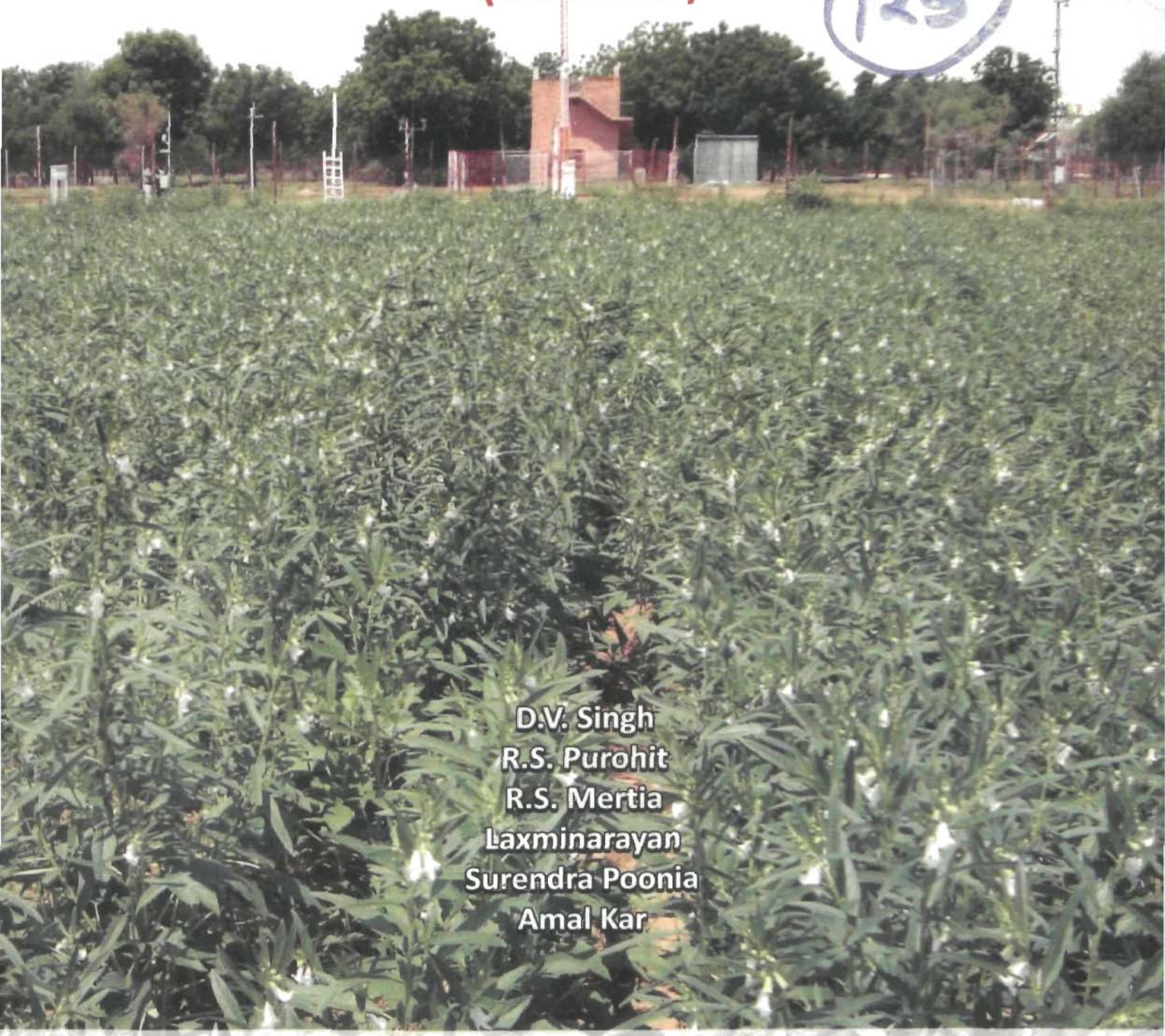
Agrometeorological Data Handbook of Jodhpur

(1971-2010)



D.V. Singh
R.S. Purohit
R.S. Mertia
Laxminarayan
Surendra Poonia
Amal Kar

CENTRAL ARID ZONE RESEARCH INSTITUTE
(Indian Council of Agricultural Research)
JODHPUR 342 003 INDIA

Agrometeorological Data Handbook of Jodhpur (1971-2010)

D.V. Singh
R.S. Purohit
R.S. Mertia
Laxminarayan
Surendra Poonia
Amal Kar

Central Arid Zone Research Institute
(Indian Council of Agricultural Research)
Jodhpur 342 003, India

Central Arid Zone Research Institute,
Jodhpur 342 003, India

Phone: +91-291-2786584
Fax: +91-291-2788706
e-mail: director@cazri.res.in
Website: http://www.cazri.res.in

Published by
Director
CAZRI, Jodhpur

Correct citation
Singh, D.V., Purohit, R.S., Mertia, R.S., Laxminarayan, Poonia, S. and Kar, A. 2011. Agrometeorological Data Handbook of Jodhpur (1971-2010). Central Arid Zone Research Institute, Jodhpur, India, 110 p.

December 2011

DTP: S.B. Sharma

Printed at: Evergreen Printers, Jodhpur

Foreword

Climate is one of the major physical factors that govern the choice of crops, cropping systems or farming systems of a region anywhere in the world. Each crop has its own weather optima for full expression of its yield potential. Using a knowledge base on the weather conditions during the growing season and perceptions in near-real time of the weather variability, stakeholders apply available agro-techniques and management practices to get the actual yield. In fact, in a monsoon-dominated tropical country like India, intra- and inter-annual weather variability has very high influence on crop yield. Rainfed agriculture is much more vulnerable to weather vagaries as compared to the irrigated agriculture, especially in the low rainfall areas like the arid zones. The hot arid regions of Asia and Africa are more vulnerable due not only to the unfavourable climatic conditions but also due to the poor socio-economic condition of farmers. Added to this is the current concern that climate change related to global warming will exacerbate the problems of agriculture in near future. Arid zones, already handicapped by an unfavourable climate, might be affected more by the weather aberrations.

Input and investment in rainfed agriculture in arid region is very low due to the high weather variability and uncertainty, particularly in rainfall, and the associated high perceived risk by farmers. In extreme situations, annual rainfall during a severe drought year in the Indian arid zone has been less than the high rainfall received on a single day in other years. Fortunately, there were only three years during the past forty years when monsoon rainfall was less than 50% (severe deficit) of mean rainfall.

