 | 152.8 | 130.5 | 137.8 | 111.6 | 133.3 | 144.8 | 179 | 184.2 | 204.9 | 207.6 | 1946.2 |
| 2003-2004 | 185.5 | 174.5 | 150.4 | 138.2 | 128.6 | 116.8 | 145.9 | 152.4 | 171.5 | 183.5 | 203 | 200.2 | 1950.7 |
| 2004-2005 | 186.6 | 182.4 | 152.5 | 131.9 | 133.1 | 118.2 | 144.2 | 151.3 | 173.4 | 181.7 | 199.1 | 203.4 | 1957.7 |
| 2005-2006 | 189.2 | 170.7 | 145.4 | 143 | 131.6 | 124.8 | 147.4 | 155.7 | 176.8 | 188.7 | 207.8 | 207.3 | 1988.4 |
| 2006-2007 | 195.9 | 182.6 | 150 | 139.7 | 133.2 | 125.2 | 147.1 | 151.1 | 179.8 | 191.5 | 210.7 | 210.9 | 2017.7 |
| 2007-2008 | 192.9 | 188.6 | 159.2 | 145.2 | 132.7 | 121.5 | 152.3 | 151.7 | 168.4 | 186.1 | 199.7 | 201.2 | 1999.4 |
| 2008-2009 | 185.3 | 175.6 | 154.9 | 138 | 133.1 | 119.1 | 136.5 | 147.7 | 168.4 | 185.6 | 201.4 | 202.1 | 1947.8 |
| 2009-2010 | 182.2 | 179.9 | 148.7 | 143.8 | 136.9 | 122.5 | 144.9 | 151.4 | 171.1 | 179.9 | 196.8 | 207.2 | 1965.1 |
| 2010-2011 | 189.5 | 177.6 | 159.3 | 148.1 | 133.5 | 120.5 | 139.8 | 145.4 | 166.2 | 180.5 | 200 | 202.5 | 1963.1 |
| 2011-2012 | 187.5 | 172 | 139.1 | 135.2 | 126.3 | 114.4 | 132.7 | 147.3 | 167.4 | 183.1 | 204.8 | 205.7 | 1915.5 |
| 2012-2013 | 186.6 | 176.5 | 153.4 | 139.8 | 131 | 124.2 | 142.1 | 150.7 | 175.1 | 181.4 | 199.3 | 202.7 | 1962.8 |
| 2013-2014 | 183.9 | 169.4 | 155.9 | 132.6 | 137.9 | 123.1 | 145.1 | 150.8 | 168 | 180.3 | 196.9 | 201 | 1944.9 |
| 2014-2015 | 185.1 | 172.9 | 146.6 | 145.1 | 128.6 | 118.1 | 142.6 | 143.4 | 170.5 | 175.9 | 197.7 | 203.9 | 1930.1 |
| AVERAGE | 184.2 | 174.0 | 147.2 | 136.0 | 129.4 | 117.6 | 138.6 | 147.0 | 168.9 | 181.2 | 199.3 | 200.7 | |

**Table A. 159** Ziyamet station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 137.8 | 65.37 | 46.5 | 43.05 | 42.45 | 43.24 | 54.13 | 116.4 | 143.5 | 163.6 | 175 | 160.4 | 1191.5 |
| 1979-1980 | 137.1 | 63.5 | 50.72 | 42.51 | 39.42 | 40.29 | 51.1 | 111.2 | 136.5 | 158.8 | 166.7 | 159.3 | 1157.1 |
| 1980-1981 | 134.6 | 60.19 | 48.92 | 42.88 | 41.36 | 40.72 | 54.63 | 117.8 | 136.9 | 162.2 | 177 | 166 | 1183.2 |
| 1981-1982 | 141.1 | 65.23 | 46.55 | 44.73 | 43.04 | 38.6 | 50.09 | 116.2 | 144.2 | 162.2 | 173.6 | 167.3 | 1192.9 |
| 1982-1983 | 143.9 | 64.55 | 46.92 | 41.15 | 38.5 | 39.23 | 50.95 | 115.3 | 145.5 | 157 | 174.3 | 163.1 | 1180.5 |
| 1983-1984 | 137.9 | 60.35 | 49.6 | 43.83 | 44.03 | 44.22 | 55.28 | 117 | 151.2 | 165.4 | 172.8 | 165.8 | 1207.4 |
| 1984-1985 | 139.6 | 68.51 | 48.2 | 42.33 | 44.39 | 40.12 | 53.44 | 119.2 | 150.1 | 164.3 | 175.9 | 170.5 | 1216.7 |
| 1985-1986 | 143.1 | 63.11 | 51.73 | 43.35 | 43.83 | 43.18 | 55.11 | 127.3 | 144.1 | 161.7 | 174.3 | 164.8 | 1215.6 |
| 1986-1987 | 142.9 | 61.34 | 45.04 | 38.8 | 41.72 | 43.72 | 49.97 | 114.2 | 140.6 | 157.7 | 179.2 | 170.1 | 1185.3 |
| 1987-1988 | 143.3 | 63.32 | 49.74 | 42.62 | 42.41 | 41.65 | 52.93 | 118.6 | 151.8 | 166.1 | 185.2 | 172.1 | 1229.8 |
| 1988-1989 | 144.8 | 64.29 | 47.24 | 44.25 | 41.08 | 42.66 | 56 | 129.7 | 153.1 | 160.6 | 178 | 165.3 | 1226.9 |
| 1989-1990 | 140.4 | 60.63 | 49.17 | 43.72 | 41.01 | 41.96 | 56.16 | 122.7 | 147.1 | 160 | 175.9 | 168.1 | 1206.8 |
| 1990-1991 | 140.2 | 64.84 | 51.59 | 45.04 | 43.41 | 42.96 | 57.24 | 126.1 | 151.1 | 165.7 | 172.7 | 161.3 | 1222.1 |
| 1991-1992 | 135.3 | 63.02 | 47.96 | 39.28 | 37.86 | 35.14 | 49.76 | 112.4 | 138.8 | 155.9 | 167.8 | 164.9 | 1148.2 |
| 1992-1993 | 137.8 | 63.08 | 48.1 | 38.5 | 40.28 | 38.12 | 51.53 | 113.1 | 137.9 | 159.4 | 172.5 | 159.4 | 1159.8 |
| 1993-1994 | 136.3 | 66.63 | 47.25 | 44.76 | 44.49 | 41.28 | 54.15 | 124.4 | 153.9 | 168.8 | 177.8 | 171.1 | 1230.9 |
| 1994-1995 | 145.5 | 68.46 | 49.39 | 41.25 | 44.35 | 44.61 | 56.71 | 114.3 | 144.5 | 161.8 | 169.9 | 162.5 | 1203.3 |
| 1995-1996 | 138.1 | 61.01 | 45.27 | 41.88 | 40.19 | 41.82 | 51.52 | 110.5 | 145.3 | 160.6 | 172.5 | 163.8 | 1172.5 |
| 1996-1997 | 136.9 | 62.68 | 49.84 | 46.84 | 44.54 | 40.87 | 51.81 | 113.4 | 147.7 | 165.2 | 179.6 | 161.3 | 1200.6 |
| 1997-1998 | 136.6 | 61.93 | 49.49 | 42.93 | 41.33 | 41.73 | 51.74 | 123.2 | 144.6 | 163.6 | 179.6 | 170.9 | 1207.6 |
| 1998-1999 | 140.2 | 64.53 | 51.69 | 43.6 | 44.29 | 42.87 | 55 | 117.2 | 153.6 | 163.5 | 178.1 | 169.8 | 1224.4 |
| 1999-2000 | 144.1 | 64.79 | 49.56 | 44.99 | 39 | 41.29 | 52.93 | 118.9 | 146.7 | 168.2 | 183.2 | 171.2 | 1224.9 |
| 2000-2001 | 144.3 | 62.89 | 50.87 | 44.49 | 44.48 | 44.05 | 59.66 | 125.2 | 149.2 | 167.2 | 180.2 | 172.2 | 1244.9 |
| 2001-2002 | 144.8 | 65.96 | 49.43 | 43.36 | 40.97 | 43.83 | 56.29 | 118.1 | 146.3 | 165.6 | 181.1 | 166.9 | 1222.7 |
| 2002-2003 | 142.5 | 64.4 | 51.44 | 41.74 | 45.36 | 39.91 | 52.38 | 117.8 | 156.1 | 166.4 | 182.1 | 173.6 | 1233.8 |
| 2003-2004 | 142.6 | 64.52 | 50.64 | 44.2 | 42.34 | 41.79 | 57.38 | 124 | 149.6 | 165.8 | 180.4 | 167.4 | 1230.6 |
| 2004-2005 | 143.3 | 67.41 | 51.34 | 42.16 | 43.83 | 42.25 | 56.69 | 123 | 151.3 | 164.1 | 177 | 170.1 | 1232.5 |
| 2005-2006 | 145.4 | 63.08 | 48.97 | 45.72 | 43.31 | 44.61 | 57.96 | 126.7 | 154.3 | 170.5 | 184.7 | 173.3 | 1258.6 |
| 2006-2007 | 150.5 | 67.51 | 50.5 | 44.66 | 43.82 | 44.78 | 57.8 | 122.9 | 156.9 | 173 | 187.2 | 176.4 | 1275.9 |
| 2007-2008 | 148.2 | 69.72 | 53.59 | 46.4 | 43.66 | 43.45 | 59.87 | 123.4 | 147 | 168.2 | 177.5 | 168.3 | 1249.2 |
| 2008-2009 | 142.4 | 64.95 | 52.18 | 44.14 | 43.82 | 42.58 | 53.68 | 120.2 | 147 | 167.7 | 179 | 169.1 | 1226.7 |
| 2009-2010 | 140.1 | 66.49 | 50.05 | 45.97 | 45.07 | 43.83 | 56.98 | 123.2 | 149.3 | 162.5 | 174.9 | 173.2 | 1231.6 |
| 2010-2011 | 145.7 | 65.68 | 53.64 | 47.37 | 43.95 | 43.1 | 54.97 | 118.3 | 145.1 | 163.1 | 177.7 | 169.3 | 1227.9 |
| 2011-2012 | 144 | 63.58 | 46.84 | 43.23 | 41.6 | 40.94 | 52.17 | 119.8 | 146.1 | 165.5 | 182 | 171.9 | 1217.8 |
| 2012-2013 | 143.4 | 65.28 | 51.68 | 44.7 | 43.11 | 44.43 | 55.88 | 122.6 | 152.8 | 163.9 | 177.1 | 169.5 | 1234.3 |
| 2013-2014 | 141.4 | 62.63 | 52.49 | 42.41 | 45.38 | 44.03 | 57.03 | 122.6 | 146.6 | 162.9 | 175 | 168.1 | 1220.6 |
| 2014-2015 | 142.2 | 63.92 | 49.39 | 46.39 | 42.32 | 42.24 | 56.05 | 116.6 | 148.7 | 159 | 175.7 | 170.5 | 1213.0 |
| AVERAGE | 141.6 | 64.3 | 49.6 | 43.5 | 42.6 | 42.1 | 54.5 | 119.6 | 147.4 | 163.7 | 177.1 | 167.8 | |