Considering the very high importance of weather conditions in agriculture, Central Arid Zone Research Institute (CAZRI), maintains a meteorological observatory at its headquarters, Jodhpur, and at four Regional Research Stations and some Experimental Areas. The meteorological observatory at Jodhpur is recording weather data for over four decades, and is now a part of the India Meteorology Department's (IMD) national agro-meteorological network, providing regular weather forecast and weather-based agro-advisory to the farmers of the region.

Considering the increasing importance of the weather parameters due to climate change issues, it was felt necessary to summarise the daily weather characteristics for the last four decades in the form of a Data Handbook, so that the peculiarities of the weather for a particular period can be better perceived by the different stakeholders, including researchers and policy planners, in the context of the two major crops of the region, pearl millet during kharif season and mustard during rabi season. While summarising the information for 1971-2010 on daily, weekly and monthly time scales the researchers have come across some astounding features of the changing weather at Jodhpur over the years, with implications for cropping and other activities. I hope that this Data Handbook will strengthen our knowledge base on the changing weather phenomena and help in developing suitable management strategies for different cropping/farming systems.

M.M Roy
Director
Central Arid Zone Research Institute,
Jodhpur

Acronyms and abbreviations used

*	F test significant at 5% level of significance
**	F test significant at 1% level of significance
CV	Coefficient of variation (%)
DTR	Diurnal temperature range (°C)
Evapo	Evaporation (mm)
G.Mean	Grand mean (1971-2010)
IMD	India Meteorology Department
Max	Maximum
Min	Minimum
Met. week	Meteorological week
Rainfall classification	
AN	Above Normal (25.1 to 50% above normal rainfall)
BN	Below Normal (25.1 to 50% less than normal rainfall)
Ex	Excess (more than 50.0% of normal rainfall)
N	Normal (±25% of normal rainfall)
SD	Severe Deficit (less than 50.0% of normal rainfall)
RH	Relative humidity (%)
RH-I	Relative humidity (%) at 07.38h
RH-II	Relative humidity (%) at 14.38h
SD	Standard deviation
SE	Standard error
SS	Sunshine hours (h)
Tmax	Maximum temperature (°C)
Tmin	Minimum temperature (°C)
WS	Wind speed (kmph)

Dates of standard meteorological weeks

Met. week	Dates				Met. week	Dates			
1	1	January	- 7	January	27	2	July	- 8	July
2	8	January	- 14	January	28	9	July	- 15	July
3	15	January	- 21	January	29	16	July	- 22	July
4	22	January	- 28	January	30	23	July	- 29	July
5	29	January	- 4	February	31	30	July	- 5	August
6	5	February	- 11	February	32	6	August	- 12	August
7	12	February	- 18	February	33	13	August	- 19	August
8	19	February	- 25	February	34	20	August	- 26	August
9*	26	February	- 4	March	35	27	August	- 2	September
10	5	March	- 11	March	36	3	September	- 9	September
11	12	March	- 18	March	37	10	September	- 16	September
12	19	March	- 25	March	38	17	September	- 23	September
13	26	March	- 1	April	39	24	September	- 30	September
14	2	April	- 8	April	40	1	October	- 7	October
15	9	April	- 15	April	41	8	October	- 14	October
16	16	April	- 22	April	42	15	October	- 21	October
17	23	April	- 29	April	43	22	October	- 28	October
18	30	April	- 6	May	44	29	October	- 4	November
19	7	May	- 13	May	45	5	November	- 11	November
20	14	May	- 20	May	46	12	November	- 18	November
21	21	May	- 27	May	47	19	November	- 25	November
22	28	May	- 3	June	48	26	November	- 2	December
23	4	June	- 10	June	49	3	December	- 9	December
24	11	June	- 17	June	50	10	December	- 16	December
25	18	June	- 24	June	51	17	December	- 23	December
26	25	June	- 1	July	52#	24	December	- 31	December

*Met. week 9 has 8 days in the leap year and 7 days in a normal year

#Met. week 52 is always of 8 days

Contents

Chapter	Page
Foreword	i
Acronyms and abbreviations used	iii
Dates of standard meteorological weeks	iv
Agrometeorological characteristics of Jodhpur weather (1971-2010)	1
Daily and weekly weather data	7
Table 1. Daily and weekly weather characteristics of meteorological week 1	9
Table 2. Daily and weekly weather characteristics of meteorological week 2	10
Table 3. Daily and weekly weather characteristics of meteorological week 3	11
Table 4. Daily and weekly weather characteristics of meteorological week 4	12
Table 5. Daily and weekly weather characteristics of meteorological week 5	13
Table 6. Daily and weekly weather characteristics of meteorological week 6	14
Table 7. Daily and weekly weather characteristics of meteorological week 7	15
Table 8. Daily and weekly weather characteristics of meteorological week 8	16
Table 9. Daily and weekly weather characteristics of meteorological week 9	17
Table 10. Daily and weekly weather characteristics of meteorological week 10	18
Table 11. Daily and weekly weather characteristics of meteorological week 11	19
Table 12. Daily and weekly weather characteristics of meteorological week 12	20
Table 13. Daily and weekly weather characteristics of meteorological week 13	21
Table 14. Daily and weekly weather characteristics of meteorological week 14	22
Table 15. Daily and weekly weather characteristics of meteorological week 15	23
Table 16. Daily and weekly weather characteristics of meteorological week 16	24
Table 17. Daily and weekly weather characteristics of meteorological week 17	25
Table 18. Daily and weekly weather characteristics of meteorological week 18	26
Table 19. Daily and weekly weather characteristics of meteorological week 19	27
Table 20. Daily and weekly weather characteristics of meteorological week 20	28
Table 21. Daily and weekly weather characteristics of meteorological week 21	29
Table 22. Daily and weekly weather characteristics of meteorological week 22	30
Table 23. Daily and weekly weather characteristics of meteorological week 23	31
Table 24. Daily and weekly weather characteristics of meteorological week 24	32
Table 25. Daily and weekly weather characteristics of meteorological week 25	33
Table 26. Daily and weekly weather characteristics of meteorological week 26	34
Table 27. Daily and weekly weather characteristics of meteorological week 27	35
Table 28. Daily and weekly weather characteristics of meteorological week 28	36
Table 29. Daily and weekly weather characteristics of meteorological week 29	37
Table 30. Daily and weekly weather characteristics of meteorological week 30	38
Table 31. Daily and weekly weather characteristics of meteorological week 31	39