**Table A. 160** Ziyamet station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 114 | 92.61 | 52.95 | 41.74 | 42.23 | 49.16 | 77.69 | 95.7 | 124.8 | 144.2 | 152.2 | 138.3 | 1125.6 |
| 1979-1980 | 113.6 | 89.85 | 60.04 | 40.74 | 37.12 | 44.61 | 73.47 | 92.12 | 120.2 | 141.1 | 146.9 | 137.5 | 1097.3 |
| 1980-1981 | 111.7 | 84.75 | 56.94 | 41.46 | 40.43 | 45.3 | 78.5 | 96.71 | 120.5 | 143.3 | 153.5 | 142 | 1115.1 |
| 1981-1982 | 116.5 | 92.41 | 53.08 | 44.72 | 43.29 | 41.98 | 72.04 | 95.58 | 125.2 | 143.2 | 151.3 | 142.9 | 1122.2 |
| 1982-1983 | 118.5 | 91.37 | 53.66 | 38.44 | 35.51 | 42.94 | 73.2 | 95.05 | 126 | 140 | 151.7 | 140.1 | 1106.5 |
| 1983-1984 | 114.1 | 85 | 58.1 | 43.12 | 45 | 50.8 | 79.43 | 96.17 | 129.7 | 145.3 | 150.8 | 141.8 | 1139.2 |
| 1984-1985 | 115.4 | 97.36 | 55.82 | 40.49 | 45.57 | 44.37 | 76.78 | 97.73 | 128.9 | 144.6 | 152.8 | 145 | 1144.8 |
| 1985-1986 | 117.9 | 89.2 | 61.67 | 42.27 | 44.62 | 49.15 | 79.15 | 103.3 | 125.1 | 142.9 | 151.8 | 141.1 | 1148.1 |
| 1986-1987 | 117.8 | 86.47 | 50.54 | 34.33 | 41.02 | 49.98 | 71.84 | 94.22 | 122.8 | 140.4 | 154.8 | 144.8 | 1109.0 |
| 1987-1988 | 118 | 89.51 | 58.36 | 41 | 42.21 | 46.77 | 76.09 | 97.29 | 130 | 145.7 | 158.6 | 146.1 | 1149.7 |
| 1988-1989 | 119.2 | 91 | 54.22 | 43.9 | 39.98 | 48.35 | 80.43 | 104.9 | 130.9 | 142.3 | 154.1 | 141.5 | 1150.7 |
| 1989-1990 | 115.9 | 85.42 | 57.39 | 42.96 | 39.83 | 47.25 | 80.67 | 100.1 | 127 | 141.9 | 152.7 | 143.4 | 1134.5 |
| 1990-1991 | 115.8 | 91.79 | 61.42 | 45.23 | 43.93 | 48.82 | 82.18 | 102.4 | 129.6 | 145.4 | 150.7 | 138.8 | 1156.1 |
| 1991-1992 | 112.2 | 89.03 | 55.38 | 35.11 | 34.42 | 36.53 | 71.54 | 92.99 | 121.7 | 139.3 | 147.6 | 141.3 | 1077.1 |
| 1992-1993 | 114 | 89.12 | 55.62 | 33.77 | 38.57 | 41.21 | 74.05 | 93.42 | 121.1 | 141.5 | 150.6 | 137.5 | 1090.5 |
| 1993-1994 | 112.9 | 94.51 | 54.16 | 44.74 | 45.73 | 46.16 | 77.78 | 101.3 | 131.5 | 147.4 | 154 | 145.4 | 1155.6 |
| 1994-1995 | 119.6 | 97.27 | 57.76 | 38.6 | 45.5 | 51.38 | 81.44 | 94.31 | 125.3 | 143 | 148.9 | 139.6 | 1142.7 |
| 1995-1996 | 114.2 | 86.01 | 50.91 | 39.71 | 38.4 | 47.02 | 74.02 | 91.68 | 125.9 | 142.2 | 150.6 | 140.5 | 1101.1 |
| 1996-1997 | 113.3 | 88.52 | 58.52 | 48.44 | 45.83 | 45.53 | 74.48 | 93.65 | 127.4 | 145.1 | 155.1 | 138.9 | 1134.7 |
| 1997-1998 | 113.2 | 87.38 | 57.92 | 41.52 | 40.34 | 46.88 | 74.38 | 100.4 | 125.5 | 144.1 | 155 | 145.2 | 1131.8 |
| 1998-1999 | 115.7 | 91.32 | 61.56 | 42.69 | 45.39 | 48.69 | 79.02 | 96.32 | 131.2 | 144.1 | 154.1 | 144.5 | 1154.6 |
| 1999-2000 | 118.6 | 91.75 | 58.04 | 45.14 | 36.43 | 46.18 | 76.07 | 97.49 | 126.8 | 147 | 157.3 | 145.5 | 1146.3 |
| 2000-2001 | 118.8 | 88.83 | 60.21 | 44.28 | 45.72 | 50.52 | 85.69 | 101.8 | 128.4 | 146.4 | 155.5 | 146.2 | 1172.3 |
| 2001-2002 | 119.2 | 93.49 | 57.85 | 42.32 | 39.77 | 50.19 | 80.85 | 96.93 | 126.5 | 145.3 | 156.1 | 142.6 | 1151.0 |
| 2002-2003 | 117.4 | 91.16 | 61.21 | 39.46 | 47.21 | 44.05 | 75.3 | 96.69 | 132.9 | 145.9 | 156.6 | 147.1 | 1155.0 |
| 2003-2004 | 117.5 | 91.32 | 59.84 | 43.77 | 42.09 | 46.96 | 82.41 | 101 | 128.7 | 145.5 | 155.6 | 143 | 1157.6 |
| 2004-2005 | 118.1 | 95.73 | 61.01 | 40.21 | 44.61 | 47.72 | 81.44 | 100.3 | 129.7 | 144.5 | 153.4 | 144.7 | 1161.5 |
| 2005-2006 | 119.6 | 89.16 | 57.05 | 46.45 | 43.74 | 51.41 | 83.22 | 102.8 | 131.7 | 148.4 | 158.3 | 146.9 | 1178.7 |
| 2006-2007 | 123.3 | 95.87 | 59.62 | 44.58 | 44.64 | 51.66 | 83.04 | 100.2 | 133.3 | 150 | 159.9 | 149 | 1195.1 |
| 2007-2008 | 121.6 | 99.19 | 64.78 | 47.68 | 44.35 | 49.6 | 85.96 | 100.6 | 127 | 146.9 | 153.7 | 143.5 | 1184.9 |
| 2008-2009 | 117.3 | 91.94 | 62.39 | 43.66 | 44.6 | 48.21 | 77.14 | 98.32 | 127 | 146.6 | 154.7 | 144 | 1155.9 |
| 2009-2010 | 115.6 | 94.31 | 58.89 | 46.89 | 46.75 | 50.16 | 81.8 | 100.4 | 128.5 | 143.4 | 152.1 | 146.8 | 1165.7 |
| 2010-2011 | 119.7 | 93.07 | 64.87 | 49.32 | 44.83 | 49.02 | 78.98 | 97.04 | 125.7 | 143.8 | 153.9 | 144.2 | 1164.5 |
| 2011-2012 | 118.6 | 89.88 | 53.51 | 42.08 | 40.8 | 45.61 | 74.97 | 98.1 | 126.4 | 145.3 | 156.6 | 146 | 1137.8 |
| 2012-2013 | 118.1 | 92.45 | 61.56 | 44.65 | 43.4 | 51.1 | 80.27 | 99.99 | 130.7 | 144.3 | 153.5 | 144.3 | 1164.4 |
| 2013-2014 | 116.6 | 88.45 | 62.95 | 40.63 | 47.27 | 50.48 | 81.92 | 100 | 126.7 | 143.7 | 152.2 | 143.4 | 1154.3 |
| 2014-2015 | 117.2 | 90.38 | 57.75 | 47.62 | 42.05 | 47.68 | 80.54 | 95.89 | 128.1 | 141.2 | 152.6 | 145 | 1146.0 |
| AVERAGE | 116.8 | 91.0 | 58.0 | 42.5 | 42.5 | 47.4 | 78.3 | 97.9 | 127.3 | 144.2 | 153.5 | 143.2 | |