Table 32. Daily and weekly weather characteristics of meteorological week 32 40
Table 33. Daily and weekly weather characteristics of meteorological week 33 41
Table 34. Daily and weekly weather characteristics of meteorological week 34 42
Table 35. Daily and weekly weather characteristics of meteorological week 35 43
Table 36. Daily and weekly weather characteristics of meteorological week 36 44
Table 37. Daily and weekly weather characteristics of meteorological week 37 45
Table 38. Daily and weekly weather characteristics of meteorological week 38 46
Table 39. Daily and weekly weather characteristics of meteorological week 39 47
Table 40. Daily and weekly weather characteristics of meteorological week 40 48
Table 41. Daily and weekly weather characteristics of meteorological week 41 49
Table 42. Daily and weekly weather characteristics of meteorological week 42 50
Table 43. Daily and weekly weather characteristics of meteorological week 43 51
Table 44. Daily and weekly weather characteristics of meteorological week 44 52
Table 45. Daily and weekly weather characteristics of meteorological week 45 53
Table 46. Daily and weekly weather characteristics of meteorological week 46 54
Table 47. Daily and weekly weather characteristics of meteorological week 47 55
Table 48. Daily and weekly weather characteristics of meteorological week 48 56
Table 49. Daily and weekly weather characteristics of meteorological week 49 57
Table 50. Daily and weekly weather characteristics of meteorological week 50 58
Table 51. Daily and weekly weather characteristics of meteorological week 51 59
Table 52. Daily and weekly weather characteristics of meteorological week 52 60
Fig. 1. Daily mean±SE, highest and lowest maximum temperature (°C) 61
Fig. 2. Number of days in a year with maximum temperature above 36°C (left) and below 25°C (right) 61
Fig. 3. Daily mean±SE, highest and lowest minimum temperature (°C) 62
Fig. 4. Number of days in a year with minimum temperature below 4°C (left) and below 25°C (right) 62
Fig. 5. Daily mean±SE, highest and lowest RH-I (%) 63
Fig. 6. Daily mean±SE, highest and lowest RH-II (%) 63
Fig. 7. Daily mean(±SE) rainfall (mm) 64
Fig. 8. Daily mean±SE, highest and lowest evaporation (mm) 64
Fig. 9. Daily mean±SE, highest and lowest wind speed (kmph) 65
Fig. 10. Daily mean±SE, highest and lowest sunshine hours (h) 65
Table 53. Weekly mean, standard error, CV and trend of maximum temperature (°C) 66
Table 54. Weekly mean, standard error, CV and trend of minimum temperature (°C) 67
Table 55. Weekly mean, standard error, CV and trend of RH-I (%) 68
Table 56. Weekly mean, standard error, CV and trend of RH-II (%) 70
Table 57. Weekly mean, standard error, CV and trend of rainfall (mm) 71
Table 58. Weekly probability (%) of rainfall (mm) 72
Table 59. Weekly mean, standard error, CV and trend of evaporation (mm) 73

Table 60. Weekly mean, standard error, CV and trend of wind speed (kmph) 75
Table 61. Weekly mean, standard error, CV and trend of sunshine hours (h) 76
Monthly and seasonal weather data and extreme events 79
Table 62. Monthly and annual means, highest and lowest values of weather variables 81
Table 63. Mean monthly and annual maximum temperature (°C) 82
Fig. 11. Temperature anomalies (solid line) and trend (regression equation) of maximum temperature (°C) 83
Table 64. Mean monthly and annual minimum temperature (°C) 84
Fig. 12. Temperature anomalies (solid line) and trend (regression equation) of minimum temperature (°C) 85
Table 65. Mean monthly and annual diurnal temperature range (°C) 86
Table 66. Mean monthly and annual RH-I (%) 87
Fig. 13. Anomalies (solid line) and trend (regression equation) of RH-I (%) 88
Table 67. Mean monthly and annual RH-II (%) 89
Fig. 14. Anomalies (solid line) and trend (regression equation) of RH-II (%) 90
Table 68. Total monthly and annual rainfall (mm) 91
Fig. 15. Anomalies (solid line) and trend (regression equation) of rainfall (mm) 92
Table 69. Seasonal distribution of rainfall (mm) 93
Fig. 16. Monsoon rainfall (mm) and its trend (regression equation) 94
Fig. 17. Annual rainfall (mm) and its trend (regression equation) 94
Table 70. Monsoon (JJAS) and annual rainfall classification 95
Fig. 18. Monsoon rainfall (mm) under different categories 96
Fig. 19. Annual rainfall (mm) under different categories 96
Table 71. Monthly and annual rainy days (rainfall >2.4mm) 97
Table 72. Annual rainy days with different amount of rainfall (mm) 98
Table 73. Mean monthly and annual evaporation (mm) 99
Fig. 20. Anomalies (solid line) and trend (regression equation) of evaporation (mm) 100
Table 74. Mean monthly and annual wind speed (kmph) 101
Fig. 21. Anomalies (solid line) and trend (regression equation) of wind speed (kmph) 102
Table 75. Mean monthly and annual sunshine hours (h) 103
Fig. 22. Anomalies (solid line) and trend (regression equation) of sunshine hours (h) 104
Table 76. Top ten extreme events of different weather variables 105
Crop weather calendars 107
Table 77. Crop weather calendar for pearl millet crop 109
Table 78. Crop weather calendar for mustard crop 110

Agrometeorological Characteristics of Jodhpur Weather (1971-2010)

Central Arid Zone Research Institute (CAZRI) has its own meteorological observatory at Jodhpur (26° 15′ 28.90″N; 72° 59′ 42.00″E; elevation 239m; climate: arid), which is recording data since 1963. It forms a part of India Meteorology Department's (IMD) national agro-meteorological network, and provides regular weather forecast and valuable agro-advisory to farmers of the area. Over the last four decades and more this observatory has generated lots of information on the near-surface weather parameters that are relevant not only for extreme weather analysis (e.g., drought, flood, cold wave, heat wave, etc.), but also for understanding of climatic conditions favourable for crop growth and the changes in climate over time.