**Table A. 161** Zumrutkoy station Hamon results

| HM | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 92.2 | 67.0 | 36.1 | 29.5 | 28.0 | 33.6 | 49.1 | 69.6 | 102.1 | 148.8 | 164.9 | 137.4 | 958.4 |
| 1979-1980 | 101.8 | 67.6 | 42.2 | 26.8 | 24.3 | 28.5 | 43.6 | 63.7 | 100.5 | 141.9 | 161.9 | 151.5 | 954.3 |
| 1980-1981 | 94.0 | 66.5 | 39.9 | 28.5 | 25.8 | 28.7 | 48.1 | 67.4 | 91.7 | 143.5 | 164.4 | 144.6 | 943.2 |
| 1981-1982 | 90.5 | 70.4 | 34.7 | 30.0 | 27.5 | 27.2 | 42.2 | 69.2 | 102.7 | 136.8 | 155.5 | 145.1 | 931.9 |
| 1982-1983 | 103.2 | 67.8 | 34.3 | 26.5 | 23.2 | 27.0 | 43.1 | 66.7 | 107.5 | 131.7 | 160.5 | 138.1 | 929.5 |
| 1983-1984 | 93.6 | 72.3 | 46.4 | 32.3 | 27.9 | 31.4 | 46.4 | 64.3 | 104.5 | 135.7 | 161.3 | 138.3 | 954.5 |
| 1984-1985 | 97.8 | 65.3 | 35.5 | 25.4 | 27.6 | 26.6 | 45.2 | 70.0 | 117.1 | 143.7 | 169.4 | 153.4 | 976.9 |
| 1985-1986 | 102.7 | 59.5 | 40.7 | 27.8 | 26.8 | 32.4 | 49.4 | 80.0 | 102.0 | 144.9 | 163.7 | 145.8 | 975.6 |
| 1986-1987 | 107.6 | 64.3 | 33.0 | 26.4 | 27.8 | 32.2 | 39.6 | 64.2 | 99.1 | 142.2 | 176.2 | 150.4 | 962.9 |
| 1987-1988 | 103.7 | 61.4 | 36.0 | 26.9 | 26.1 | 29.4 | 44.6 | 70.1 | 113.3 | 149.2 | 189.2 | 153.9 | 1003.9 |
| 1988-1989 | 105.7 | 63.2 | 32.5 | 26.1 | 22.0 | 27.4 | 47.0 | 78.5 | 113.0 | 139.2 | 172.4 | 148.3 | 975.3 |
| 1989-1990 | 97.1 | 58.9 | 38.1 | 27.7 | 23.4 | 28.7 | 45.8 | 68.6 | 102.2 | 138.4 | 166.5 | 144.2 | 939.5 |
| 1990-1991 | 96.5 | 65.6 | 39.7 | 28.3 | 25.5 | 29.0 | 49.7 | 71.9 | 99.0 | 140.2 | 156.0 | 141.9 | 943.3 |
| 1991-1992 | 96.1 | 66.6 | 37.1 | 24.7 | 23.2 | 24.1 | 40.4 | 63.5 | 99.9 | 133.9 | 154.7 | 151.5 | 915.7 |
| 1992-1993 | 92.2 | 64.4 | 37.2 | 22.7 | 24.2 | 26.5 | 43.0 | 64.6 | 94.9 | 145.3 | 164.8 | 143.5 | 923.4 |
| 1993-1994 | 89.7 | 69.9 | 34.4 | 27.9 | 28.4 | 29.9 | 45.0 | 73.8 | 109.0 | 141.6 | 163.6 | 154.5 | 967.8 |
| 1994-1995 | 109.0 | 72.3 | 35.3 | 25.1 | 27.2 | 30.1 | 48.0 | 66.1 | 105.8 | 156.8 | 172.7 | 148.3 | 996.8 |
| 1995-1996 | 98.5 | 61.4 | 31.6 | 25.1 | 24.1 | 30.4 | 44.5 | 63.3 | 117.8 | 150.6 | 172.8 | 137.6 | 957.6 |
| 1996-1997 | 98.4 | 58.9 | 39.3 | 29.7 | 27.4 | 27.5 | 42.9 | 62.1 | 109.8 | 151.1 | 184.0 | 142.1 | 973.2 |
| 1997-1998 | 95.9 | 63.4 | 38.1 | 27.8 | 25.6 | 29.4 | 43.8 | 73.5 | 104.9 | 144.9 | 186.1 | 170.0 | 1003.3 |
| 1998-1999 | 104.3 | 70.7 | 41.9 | 29.1 | 27.7 | 30.3 | 46.6 | 68.2 | 116.1 | 155.7 | 179.6 | 156.8 | 1027.1 |
| 1999-2000 | 102.4 | 68.6 | 37.9 | 29.8 | 22.5 | 27.6 | 43.4 | 71.0 | 106.4 | 157.2 | 187.6 | 152.5 | 1007.0 |
| 2000-2001 | 102.3 | 62.8 | 38.5 | 27.3 | 27.2 | 30.2 | 54.0 | 72.7 | 114.1 | 144.9 | 174.5 | 153.7 | 1002.2 |
| 2001-2002 | 101.0 | 65.7 | 36.3 | 27.0 | 23.4 | 32.0 | 49.6 | 66.3 | 103.0 | 146.2 | 178.8 | 148.6 | 977.9 |
| 2002-2003 | 97.5 | 66.3 | 40.1 | 25.6 | 28.7 | 27.4 | 41.6 | 66.5 | 125.2 | 154.8 | 185.3 | 162.3 | 1021.2 |
| 2003-2004 | 101.5 | 68.4 | 38.5 | 27.8 | 25.3 | 29.8 | 48.9 | 69.0 | 105.0 | 147.9 | 175.6 | 147.1 | 984.8 |
| 2004-2005 | 100.0 | 71.4 | 37.8 | 25.7 | 26.8 | 28.4 | 48.8 | 72.8 | 109.0 | 143.4 | 174.9 | 153.7 | 992.7 |
| 2005-2006 | 103.8 | 61.7 | 35.0 | 28.3 | 25.4 | 30.0 | 47.6 | 73.4 | 109.9 | 149.2 | 176.2 | 158.2 | 998.6 |
| 2006-2007 | 109.9 | 68.0 | 35.0 | 25.5 | 19.7 | 24.2 | 35.4 | 47.1 | 88.0 | 109.7 | 126.6 | 116.5 | 805.6 |
| 2007-2008 | 73.3 | 52.9 | 30.8 | 21.5 | 23.7 | 28.0 | 55.9 | 74.8 | 107.5 | 159.3 | 182.7 | 165.3 | 975.7 |
| 2008-2009 | 105.1 | 65.8 | 42.1 | 28.5 | 28.1 | 30.7 | 45.1 | 68.8 | 104.3 | 153.9 | 182.1 | 154.6 | 1009.0 |
| 2009-2010 | 100.2 | 71.9 | 37.9 | 29.9 | 28.8 | 32.4 | 49.8 | 71.5 | 108.8 | 144.1 | 166.6 | 169.3 | 1011.2 |
| 2010-2011 | 108.4 | 69.1 | 42.7 | 31.4 | 27.3 | 30.2 | 46.7 | 68.0 | 104.6 | 148.2 | 175.4 | 154.4 | 1006.5 |
| 2011-2012 | 106.7 | 62.7 | 32.8 | 26.5 | 25.0 | 27.6 | 43.1 | 68.2 | 106.2 | 152.1 | 189.1 | 163.3 | 1003.3 |
| 2012-2013 | 103.6 | 69.1 | 40.9 | 28.8 | 26.4 | 32.3 | 49.4 | 72.7 | 118.7 | 147.2 | 170.9 | 156.4 | 1016.6 |
| 2013-2014 | 101.4 | 59.3 | 41.2 | 25.7 | 29.2 | 32.3 | 51.6 | 72.8 | 109.1 | 146.7 | 170.4 | 159.0 | 998.7 |
| 2014-2015 | 105.3 | 65.2 | 37.1 | 30.7 | 25.9 | 29.3 | 49.6 | 64.7 | 109.1 | 136.4 | 170.2 | 161.9 | 985.3 |
| AVERAGE | 99.8 | 65.6 | 37.5 | 27.4 | 25.9 | 29.3 | 46.2 | 68.6 | 106.5 | 144.8 | 171.0 | 150.6 | |