This Data Handbook summarises the daily record on maximum temperature (°C), minimum temperature (°C), relative humidity (%), rainfall (mm), open pan evaporation (mm), wind speed (kmph) and sunshine hours (h) for the last forty years (1971-2010) to find out changes in their patterns of variability at weekly and monthly scales during the last four decades. Temperature (°C), relative humidity (RH-I) and wind speed (kmph) data is recorded at 07.38 h and 14.38 h. Open pan evaporation and rainfall data is recorded at 08.30 h and 14.30 h. Sunshine hours (h) data is recorded from day break till sunset. Missing data during the period has been filled up by taking the average values for the decade. The period June to September is considered as 'monsoon' season, when much of the rainfall in a year is expected. The period 1971-2000 has been considered as 'climatic normal', and anomalies in weather variables have been calculated as changes from it. For all other calculations, the long-term mean was taken for 1971-2010. The following classification of IMD has been used to classify a year's monsoon and annual rainfall as normal or otherwise.

Rainfall amount	Rainfall class	Symbol used
±25% of normal rainfall	Normal	N
25.1 to 50% less than normal rainfall	Below normal	BN
Less than 50.0% of normal rainfall	Severe deficit	SD
25.1 to 50% more than normal rainfall	Above normal	AN
More than 50.0% of normal rainfall	Excess	Ex

We find that there have been wide diurnal, daily, weekly, monthly, seasonal and annual variations in temperature. Sudden drop of more than 10°C in maximum and/or minimum temperature, particularly after rainfall in summer and after cold wave in winter, is not uncommon. Rise in temperature is, however, more gradual. January is the coldest month, when the mean maximum temperature is 24.9°C and the mean minimum temperature 10.6°C. Only on one occasion the minimum temperature reached sub-zero level (-0.2°C on 14th December 1986).

Temperature starts rising from mid-February (Fig. 1 & 3). Maximum temperature reaches the highest level usually during May or early June, while minimum temperature continues to rise till June. During the last four decades, the normal maximum temperature was above 40°C from

17th to 24th meteorological week (met. week), while the normal minimum temperature was above 27°C from 20th to 28th met. week (Table 53 & 54). May is the hottest month. The higher maximum temperature is recorded in May and early June (Fig. 1). Mean maximum temperature of May and June is 41.1°C and 40.0°C, respectively. During the last four decades the maximum temperature has crossed 47.0°C mark on nine days in five years, namely, 1991 (2 days), 1994 (3 days), 1995 (1 day), 1998 (1 day) and 2010 (2 days) in late May and early June, but it never reached 48.0°C during the 40-year period. This barrier was crossed on 8th June 2011, when the observatory recorded 48.3°C.

After the onset of rains, the maximum temperature declines when the normal maximum temperature comes down to about 34-35°C. Decline in minimum temperature is steady and gradual. Diurnal temperature range was found to be the lowest during the 32nd and 33rd met. weeks (8.1°C). After the withdrawal of monsoon rainfall (mid- to late-September), the maximum temperature starts rising again and reaches about 37°C in the 40th met. week. The minimum temperature continues to decline even after the cessation of rainfall. Consequently, the diurnal variation in temperature increases again from around 40th met. week. The maximum diurnal temperature range (DTR) was recorded in October (16.1°C), followed by November (16.0°C), while the minimum DTR was recorded in August (8.6°C; Table 65).

The highest variability in maximum temperature was recorded in February (range 9.6°C, CV 6.4%), followed by March (range 7.4°C, CV 5.3%). Low variability in maximum temperature was recorded in May, June and July with coefficient of variation (CV) being 3.1, 3.2 and 3.8%, respectively (Table 63). Highest variability in minimum temperature was also recorded in February (range 6.4°C, CV 11.7%). The CV of minimum temperature during November (10.2%), December (10.3%) and January (9.8%) was also very high (Table 64). The CV of minimum temperature was lowest during July (2.7%) and August (3.2%). Usually the temperatures in February and March influence the rabi crops during their grain filling stages. High temperature during this stage affects crop productivity.

Both the maximum and minimum temperatures showed increasing trend over time. However, the increase in maximum temperature was more pronounced during the rabi season (October to March), while minimum temperature showed significant increasing trend during summer (April to May) and kharif season (June to September). The most significant increase in maximum temperature was observed during February (0.66°C per decade), followed by March (0.56°C per decade). The increasing trend of maximum temperature was statistically significant in October, November, January, February and March (Fig. 11). Increasing trend of minimum temperature was highest in the month of May (0.71°C per decade), while the trend was also statistically significant for the months of March, April, June, July, August and September (Fig. 12). Number of days in a year when maximum temperature was above 36°C showed significant increasing trend, while the number of days when maximum temperature was below 25°C had significant decreasing trend (Fig. 2). Similarly, the number of days when minimum temperature was below 25°C had significant decreasing trend (Fig. 4). It indicates that warming starts early in

February-March and continues up to October-November. At the same time the winter season is becoming shorter and milder.

The increasing temperature will most likely have adverse impact on crop productivity in this region. Crop development will be faster, thus reducing the total length of crop growing season. The crops/genotypes suitable for cultivation at present may not fit well in the changed scenario of future. The only advantage of increasing temperature trend may be the reduction in the incidence of frost injury to sensitive crops like mustard, gram and vegetable crops when minimum temperature is below 4°C (Fig. 4). For example, during 1971-80 there were 10 days in six years (1972, 1973, 1974, 1977, 1978 and 1979) when minimum temperature was less than 4°C, while during 1981-1990 it happened on nine days in five years (1983, 1984, 1986, 1989 and 1990), during 1991-2000 on eight days in four years (1991, 1993, 1994 and 1997), and during 2001-2010 on only one day (2008).

The normal RH-I remained below 40% in five met. weeks (13th to 17th), while it remained above 70% from 27th to 38th met. week during the rainy season (Fig. 5; Table 55). It came down to below 50% during 44-45th week, but again increased to 59% by the end of the year. RH-II also followed an almost similar trend (Fig. 6). Maximum RH was recorded in monsoon season (June-September) both during morning (64-82%) and afternoon (33-57%) observations. Mean monthly RH-I values were 37-57%, and RH-II values 13–24% during rest of the months. Similarly, coefficient of variation was relatively less during monsoon months (6.8-10.4% for RH-I and 14.7-22.6% for RH-II) compared to winter and summer months (15.1-18.9% for RH-I and 18.2-35% for RH-II). No significant time trend was observed in RH during summer (April-May) and kharif season (June-October). However, RH-I showed significantly increasing trend during December-March (Fig. 13) and RH-II during December and January (Fig. 14). This trend may be due to increased area under irrigated crops during rabi season in this region. Moderate increase in RH may reduce potential evapotranspiration demand of atmosphere and create favourable conditions for crop growth. However, it may also result in increased incidence of pests and diseases in rabi crops. For example, cumin is very susceptible to blight disease and high humidity creates favourable conditions for this disease.