**Table A. 162** Zumrutkoy station Thronthwaite results

| TH | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 104.3 | 75.0 | 35.7 | 26.1 | 20.5 | 28.6 | 35.2 | 57.9 | 84.2 | 149.6 | 156.5 | 131.5 | 905.1 |
| 1979-1980 | 124.1 | 79.2 | 49.9 | 21.4 | 14.3 | 18.7 | 27.2 | 50.3 | 85.5 | 146.7 | 159.5 | 153.2 | 930.0 |
| 1980-1981 | 112.9 | 78.0 | 45.7 | 25.2 | 17.2 | 19.4 | 35.4 | 57.3 | 74.0 | 150.5 | 164.2 | 146.8 | 926.5 |
| 1981-1982 | 110.3 | 87.3 | 35.6 | 29.3 | 21.3 | 16.8 | 25.9 | 62.3 | 92.1 | 145.4 | 158.1 | 151.8 | 936.1 |
| 1982-1983 | 136.6 | 85.9 | 36.0 | 22.3 | 13.0 | 16.8 | 28.5 | 60.0 | 102.7 | 143.2 | 170.5 | 148.5 | 964.0 |
| 1983-1984 | 103.4 | 81.3 | 54.8 | 30.9 | 19.8 | 23.3 | 29.8 | 47.8 | 84.9 | 128.4 | 148.1 | 128.9 | 881.1 |
| 1984-1985 | 114.8 | 73.3 | 34.9 | 18.1 | 20.2 | 14.5 | 29.2 | 59.5 | 105.2 | 145.4 | 164.1 | 151.6 | 930.8 |
| 1985-1986 | 116.3 | 60.3 | 43.5 | 21.8 | 17.7 | 25.0 | 34.4 | 72.5 | 81.3 | 139.5 | 150.0 | 136.4 | 898.7 |
| 1986-1987 | 133.7 | 73.7 | 30.7 | 20.6 | 21.0 | 26.8 | 20.5 | 51.4 | 83.9 | 147.6 | 176.8 | 152.6 | 939.3 |
| 1987-1988 | 118.1 | 63.6 | 34.5 | 20.2 | 16.4 | 19.2 | 26.8 | 57.0 | 95.7 | 145.4 | 177.3 | 145.3 | 919.6 |
| 1988-1989 | 129.6 | 71.1 | 29.3 | 19.8 | 9.9 | 16.3 | 32.9 | 75.4 | 101.9 | 142.2 | 170.9 | 148.9 | 948.0 |
| 1989-1990 | 122.4 | 66.9 | 43.4 | 24.3 | 13.1 | 20.0 | 32.4 | 61.7 | 92.1 | 148.8 | 172.9 | 151.8 | 949.8 |
| 1990-1991 | 115.6 | 75.6 | 44.7 | 24.6 | 16.5 | 19.6 | 37.6 | 64.4 | 83.4 | 144.1 | 152.3 | 142.1 | 920.5 |
| 1991-1992 | 131.3 | 88.1 | 44.7 | 19.5 | 13.7 | 11.4 | 25.0 | 57.1 | 96.3 | 154.9 | 172.0 | 174.0 | 988.0 |
| 1992-1993 | 122.3 | 82.5 | 44.3 | 14.7 | 15.7 | 16.4 | 29.4 | 58.4 | 87.2 | 170.5 | 182.8 | 161.3 | 985.6 |
| 1993-1994 | 100.9 | 80.3 | 32.4 | 23.0 | 21.5 | 20.9 | 28.5 | 65.2 | 93.7 | 140.9 | 155.9 | 151.3 | 914.6 |
| 1994-1995 | 124.6 | 80.5 | 32.8 | 16.6 | 18.3 | 20.4 | 32.1 | 50.1 | 85.5 | 153.6 | 158.6 | 138.3 | 911.3 |
| 1995-1996 | 124.2 | 71.3 | 28.7 | 18.6 | 14.5 | 23.7 | 30.0 | 51.9 | 113.5 | 165.6 | 179.6 | 143.0 | 964.6 |
| 1996-1997 | 116.2 | 62.5 | 42.9 | 26.9 | 19.8 | 16.3 | 25.4 | 46.5 | 96.0 | 155.8 | 180.9 | 139.5 | 928.7 |
| 1997-1998 | 106.1 | 66.5 | 38.3 | 21.9 | 15.4 | 19.1 | 25.4 | 62.0 | 84.8 | 139.3 | 173.3 | 161.1 | 913.2 |
| 1998-1999 | 108.2 | 71.6 | 41.9 | 22.4 | 17.7 | 19.0 | 27.4 | 49.0 | 90.3 | 139.4 | 152.5 | 135.5 | 874.8 |
| 1999-2000 | 115.2 | 74.6 | 37.8 | 25.6 | 10.0 | 15.5 | 24.7 | 57.9 | 86.3 | 154.1 | 174.1 | 142.7 | 918.5 |
| 2000-2001 | 111.4 | 63.3 | 37.8 | 20.2 | 17.7 | 19.9 | 40.3 | 58.7 | 93.0 | 134.3 | 155.6 | 139.6 | 891.8 |
| 2001-2002 | 118.1 | 73.0 | 36.1 | 21.0 | 12.1 | 25.2 | 36.2 | 52.6 | 85.5 | 146.7 | 172.2 | 144.4 | 923.2 |
| 2002-2003 | 105.1 | 69.1 | 41.0 | 17.1 | 20.5 | 14.7 | 21.3 | 49.3 | 106.4 | 147.0 | 167.2 | 148.8 | 907.4 |
| 2003-2004 | 115.2 | 75.1 | 39.4 | 22.0 | 15.1 | 20.1 | 33.9 | 55.3 | 85.5 | 144.2 | 163.6 | 138.6 | 908.1 |
| 2004-2005 | 111.8 | 79.0 | 37.6 | 17.8 | 17.6 | 17.0 | 33.3 | 60.7 | 89.6 | 136.7 | 161.0 | 143.9 | 905.9 |
| 2005-2006 | 117.6 | 63.6 | 32.3 | 22.9 | 15.2 | 20.2 | 31.5 | 61.8 | 91.0 | 144.6 | 163.0 | 149.1 | 912.8 |
| 2006-2007 | 207.5 | 120.1 | 52.2 | 28.0 | 9.0 | 15.5 | 21.0 | 34.8 | 102.3 | 153.3 | 174.9 | 166.1 | 1084.7 |
| 2007-2008 | 81.4 | 56.0 | 27.5 | 11.3 | 13.9 | 18.6 | 51.4 | 73.5 | 100.4 | 180.2 | 193.7 | 177.8 | 985.6 |
| 2008-2009 | 113.8 | 67.2 | 43.9 | 22.0 | 19.1 | 20.5 | 26.3 | 51.9 | 80.1 | 143.3 | 161.3 | 138.8 | 888.2 |
| 2009-2010 | 104.2 | 74.4 | 35.2 | 24.1 | 19.9 | 23.3 | 32.6 | 54.5 | 83.2 | 127.9 | 141.8 | 149.0 | 870.1 |
| 2010-2011 | 116.5 | 71.1 | 44.4 | 27.1 | 17.5 | 19.2 | 28.2 | 49.8 | 79.2 | 134.3 | 152.1 | 136.4 | 875.9 |
| 2011-2012 | 126.2 | 67.6 | 28.9 | 19.9 | 14.9 | 16.1 | 25.2 | 55.7 | 89.4 | 153.6 | 182.5 | 159.6 | 939.7 |
| 2012-2013 | 108.2 | 70.0 | 40.4 | 22.1 | 15.7 | 22.9 | 31.8 | 56.0 | 94.1 | 131.0 | 145.4 | 136.2 | 873.8 |
| 2013-2014 | 110.2 | 57.8 | 42.9 | 17.1 | 21.4 | 23.9 | 36.7 | 58.9 | 87.1 | 136.6 | 151.6 | 145.0 | 889.1 |
| 2014-2015 | 120.2 | 69.6 | 36.5 | 27.6 | 16.1 | 18.9 | 34.8 | 48.2 | 90.3 | 128.8 | 157.2 | 153.3 | 901.4 |
| AVERAGE | 117.8 | 73.7 | 38.9 | 22.0 | 16.6 | 19.6 | 30.5 | 56.7 | 90.7 | 145.8 | 164.7 | 147.6 | |