There was wide variability in monsoon (JJAS) and annual rainfall. There were 48 days when only one day's rainfall was more than the total annual rainfall (50.6 mm) of 2002. Weekly mean rainfall was less than 5.0 mm during met. week 1-21, 38 and 40-52. During 24-37th weeks, mean rainfall was more than 10.0 mm (Table 57). Only three met. weeks, viz., 29th (37.2 mm), 30th (35.4 mm) and 31st (32.5 mm) had received more than 30 mm rainfall, but even during these weeks CV of rainfall was more than 100% (133-193%). Weekly probability of getting any amount of rainfall is less than or equal to 30% during 1-21 weeks and 40-52 weeks (Table 58). During 13 weeks (24-36 weeks) probability of rainfall is 50% or more and out of these, there are only five weeks (28-32 week) with rainfall probability of 70% or more. On monthly time scale, rainfall was less than 10 mm during October-April (Table 68). More than 100 mm mean rainfall was recorded only during July (128.1 mm) and August (117.4 mm) and only during these two months the CV of monthly rainfall was less than 100% (84% and 71%, respectively). No rainfall was received in July

2002, while only 4.1 mm rainfall was received in August 1993. Lowest annual rainfall was received in 2002 (50.6 mm), while highest rainfall was recorded in 1990 (844.0 mm). CV of annual rainfall was 46%.

Most of the rainfall (86.5% of annual) was received during the monsoon season (June-September), while 8.2% rainfall was received in summer (March-May; Table 69). Monsoon rainfall ranged from 32.5 mm (2002) to 776.6 mm (1990). During 1987 and 2002 even a single rainfall event of 20-25 mm, required for sowing of kharif crops, was not received during monsoon season.

On the basis of monsoon rainfall, 19 years had 'normal' rainfall, 10 years were below normal, and three years received severe deficit rainfall (Table 70; Fig. 18). Eight years received excess rainfall. Based on the annual rainfall amount, 16 years had normal rainfall, four above-normal and six excess. Below-normal rainfall was received in 12 years, and severe deficit in two (Fig. 19).

Number of rainy days also varied like the rainfall amount. Average annual rainy days (rainfall more than 2.4 mm) were 21 during this period (Table 71). In 2002, there were only seven rainy days. The maximum number of rainy days (38) was witnessed in 1975. Mean rainy days during July and August were six and the number varied from 0 to 17 in July and 1 to 13 in August. Mean number of rainy days during monsoon (June-September) ranged from 3 to 34, with an average value of 17 days.

Out of the total rainy days (rainfall >0.0 mm), almost one third days (34.8%) received less than 2.5 mm rainfall (Table 72), while almost on one third days (31.3%) rainfall was between 2.5 and 10.0 mm. About 27.5% days received 10.1 to 40.0 mm rainfall and only 6.5% days received more than 40.0 mm rainfall. On 11 days the rainfall received was more than 100.0 mm. During monsoon season, there was significant decreasing trend in rainfall during 35th met. week only (Table 57), while on monthly basis rainfall showed a declining trend during August but it was not significant (Fig. 15).

Mean evaporation was low during January (3.8-4.8 mm). It increased almost linearly from February (5.8 mm) to May (14.2 mm) with increase in temperature (Fig. 8). From June to August there was sharp decline in evaporation. After the cessation of rainfall, evaporation usually increases in September-October due to increase in maximum temperature and finally it tapers off till the end of the year. There was significant declining trend in evaporation during winter and summer seasons, covering the period 1-25 weeks and 39-52 weeks. During remaining period (26-38th weeks) there was not much change in evaporation in general. The declining trend in evaporation was more pronounced up to the last decade of the 20th century (Fig. 20). It might be the result of declining wind speed and increase in relative humidity.

Mean wind speed remained fairly stable (4.7-6.0 kmph) up to the 13th met. week (Fig. 9; Table 60). Then it increased gradually and peaked by 25th week (12 kmph). Subsequently the wind speed declined gradually and reached the lowest level (3.2 kmph) by the 45th week. On an average, June was the windiest month (11.5 kmph), while November was the calmest month (3.5 kmph)

(Table 74). Despite this intra-annual variability, wind speed gradually declined in all the months since 1971 (Table 60; Fig. 21). The decline was very pronounced up to the mid-1990s (Fig. 21).

Average sunshine hour changes gradually with the changes in day length during summer and winter. However, during rainy season it declines sharply due to cloudiness (Fig. 10). There was significant increase in sunshine hours in April, possibly due to reduction in dust-storms and/or reduced cloud activity during the period. In the winter months of November, December and January significant decline in sunshine hours was observed (Fig. 22). Since RH has shown increasing trend during this period, the decline in sunshine hours may be due to increased incidence of fog and/or cloudiness.

Extreme weather events recorded during 1971-2010 are given in Table 76. Crop weather calendars for pearl millet (kharif) and mustard (rabi) crops have been constructed with mean weekly rainfall, maximum and minimum temperatures and sunshine hours corresponding to the important crop growth stages, which can be used as ready reckoners for weather conditions during a crop cycle (Table 77 & 78).

The increasing temperatures, RH and fog/cloudiness during winter may aggravate the incidence of pests and diseases. Sensitive high-value crops like cumin will become the worst victims of such increases. Increasing temperature during kharif season may reduce the life cycle of crops, affect the pollination of sensitive crops and exacerbate the water stress through higher evapotranspiration. However, decline in wind speed and increase in RH may somewhat reduce the evapotranspiration demand of the atmosphere, as has been noticed in the trends in wind speed and evaporation.