**Table A. 163** Zumrutkoy station Hargreaves results

| HG | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 171.3 | 167.9 | 138.2 | 135 | 127.7 | 119.9 | 136 | 143.2 | 161.7 | 178.8 | 191.9 | 188.5 | 1860.2 |
| 1979-1980 | 178 | 168.6 | 148.7 | 128.3 | 117.9 | 109.4 | 127.5 | 137.2 | 160.6 | 175.6 | 190.6 | 195.5 | 1837.8 |
| 1980-1981 | 172.6 | 167.3 | 145 | 132.5 | 121.9 | 109.9 | 134.5 | 141.1 | 154.2 | 176.4 | 191.7 | 192.1 | 1839.3 |
| 1981-1982 | 169.9 | 171.3 | 135.4 | 136.2 | 126.5 | 106.6 | 125.3 | 142.8 | 162.1 | 173.1 | 187.8 | 192.4 | 1829.4 |
| 1982-1983 | 178.9 | 168.8 | 134.7 | 127.3 | 114.4 | 106 | 126.8 | 140.3 | 165.3 | 170.4 | 190.1 | 188.9 | 1811.9 |
| 1983-1984 | 172.3 | 173.3 | 155.2 | 141.4 | 127.4 | 115.7 | 131.9 | 137.8 | 163.3 | 172.5 | 190.4 | 189 | 1870.4 |
| 1984-1985 | 175.2 | 166.1 | 136.9 | 124.5 | 126.8 | 105.2 | 130.1 | 143.6 | 171.3 | 176.4 | 193.8 | 196.3 | 1846.3 |
| 1985-1986 | 178.5 | 159.7 | 146.3 | 130.8 | 124.6 | 117.5 | 136.2 | 152.7 | 161.6 | 176.9 | 191.4 | 192.7 | 1869.1 |
| 1986-1987 | 181.8 | 165.1 | 132 | 127.1 | 127.1 | 117.2 | 120.7 | 137.8 | 159.6 | 175.7 | 196.6 | 194.9 | 1835.6 |
| 1987-1988 | 179.3 | 161.9 | 138.1 | 128.5 | 122.7 | 111.5 | 129 | 143.8 | 169 | 179 | 201.6 | 196.5 | 1860.8 |
| 1988-1989 | 180.5 | 163.8 | 130.9 | 126.3 | 110.7 | 106.9 | 132.8 | 151.4 | 168.8 | 174.2 | 195.1 | 193.9 | 1835.4 |
| 1989-1990 | 174.8 | 158.9 | 141.8 | 130.4 | 115.1 | 109.8 | 130.9 | 142.3 | 161.7 | 173.8 | 192.6 | 192 | 1824.3 |
| 1990-1991 | 174.3 | 166.4 | 144.6 | 132.1 | 121.2 | 110.4 | 136.7 | 145.5 | 159.5 | 174.7 | 188 | 190.8 | 1844.2 |
| 1991-1992 | 174 | 167.5 | 140 | 122.6 | 114.5 | 98.7 | 122.2 | 137 | 160.2 | 171.6 | 187.4 | 195.5 | 1791.2 |
| 1992-1993 | 171.2 | 165.1 | 140.2 | 116.7 | 117.5 | 104.8 | 126.6 | 138.2 | 156.6 | 177.2 | 191.9 | 191.6 | 1797.5 |
| 1993-1994 | 169.4 | 170.9 | 134.9 | 131.1 | 128.8 | 112.5 | 129.7 | 147.2 | 166.3 | 175.5 | 191.4 | 196.8 | 1854.5 |
| 1994-1995 | 182.6 | 173.3 | 136.7 | 123.7 | 125.7 | 113 | 134.3 | 139.7 | 164.2 | 182.4 | 195.2 | 193.9 | 1864.7 |
| 1995-1996 | 175.7 | 161.8 | 129 | 123.5 | 117.3 | 113.5 | 129 | 136.8 | 171.7 | 179.6 | 195.2 | 188.6 | 1821.8 |
| 1996-1997 | 175.7 | 158.9 | 143.9 | 135.4 | 126.2 | 107.2 | 126.4 | 135.5 | 166.8 | 179.8 | 199.6 | 191 | 1846.3 |
| 1997-1998 | 173.9 | 164 | 141.8 | 130.9 | 121.4 | 111.5 | 127.8 | 146.9 | 163.6 | 177 | 200.4 | 203.5 | 1862.7 |
| 1998-1999 | 179.6 | 171.7 | 148.4 | 134.1 | 127 | 113.3 | 132.3 | 141.9 | 170.7 | 181.8 | 197.9 | 197.9 | 1896.5 |
| 1999-2000 | 178.4 | 169.6 | 141.5 | 135.6 | 112.2 | 107.4 | 127.2 | 144.6 | 164.6 | 182.5 | 201 | 195.9 | 1860.5 |
| 2000-2001 | 178.3 | 163.3 | 142.6 | 129.6 | 125.6 | 113.1 | 142.5 | 146.2 | 169.5 | 177 | 195.9 | 196.4 | 1880.2 |
| 2001-2002 | 177.4 | 166.5 | 138.5 | 128.7 | 115.2 | 116.8 | 136.6 | 139.9 | 162.3 | 177.5 | 197.6 | 194.1 | 1851.2 |
| 2002-2003 | 175 | 167.2 | 145.3 | 125 | 129.4 | 106.9 | 124.2 | 140.1 | 176 | 181.5 | 200.1 | 200.3 | 1871.0 |
| 2003-2004 | 177.8 | 169.4 | 142.5 | 130.8 | 120.7 | 112.3 | 135.6 | 142.6 | 163.7 | 178.4 | 196.3 | 193.4 | 1863.5 |
| 2004-2005 | 176.8 | 172.4 | 141.4 | 125.4 | 124.6 | 109.2 | 135.4 | 146.3 | 166.3 | 176.3 | 196.1 | 196.5 | 1866.6 |
| 2005-2006 | 179.3 | 162.1 | 136 | 132.2 | 120.9 | 112.6 | 133.7 | 146.9 | 166.9 | 178.9 | 196.6 | 198.5 | 1864.5 |
| 2006-2007 | 183.2 | 168.9 | 136 | 124.7 | 103 | 99 | 112.9 | 116.7 | 151.3 | 158.1 | 173.3 | 176.9 | 1704.1 |
| 2007-2008 | 155.6 | 151.3 | 127.5 | 112.6 | 116.2 | 108.2 | 145 | 148.1 | 165.3 | 183.4 | 199.1 | 201.6 | 1813.9 |
| 2008-2009 | 180.1 | 166.7 | 148.5 | 132.4 | 128 | 114.1 | 129.9 | 142.4 | 163.2 | 181 | 198.9 | 196.9 | 1882.2 |
| 2009-2010 | 177 | 172.9 | 141.4 | 135.9 | 129.8 | 117.7 | 136.9 | 145.1 | 166.2 | 176.6 | 192.6 | 203.2 | 1895.3 |
| 2010-2011 | 182.3 | 170.1 | 149.6 | 139.4 | 126 | 113.1 | 132.4 | 141.6 | 163.4 | 178.5 | 196.3 | 196.8 | 1889.5 |
| 2011-2012 | 181.2 | 163.3 | 131.6 | 127.3 | 119.8 | 107.4 | 126.7 | 142 | 164.5 | 180.3 | 201.6 | 200.7 | 1846.3 |
| 2012-2013 | 179.2 | 170.1 | 146.6 | 133.4 | 123.5 | 117.4 | 136.3 | 146.3 | 172.3 | 178.1 | 194.5 | 197.6 | 1895.2 |
| 2013-2014 | 177.7 | 159.3 | 147.1 | 125.2 | 130.8 | 117.3 | 139.4 | 146.3 | 166.4 | 177.8 | 194.2 | 198.8 | 1880.4 |
| 2014-2015 | 180.2 | 166 | 140 | 137.8 | 122.3 | 111.2 | 136.5 | 138.3 | 166.3 | 172.9 | 194.2 | 200 | 1865.7 |
| AVERAGE | 176.5 | 166.3 | 140.5 | 129.6 | 121.9 | 110.9 | 131.3 | 142.1 | 164.5 | 176.8 | 194.3 | 194.9 | |

**Table A. 164** Zumrutkoy station Blaney-Criddle results

| BC | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 131.8 | 62.18 | 46.61 | 43.23 | 42.11 | 42.96 | 53.53 | 116.7 | 141.4 | 161.8 | 170.9 | 157.9 | 1171.1 |
| 1979-1980 | 137 | 62.42 | 50.15 | 41.07 | 38.85 | 39.19 | 50.21 | 111.8 | 140.4 | 158.9 | 169.7 | 163.7 | 1163.3 |
| 1980-1981 | 132.8 | 61.97 | 48.92 | 42.44 | 40.21 | 39.37 | 52.96 | 114.9 | 134.7 | 159.6 | 170.7 | 160.9 | 1159.6 |
| 1981-1982 | 130.8 | 63.45 | 45.68 | 43.61 | 41.72 | 38.17 | 49.34 | 116.4 | 141.7 | 156.7 | 167.2 | 161.2 | 1155.9 |
| 1982-1983 | 137.7 | 62.5 | 45.41 | 40.77 | 37.7 | 37.95 | 49.92 | 114.3 | 144.5 | 154.3 | 169.1 | 158.2 | 1152.5 |
| 1983-1984 | 132.6 | 64.15 | 52.38 | 45.29 | 42 | 41.43 | 51.95 | 112.3 | 142.8 | 156.2 | 169.5 | 158.3 | 1168.8 |
| 1984-1985 | 134.9 | 61.5 | 46.18 | 39.88 | 41.8 | 37.65 | 51.22 | 117 | 149.7 | 159.7 | 172.5 | 164.4 | 1176.5 |
| 1985-1986 | 137.5 | 59.11 | 49.34 | 41.88 | 41.08 | 42.08 | 53.65 | 124.5 | 141.3 | 160.2 | 170.4 | 161.4 | 1182.3 |
| 1986-1987 | 139.9 | 61.11 | 44.52 | 40.7 | 41.92 | 41.97 | 47.53 | 112.2 | 139.5 | 159 | 175 | 163.2 | 1166.7 |
| 1987-1988 | 138 | 59.92 | 46.55 | 41.15 | 40.45 | 39.94 | 50.83 | 117.1 | 147.7 | 162 | 179.5 | 164.6 | 1187.7 |
| 1988-1989 | 139 | 60.66 | 44.15 | 40.44 | 36.47 | 38.29 | 52.31 | 123.4 | 147.6 | 157.7 | 173.6 | 162.4 | 1176.1 |
| 1989-1990 | 134.5 | 58.82 | 47.83 | 41.77 | 37.95 | 39.32 | 51.57 | 115.9 | 141.4 | 157.3 | 171.4 | 160.8 | 1158.6 |
| 1990-1991 | 134.2 | 61.63 | 48.77 | 42.31 | 39.93 | 39.56 | 53.84 | 118.5 | 139.4 | 158.1 | 167.4 | 159.8 | 1163.6 |
| 1991-1992 | 134 | 62.01 | 47.22 | 39.25 | 37.73 | 35.35 | 48.13 | 111.6 | 140 | 155.3 | 166.9 | 163.7 | 1141.1 |
| 1992-1993 | 131.8 | 61.14 | 47.29 | 37.34 | 38.73 | 37.53 | 49.83 | 112.6 | 136.9 | 160.4 | 170.8 | 160.5 | 1144.8 |
| 1993-1994 | 130.4 | 63.29 | 45.5 | 42 | 42.48 | 40.29 | 51.07 | 120 | 145.4 | 158.8 | 170.3 | 164.9 | 1174.3 |
| 1994-1995 | 140.6 | 64.18 | 46.1 | 39.62 | 41.43 | 40.46 | 52.89 | 113.8 | 143.5 | 165.1 | 173.7 | 162.4 | 1183.8 |
| 1995-1996 | 135.3 | 59.92 | 43.51 | 39.55 | 38.67 | 40.66 | 50.8 | 111.5 | 150.1 | 162.5 | 173.8 | 158 | 1164.3 |
| 1996-1997 | 135.2 | 58.83 | 48.52 | 43.37 | 41.6 | 38.39 | 49.75 | 110.4 | 145.8 | 162.8 | 177.7 | 159.9 | 1172.2 |
| 1997-1998 | 133.8 | 60.74 | 47.83 | 41.92 | 39.99 | 39.94 | 50.31 | 119.7 | 143 | 160.2 | 178.4 | 170.5 | 1186.4 |
| 1998-1999 | 138.3 | 63.58 | 50.03 | 42.95 | 41.85 | 40.59 | 52.07 | 115.6 | 149.2 | 164.6 | 176.2 | 165.7 | 1200.7 |
| 1999-2000 | 137.3 | 62.79 | 47.71 | 43.44 | 37 | 38.49 | 50.09 | 117.8 | 143.9 | 165.2 | 178.9 | 164.1 | 1186.8 |
| 2000-2001 | 137.3 | 60.5 | 48.09 | 41.5 | 41.41 | 40.53 | 56.12 | 119.2 | 148.2 | 160.2 | 174.4 | 164.5 | 1191.8 |
| 2001-2002 | 136.6 | 61.68 | 46.71 | 41.19 | 37.99 | 41.83 | 53.8 | 114 | 141.8 | 160.7 | 175.9 | 162.6 | 1174.8 |
| 2002-2003 | 134.7 | 61.9 | 49.02 | 40.03 | 42.67 | 38.3 | 48.89 | 114.1 | 153.9 | 164.3 | 178.2 | 167.7 | 1193.7 |
| 2003-2004 | 136.8 | 62.71 | 48.08 | 41.89 | 39.79 | 40.25 | 53.39 | 116.2 | 143 | 161.4 | 174.8 | 162 | 1180.3 |
| 2004-2005 | 136.1 | 63.82 | 47.66 | 40.16 | 41.07 | 39.12 | 53.34 | 119.2 | 145.4 | 159.5 | 174.5 | 164.5 | 1184.4 |
| 2005-2006 | 138 | 60.01 | 45.88 | 42.33 | 39.88 | 40.35 | 52.63 | 119.6 | 145.9 | 162 | 175 | 166.2 | 1187.8 |
| 2006-2007 | 141 | 62.55 | 45.85 | 39.94 | 33.95 | 35.45 | 44.44 | 95.09 | 132.2 | 143.1 | 154.3 | 148.2 | 1076.0 |
| 2007-2008 | 119.8 | 56.04 | 42.98 | 36.07 | 38.28 | 38.75 | 57.12 | 120.7 | 144.5 | 166 | 177.3 | 168.8 | 1166.3 |
| 2008-2009 | 138.7 | 61.72 | 50.1 | 42.41 | 42.19 | 40.87 | 51.17 | 116 | 142.7 | 163.9 | 177.1 | 164.9 | 1191.6 |
| 2009-2010 | 136.2 | 64.02 | 47.69 | 43.54 | 42.8 | 42.14 | 53.92 | 118.2 | 145.2 | 159.8 | 171.5 | 170.2 | 1195.3 |
| 2010-2011 | 140.3 | 63 | 50.47 | 44.64 | 41.53 | 40.49 | 52.12 | 115.4 | 142.8 | 161.6 | 174.7 | 164.8 | 1191.9 |
| 2011-2012 | 139.5 | 60.45 | 44.39 | 40.77 | 39.49 | 38.46 | 49.88 | 115.6 | 143.8 | 163.1 | 179.4 | 168.1 | 1183.0 |
| 2012-2013 | 137.9 | 63 | 49.46 | 42.72 | 40.74 | 42.06 | 53.7 | 119.2 | 150.6 | 161.2 | 173.1 | 165.5 | 1199.1 |
| 2013-2014 | 136.8 | 59.01 | 49.63 | 40.09 | 43.1 | 42.03 | 54.88 | 119.2 | 145.4 | 160.9 | 172.9 | 166.5 | 1190.5 |
| 2014-2015 | 138.8 | 61.45 | 47.24 | 44.13 | 40.31 | 39.83 | 53.77 | 112.7 | 145.4 | 156.5 | 172.8 | 167.6 | 1180.4 |
| AVERAGE | 135.8 | 61.6 | 47.4 | 41.5 | 40.2 | 39.7 | 51.7 | 115.7 | 143.8 | 160.0 | 173.0 | 163.2 | |