DAILY AND WEEKLY WEATHER DATA

Table 1. Daily and weekly weather characteristics of meteorological week 1

Weather variable	Date: January							Weekly mean
	1	2	3	4	5	6	7	
	Julian Day							
	1	2	3	4	5	6	7	
Maximum Temperature (°C)								
Mean	24.9	25.1	24.6	24.5	24.8	24.7	24.9	24.8
Highest value	30.3	30.2	29.5	29.2	29.1	29.1	30.2	28.3
Year	1993	1993	1993	1982	1987	1994	1994	2000
Lowest value	17.7	17.1	17.5	18.7	19.2	19.3	20.3	19.8
Year	1991	1991	1991	1991	1980	1981	1999	1991
Minimum Temperature (°C)								
Mean	10.0	10.3	10.2	10.5	10.6	10.7	10.6	10.4
Highest value	14.6	15.0	15.7	16.0	15.0	15.4	17.0	13.5
Year	1994	1988	2010	1987	1973	1977	1979	1988
Lowest value	1.7	3.5	2.5	5.5	6.0	6.4	6.3	7.4
Year	1991	1978	1978	1995	1992	1992	1981	1995
RH-I (%)								
Mean	60	57	58	58	59	58	55	58
Highest value	97	96	94	97	97	92	95	85
Year	2003	1994	2010	2010	2010	1982	1999	2001
Lowest value	23	24	25	26	23	22	3	28
Year	1971	1971	1971	1987	1986	1986	2010	1971
RH-II (%)								
Mean	23	24	25	24	25	24	26	24
Highest value	46	51	63	46	66	50	73	40
Year	2001	2001	2010	1981	1981	1993	1989	1981
Lowest value	10	10	10	9	8	7	5	10
Year	1987	1987	1974	1974	1974	1971	1971	1971
Rainfall (mm)								
Mean	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Highest value	0.0	0.0	1.1	0.2	0.5	1.0	3.3	3.3
Year			2010	2010	1981	1988	1989	1989
Evaporation (mm)								
Mean	4.0	3.8	3.8	3.8	3.9	3.8	4.2	3.9
Highest value	8.0	7.1	7.3	7.8	7.2	6.7	7.1	6.1
Year	1979	1973	1973	1973	1971	1976	1977	1973
Lowest value	2.0	1.8	2.2	2.3	2.3	1.8	2.2	2.7
Year	1991	2003	2001	2001	1995	1988	1994	1995
Wind speed (kmph)								
Mean	4.7	4.2	4.6	4.6	4.9	4.8	5.3	4.7
Highest value	11.1	13.4	13.0	11.1	11.8	11.0	10.4	9.6
Year	1973	1973	1973	1973	1971	1982	1987	1980
Lowest value	1.0	0.8	1.2	0.5	0.6	0.8	0.8	1.5
Year	1993	1995	1997	1974	1974	1998	1994	1997
Sunshine hours (h)								
Mean	8.9	8.8	9.0	8.8	8.9	8.8	8.5	8.8
Highest value	10.1	10.1	10.1	10.1	10.0	10.0	10.2	10.1
Year	1971	1971	1971	1971	1974	1971	1971	1971
Lowest value	5.5	4.3	4.3	4.4	5.7	5.3	2.6	7.0
Year	1994	1988	2010	1988	2008	1979	1991	1988

Table 2. Daily and weekly weather characteristics of meteorological week 2

Weather variable	Date: January							Weekly mean
	8	9	10	11	12	13	14	
	Julian Day							
	8	9	10	11	12	13	14	
Maximum Temperature (°C)								
Mean	24.5	24.5	24.2	24.3	24.6	24.8	24.4	24.5
Highest value	30.0	30.8	29.5	29.0	30.0	31.4	29.8	28.4
Year	1994	2008	1998	1998	2000	1990	1990	1998
Lowest value	16.7	18.4	18.9	18.7	19.6	20.1	19.5	20.5
Year	1989	1989	1975	1983	1982	1981	1999	1989
Minimum Temperature (°C)								
Mean	10.7	10.5	10.5	10.2	10.4	10.2	10.5	10.4
Highest value	16.5	16.0	15.5	15.4	14.8	15.4	16.4	14.5
Year	2008	1994	2005	1988	1994	1979	1979	1988
Lowest value	5.5	4.4	4.7	3.4	5.7	4.7	4.1	6.5
Year	1989	1989	1975	1989	1971	1995	2000	1989
RH-I (%)								
Mean	57	61	60	58	58	59	57	59
Highest value	89	95	99	97	93	94	98	81
Year	1995	1995	1975	1975	1994	1999	1994	1999
Lowest value	18	20	25	22	20	22	26	30
Year	2006	2006	1983	1977	1972	1983	1980	1972
RH-II (%)								
Mean	26	27	26	25	24	25	25	26
Highest value	63	80	62	86	68	57	80	51
Year	1995	1982	1982	1988	1994	1994	1994	1994
Lowest value	9	4	9	9	7	7	7	11
Year	1971	1983	1972	1977	1980	1972	1974	1972
Rainfall (mm)								
Mean	0.0	0.0	0.3	0.1	0.6	0.0	0.0	1.1
Highest value	0.5	1.0	14.0	2.2	21.4	0.0	0.0	23.6
Year	1989	1987	1982	1994	1994			1994
Evaporation (mm)								
Mean	4.2	4.0	3.9	3.9	4.0	4.0	4.2	4.0
Highest value	7.9	7.2	7.5	7.2	6.7	6.9	8.3	5.8
Year	1973	1984	1978	1977	1980	1980	1978	1986
Lowest value	1.8	0.8	2.2	0.6	1.5	1.2	1.8	2.5
Year	1989	1995	2009	1994	1982	1994	1994	1995
Wind speed (kmph)								
Mean	5.6	5.1	5.1	5.1	5.0	4.9	5.1	5.1
Highest value	12.0	11.3	10.7	11.2	11.5	11.5	11.2	9.5
Year	1990	1987	1987	1987	1988	1988	1988	1986
Lowest value	1.6	0.7	0.8	0.4	0.9	0.7	1.0	1.4
Year	1998	1998	1998	1974	1996	2002	1996	1998
Sunshine hours (h)								
Mean	9.1	8.2	8.7	8.9	8.9	8.9	8.7	8.8
Highest value	10.2	10.0	10.2	10.2	10.3	10.3	10.1	10.2
Year	1989	1972	1989	1989	1989	1989	1981	1989
Lowest value	5.4	0.7	0.0	2.2	3.8	4.0	2.4	5.1
Year	1982	1993	1994	1988	1994	1977	1998	1994