**Table A. 165** Zumrutkoy station Rs results

| Rs | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1978-1979 | 112.3 | 89.77 | 54.4 | 43.1 | 42.84 | 50.16 | 79.18 | 98.67 | 126.7 | 146.7 | 153.3 | 139.9 | 1137.0 |
| 1979-1980 | 116.1 | 90.13 | 60.32 | 39.34 | 37.32 | 44.24 | 74.43 | 95.26 | 126.1 | 144.9 | 152.5 | 143.8 | 1124.4 |
| 1980-1981 | 113 | 89.43 | 58.28 | 41.72 | 39.6 | 44.54 | 78.34 | 97.47 | 122.5 | 145.3 | 153.2 | 141.9 | 1125.3 |
| 1981-1982 | 111.5 | 91.67 | 52.88 | 43.76 | 42.18 | 42.65 | 73.2 | 98.43 | 126.9 | 143.5 | 150.9 | 142.1 | 1119.7 |
| 1982-1983 | 116.6 | 90.24 | 52.45 | 38.78 | 35.35 | 42.32 | 74.02 | 97.02 | 128.8 | 142 | 152.2 | 140.1 | 1109.9 |
| 1983-1984 | 112.9 | 92.76 | 63.99 | 46.72 | 42.67 | 47.79 | 76.93 | 95.63 | 127.6 | 143.2 | 152.4 | 140.2 | 1142.7 |
| 1984-1985 | 114.5 | 88.73 | 53.7 | 37.24 | 42.35 | 41.86 | 75.87 | 98.87 | 132.1 | 145.3 | 154.3 | 144.3 | 1129.2 |
| 1985-1986 | 116.4 | 85.14 | 58.97 | 40.74 | 41.11 | 48.79 | 79.33 | 104 | 126.7 | 145.6 | 153 | 142.2 | 1142.0 |
| 1986-1987 | 118.2 | 88.15 | 50.94 | 38.67 | 42.52 | 48.61 | 70.63 | 95.59 | 125.6 | 144.9 | 155.9 | 143.5 | 1123.2 |
| 1987-1988 | 116.8 | 86.35 | 54.35 | 39.45 | 40.02 | 45.42 | 75.3 | 98.97 | 130.8 | 146.8 | 158.7 | 144.4 | 1137.3 |
| 1988-1989 | 117.5 | 87.45 | 50.34 | 38.21 | 33.26 | 42.83 | 77.41 | 103.3 | 130.7 | 144.1 | 155.1 | 142.9 | 1123.1 |
| 1989-1990 | 114.3 | 84.67 | 56.46 | 40.55 | 35.77 | 44.49 | 76.37 | 98.11 | 126.7 | 143.9 | 153.7 | 141.8 | 1116.8 |
| 1990-1991 | 114 | 88.91 | 58.01 | 41.47 | 39.16 | 44.82 | 79.6 | 99.92 | 125.5 | 144.4 | 151.1 | 141.2 | 1128.0 |
| 1991-1992 | 113.9 | 89.52 | 55.44 | 36.15 | 35.41 | 38.23 | 71.48 | 95.15 | 125.9 | 142.6 | 150.8 | 143.8 | 1098.3 |
| 1992-1993 | 112.3 | 88.19 | 55.57 | 32.8 | 37.08 | 41.63 | 73.9 | 95.81 | 123.9 | 145.8 | 153.3 | 141.6 | 1101.8 |
| 1993-1994 | 111.3 | 91.45 | 52.58 | 40.94 | 43.48 | 45.96 | 75.65 | 100.9 | 129.3 | 144.8 | 153 | 144.6 | 1133.8 |
| 1994-1995 | 118.6 | 92.8 | 53.61 | 36.78 | 41.69 | 46.26 | 78.25 | 96.69 | 128.1 | 148.7 | 155.1 | 142.9 | 1139.6 |
| 1995-1996 | 114.8 | 86.34 | 49.28 | 36.66 | 36.97 | 46.56 | 75.26 | 95.04 | 132.4 | 147.1 | 155.1 | 139.9 | 1115.5 |
| 1996-1997 | 114.8 | 84.69 | 57.6 | 43.33 | 41.99 | 43 | 73.79 | 94.32 | 129.6 | 147.3 | 157.6 | 141.3 | 1129.2 |
| 1997-1998 | 113.8 | 87.57 | 56.45 | 40.8 | 39.27 | 45.44 | 74.58 | 100.7 | 127.8 | 145.7 | 158.1 | 148.3 | 1138.4 |
| 1998-1999 | 117 | 91.87 | 60.13 | 42.61 | 42.42 | 46.43 | 77.1 | 97.92 | 131.8 | 148.4 | 156.7 | 145.1 | 1157.4 |
| 1999-2000 | 116.3 | 90.69 | 56.26 | 43.47 | 34.15 | 43.14 | 74.24 | 99.45 | 128.3 | 148.8 | 158.4 | 144 | 1137.2 |
| 2000-2001 | 116.3 | 87.19 | 56.89 | 40.09 | 41.66 | 46.33 | 82.87 | 100.4 | 131.1 | 145.7 | 155.5 | 144.3 | 1148.3 |
| 2001-2002 | 115.7 | 88.99 | 54.59 | 39.55 | 35.81 | 48.4 | 79.55 | 96.8 | 127.1 | 146 | 156.5 | 143 | 1132.0 |
| 2002-2003 | 114.4 | 89.36 | 58.43 | 37.48 | 43.79 | 42.86 | 72.57 | 96.89 | 134.8 | 148.2 | 157.9 | 146.5 | 1143.1 |
| 2003-2004 | 116 | 90.57 | 56.86 | 40.76 | 38.91 | 45.89 | 78.98 | 98.32 | 127.8 | 146.5 | 155.7 | 142.6 | 1138.9 |
| 2004-2005 | 115.4 | 92.26 | 56.2 | 37.73 | 41.09 | 44.14 | 78.88 | 100.4 | 129.3 | 145.3 | 155.6 | 144.3 | 1140.6 |
| 2005-2006 | 116.8 | 86.49 | 53.2 | 41.51 | 39.02 | 46.07 | 77.92 | 100.7 | 129.7 | 146.8 | 155.9 | 145.5 | 1139.5 |
| 2006-2007 | 119 | 90.33 | 53.18 | 37.35 | 28.96 | 38.4 | 66.23 | 83.76 | 120.9 | 135 | 142.8 | 133.4 | 1049.3 |
| 2007-2008 | 103.5 | 80.45 | 48.4 | 30.55 | 36.35 | 43.55 | 84.29 | 101.4 | 128.7 | 149.3 | 157.3 | 147.2 | 1111.0 |
| 2008-2009 | 117.3 | 89.09 | 60.24 | 41.65 | 43 | 46.87 | 75.78 | 98.2 | 127.6 | 147.9 | 157.2 | 144.6 | 1149.4 |
| 2009-2010 | 115.5 | 92.54 | 56.25 | 43.63 | 44.02 | 48.89 | 79.73 | 99.7 | 129.3 | 145.5 | 153.7 | 148.1 | 1156.7 |
| 2010-2011 | 118.5 | 91.01 | 60.85 | 45.57 | 41.85 | 46.32 | 77.17 | 97.76 | 127.7 | 146.5 | 155.7 | 144.5 | 1153.5 |
| 2011-2012 | 117.9 | 87.16 | 50.73 | 38.8 | 38.39 | 43.1 | 73.99 | 97.94 | 128.3 | 147.5 | 158.7 | 146.7 | 1129.2 |
| 2012-2013 | 116.7 | 91.01 | 59.17 | 42.19 | 40.49 | 48.72 | 79.39 | 100.4 | 132.7 | 146.3 | 154.7 | 145 | 1156.7 |
| 2013-2014 | 115.9 | 84.95 | 59.45 | 37.6 | 44.56 | 48.7 | 81.13 | 100.4 | 129.4 | 146.1 | 154.6 | 145.7 | 1148.3 |
| 2014-2015 | 117.3 | 88.66 | 55.46 | 44.69 | 39.78 | 45.26 | 79.5 | 95.87 | 129.3 | 143.4 | 154.5 | 146.3 | 1140.1 |
| AVERAGE | 115.2 | 88.8 | 55.7 | 40.1 | 39.6 | 45.1 | 76.6 | 98.0 | 128.3 | 145.6 | 154.6 | 143.4 | |

## APPENDIX B

## ANNUAL PET MAPS

In this Appendix, annual PET distributions will be shared. Five maps were provided from five methods. In these maps, stations monthly averages were calculated, and summed in order to find average annual total.