Table 3. Daily and weekly weather characteristics of meteorological week 3

Weather variable	Date: January							Weekly mean
	15	16	17	18	19	20	21	
	Julian Day							
	15	16	17	18	19	20	21	
Maximum Temperature (°C)								
Mean	24.7	24.5	24.6	24.6	24.9	25.0	24.9	24.7
Highest value	30.4	32.4	31.9	31.3	31.9	30.4	29.8	29.1
Year	2006	2006	2006	1990	1990	1999	1999	1990
Lowest value	16.7	19.0	17.4	18.3	18.9	20.2	20.9	20.2
Year	1995	1995	1995	1996	1996	2008	2008	1995
Minimum Temperature (°C)								
Mean	10.8	10.8	10.4	10.4	10.2	10.3	10.4	10.5
Highest value	16.3	16.7	16.4	14.2	16.1	15.1	16.4	14.1
Year	2009	2009	2008	2008	1990	1999	1972	2009
Lowest value	4.4	4.9	4.5	5.5	4.9	2.9	2.1	7.6
Year	1974	1996	1998	1998	1991	1978	1978	1998
RH-I (%)								
Mean	56	59	58	57	55	57	56	57
Highest value	97	92	97	98	91	100	83	79
Year	1994	1994	1987	2009	1997	1973	1986	1995
Lowest value	19	22	31	23	18	22	24	36
Year	1980	1986	1978	1978	1978	1983	1984	1978
RH-II (%)								
Mean	26	24	23	23	24	23	24	24
Highest value	56	61	49	45	77	44	49	38
Year	1995	1987	2009	1973	1973	1986	2005	2009
Lowest value	11	12	12	6	6	7	11	14
Year	1981	1984	1971	1978	1983	1978	1987	1978
Rainfall (mm)								
Mean	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.4
Highest value	1.8	5.0	2.5	0.0	0.0	0.5	0.0	5.0
Year	1995	1987	1981			1973		1987
Evaporation (mm)								
Mean	4.1	4.2	4.0	4.1	4.1	4.2	4.3	4.1
Highest value	6.8	6.5	6.5	7.2	6.2	7.3	7.7	5.8
Year	1981	1977	1978	1980	1972	1972	1973	1977
Lowest value	0.8	1.4	1.3	1.9	2.2	2.4	2.9	2.1
Year	1995	2002	1995	2009	1996	2008	1996	1995
Wind speed (kmph)								
Mean	5.1	5.2	5.0	5.0	4.5	4.9	5.0	4.9
Highest value	12.4	12.0	12.2	10.3	9.1	12.4	13.7	8.5
Year	1987	1976	1979	1980	1972	1986	1989	1980
Lowest value	0.8	0.9	0.5	0.8	0.4	1.1	1.3	1.8
Year	2007	1997	1994	1974	1974	1996	1995	2007
Sunshine hours (h)								
Mean	8.0	8.5	8.8	9.4	9.2	8.8	8.2	8.7
Highest value	10.1	10.0	10.1	10.2	10.2	10.3	10.2	9.9
Year	1974	1972	1975	1971	1975	1976	1976	1990
Lowest value	0.0	0.0	3.1	7.9	5.1	0.0	0.7	4.8
Year	1995	2009	2008	1973	2006	2007	2005	2009

Table 4. Daily and weekly weather characteristics of meteorological week 4

Weather variable	Date: January							Weekly mean
	22	23	24	25	26	27	28	
	Julian Day							
	22	23	24	25	26	27	28	
Maximum Temperature (°C)								
Mean	24.6	25.0	25.1	25.7	26.1	26.0	25.5	25.4
Highest value	31.0	31.7	30.5	31.8	32.2	33.5	34.0	31.0
Year	1990	1990	2010	1990	1992	1991	1991	1991
Lowest value	19.1	19.9	20.0	20.5	19.0	19.0	18.0	20.1
Year	1973	1973	2005	1975	2005	2008	1977	2008
Minimum Temperature (°C)								
Mean	10.4	10.8	10.8	11.1	11.2	10.9	11.3	10.9
Highest value	14.3	17.0	16.5	15.8	17.6	17.5	17.2	14.7
Year	1992	1990	2009	1994	1994	2003	1988	1994
Lowest value	3.4	4.9	5.5	5.2	5.5	4.3	0.4	7.5
Year	1973	2001	1997	2001	2001	1973	1977	1973
RH-I (%)								
Mean	60	54	51	53	54	57	56	55
Highest value	95	96	92	97	91	97	97	86
Year	1999	2004	1977	1977	2000	2000	1983	1999
Lowest value	29	23	19	31	28	30	23	33
Year	2008	1973	1989	1973	1988	1987	1988	1987
RH-II (%)								
Mean	22	21	20	22	21	23	24	22
Highest value	54	50	54	47	40	53	64	38
Year	1999	1977	1977	2005	1976	1976	1992	1999
Lowest value	10	8	5	5	7	7	4	10
Year	1973	1987	1989	1989	1984	1987	1989	1987
Rainfall (mm)								
Mean	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.4
Highest value	0.0	0.0	8.1	0.0	0.4	0.5	6.0	8.1
Year			1977		1982	1980	1999	1977
Evaporation (mm)								
Mean	4.2	4.3	4.5	4.7	4.5	4.7	4.8	4.5
Highest value	6.6	7.5	8.1	8.1	8.2	8.3	8.0	7.2
Year	1972	1972	1978	1979	1973	1986	1979	1979
Lowest value	1.8	2.7	1.5	3.0	1.4	2.1	2.6	2.7
Year	2005	1995	1977	1997	2005	1980	2003	2005
Wind speed (kmph)								
Mean	4.6	5.1	5.0	4.7	5.0	5.4	5.7	5.1
Highest value	9.8	11.7	13.3	14.3	11.0	10.9	13.0	10.5
Year	1985	1972	1975	1971	1977	1972	1986	1975
Lowest value	1.0	1.2	1.1	1.1	1.2	0.7	1.0	2.0
Year	2005	2003	2010	1997	1996	2001	1993	1998
Sunshine hours (h)								
Mean	9.2	9.2	9.0	9.1	9.1	8.8	8.8	9.0
Highest value	10.3	10.5	10.4	10.5	10.4	10.4	10.5	10.3
Year	1977	1989	1989	1989	1982	1987	1977	1989
Lowest value	4.0	5.9	0.0	0.0	5.1	2.2	0.0	6.4
Year	2008	1977	1977	2005	1971	2003	1992	2005