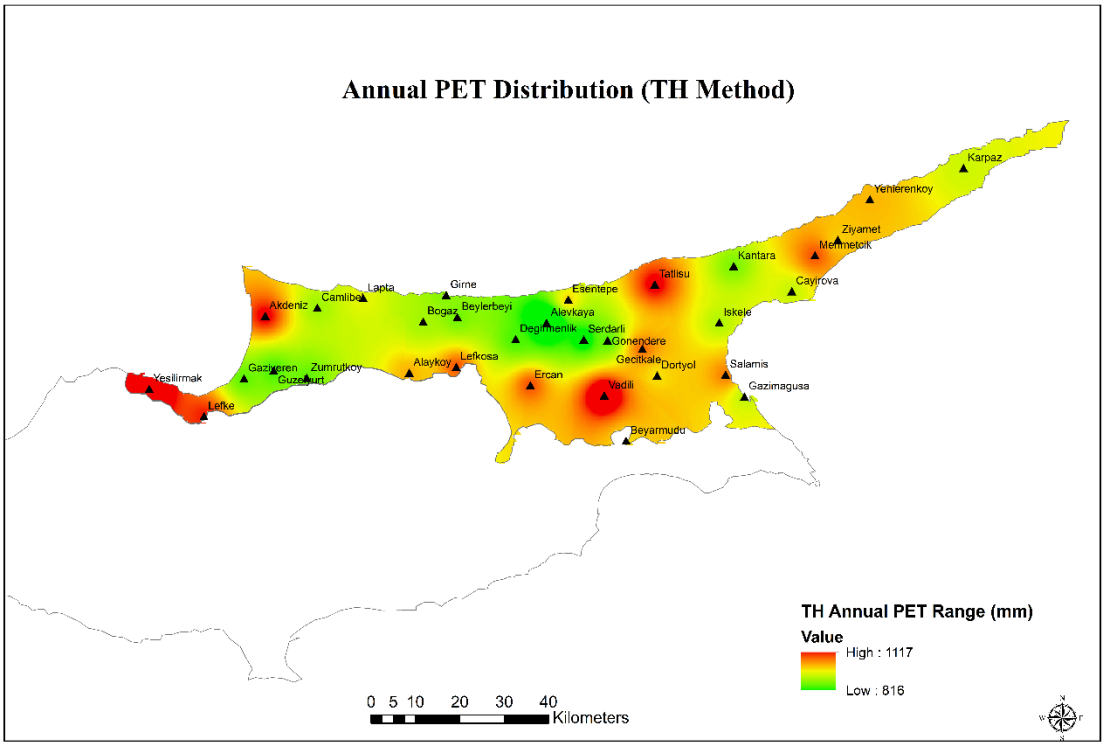



**Figure B.1** Annual PET distribution of Thornthwaite method

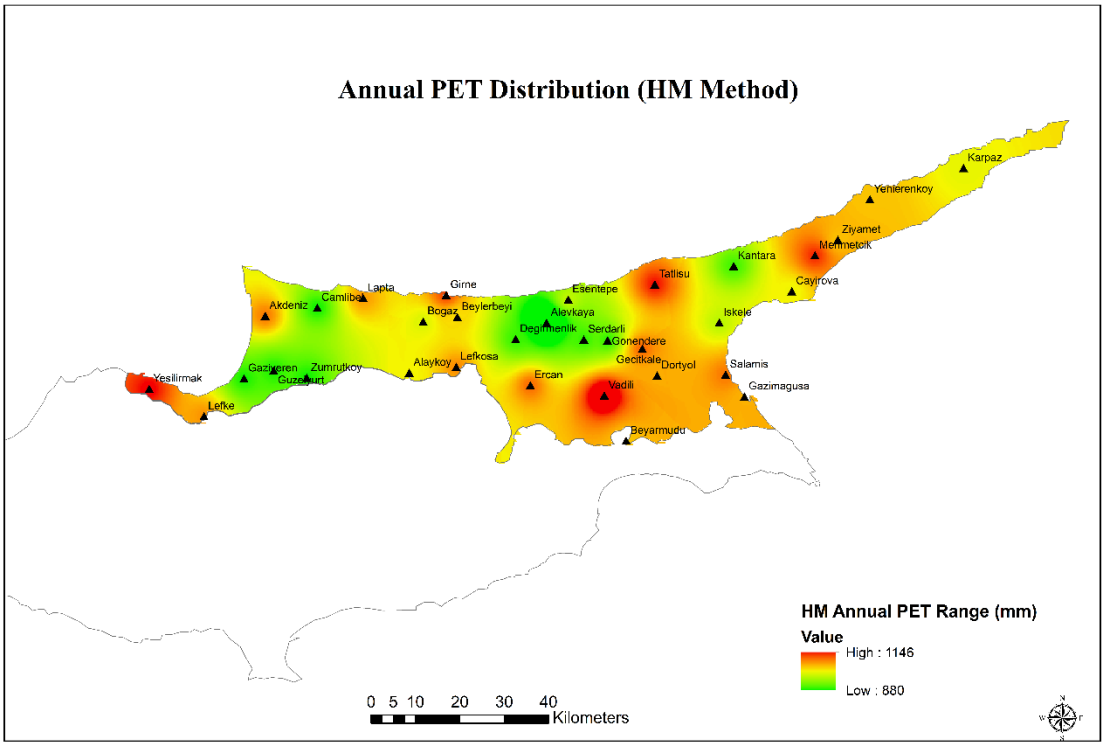



**Figure B.2** Annual PET distribution of Hamon method

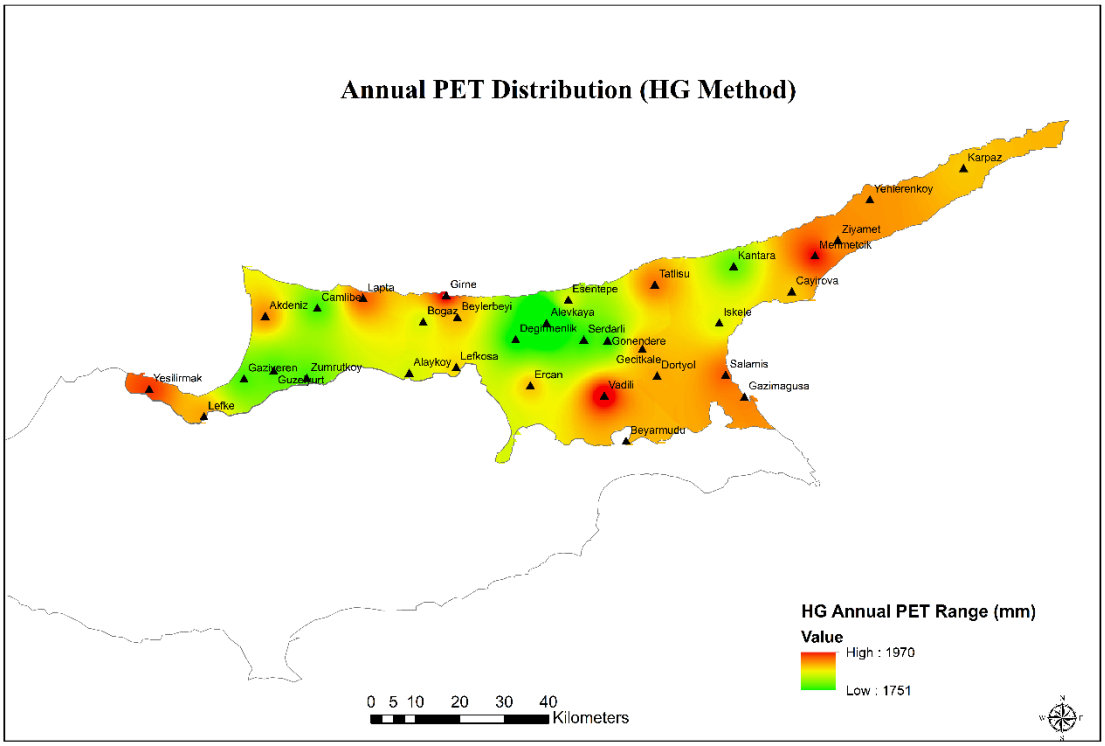



**Figure B.3** Annual PET distribution of Thornthwaite method

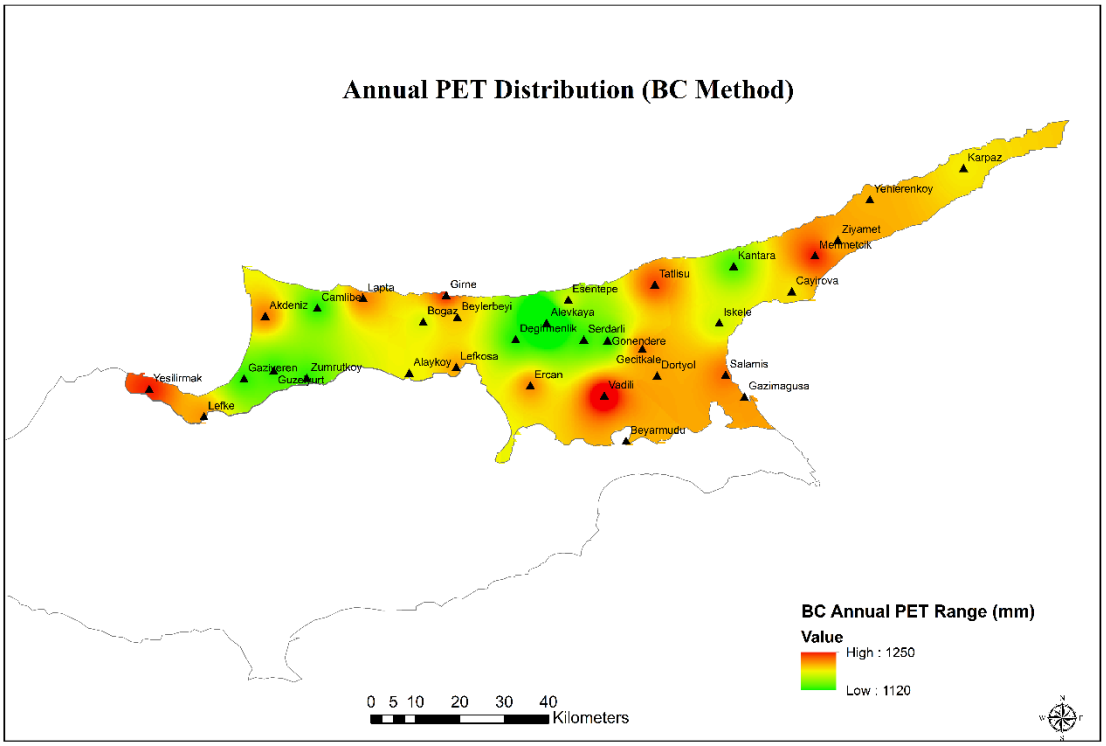



**Figure B.4** Annual PET distribution of Thornthwaite method

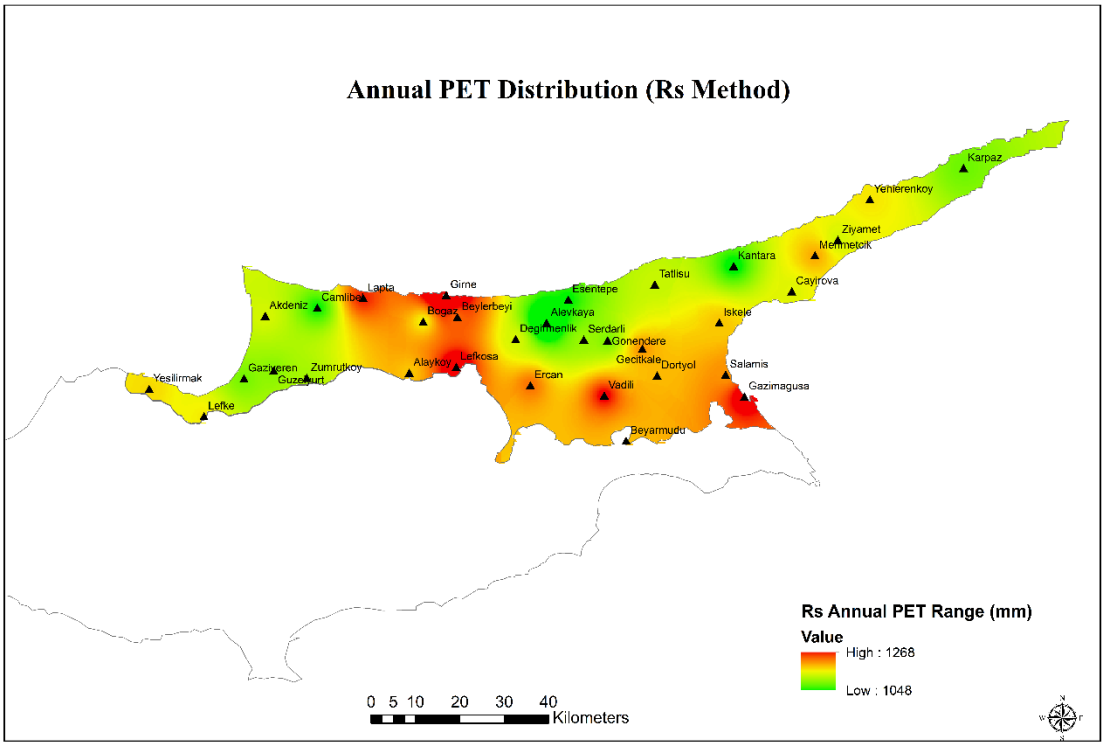



**Figure B.5** Annual PET distribution of Thornthwaite method