Table 5. Daily and weekly weather characteristics of meteorological week 5

Weather variable	Date: January-February							Weekly mean
	29	30	31	1	2	3	4	
	Julian Day							
	29	30	31	32	33	34	35	
Maximum Temperature (°C)								
Mean	25.4	25.3	25.4	25.6	25.6	25.8	26.0	25.6
Highest value	33.0	31.2	30.7	31.9	32.6	33.0	31.5	31.5
Year	1991	2007	2006	2006	2006	2006	2006	2006
Lowest value	18.4	20.2	15.3	18.2	20.9	21.7	18.3	22.1
Year	1977	1979	1976	1992	2003	2004	2008	1992
Minimum Temperature (°C)								
Mean	11.1	11.2	10.9	10.9	11.5	11.8	10.8	11.2
Highest value	17.6	17.5	18.5	15.2	17.8	18.8	15.9	14.5
Year	1992	2007	2003	2006	2006	2006	1992	2007
Lowest value	-5.0	3.3	4.7	5.8	6.8	7.5	4.2	7.7
Year	2000	1979	2008	1983	2005	2001	1974	2008
RH-I (%)								
Mean	55	54	55	56	51	51	52	54
Highest value	97	93	99	100	97	92	93	87
Year	1999	1992	1992	2003	1992	1997	2008	1992
Lowest value	21	22	28	21	12	19	23	31
Year	1989	1984	1984	1986	1974	1980	1975	1971
RH-II (%)								
Mean	21	23	23	20	19	20	20	21
Highest value	44	98	81	50	45	50	46	53
Year	1986	1992	1992	2003	1992	2008	2008	1992
Lowest value	8	6	7	6	5	3	6	11
Year	1984	1987	1996	1984	1986	1981	1974	1996
Rainfall (mm)								
Mean	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.7
Highest value	0.0	6.0	20.6	0.4	0.0	0.2	0.0	26.6
Year		1992	1992	2003		1972		1992
Evaporation (mm)								
Mean	4.8	4.7	4.5	4.5	4.7	4.8	4.8	4.7
Highest value	7.9	10.0	6.9	8.0	8.4	8.4	9.8	7.2
Year	1976	1976	1984	1973	1988	1977	1974	1973
Lowest value	1.3	2.8	0.9	0.8	2.1	1.8	1.1	2.2
Year	1992	1999	1976	1992	2003	1992	1986	1992
Wind speed (kmph)								
Mean	5.4	5.4	4.8	5.1	4.8	5.3	4.8	5.1
Highest value	11.6	15.8	11.4	11.8	11.3	10.9	12.7	10.9
Year	1986	1976	1982	1988	1973	1977	1973	1973
Lowest value	1.1	0.3	0.7	1.0	1.2	1.3	1.2	1.8
Year	1974	1974	2006	1996	2007	1998	1998	1998
Sunshine hours (h)								
Mean	8.9	8.8	8.9	9.2	9.3	9.2	9.3	9.1
Highest value	10.5	10.6	10.6	10.5	10.5	10.5	10.6	10.5
Year	1977	1989	1971	1971	1976	1971	1978	1971
Lowest value	0.3	0.0	0.0	1.3	1.9	0.4	3.6	5.1
Year	1992	1992	1976	1998	2008	1986	1979	1992

Table 6. Daily and weekly weather characteristics of meteorological week 6

Weather variable	Date: February							Weekly mean
	5	6	7	8	9	10	11	
	Julian Day							
	36	37	38	39	40	41	42	
Maximum Temperature (°C)								
Mean	26.3	26.2	27.1	26.9	26.7	26.8	26.9	26.7
Highest value	32.5	33.5	33.9	33.0	33.3	34.5	34.5	32.3
Year	2006	2006	1990	2010	1993	1991	1993	2006
Lowest value	17.8	19.4	19.2	18.0	18.4	20.0	20.7	19.6
Year	2008	1974	1974	2008	1974	2008	2008	2008
Minimum Temperature (°C)								
Mean	10.9	10.8	10.7	11.5	12.0	11.9	12.3	11.4
Highest value	18.8	15.8	18.2	19.7	18.8	19.2	17.9	15.8
Year	1989	2009	1990	2010	2007	2005	2005	2005
Lowest value	3.0	3.3	0.2	2.7	6.0	4.4	3.3	4.9
Year	1974	1974	1974	2008	1972	1997	1997	1974
RH-I (%)								
Mean	56	49	52	52	51	50	52	52
Highest value	94	91	93	96	84	98	97	85
Year	1981	2005	1992	2005	2005	1986	2007	2005
Lowest value	22	15	19	19	18	16	20	29
Year	1980	1984	1980	2002	1978	1978	1978	1984
RH-II (%)								
Mean	19	18	18	20	20	22	21	19
Highest value	43	49	42	51	46	77	52	40
Year	1975	2007	2005	1975	1986	2007	2007	2005
Lowest value	1	7	4	5	6	4	5	9
Year	1980	1985	1984	2002	1972	1997	1989	1984
Rainfall (mm)								
Mean	0.0	0.0	0.3	0.1	0.0	0.4	0.2	1.0
Highest value	0.5	0.0	12.8	4.0	0.0	13.8	5.5	19.3
Year	1975		1992	2005		2007	2007	2007
Evaporation (mm)								
Mean	4.9	4.8	5.1	5.4	5.4	5.6	5.3	5.2
Highest value	9.8	8.4	12.5	12.7	12.4	11.2	13.7	10.9
Year	1973	1972	1972	1973	1972	1972	1972	1972
Lowest value	2.4	2.6	3.2	2.6	2.6	3.0	1.8	3.1
Year	2005	2000	1982	2005	1992	1990	2000	2005
Wind speed (kmph)								
Mean	5.3	4.4	4.4	4.8	5.5	5.7	5.4	5.1
Highest value	14.6	10.7	10.7	18.8	12.0	16.8	12.7	10.9
Year	1973	1975	1979	1973	1974	1974	1978	1973
Lowest value	1.2	0.7	1.0	1.0	0.7	1.0	0.4	1.0
Year	2006	1993	1993	1995	1993	1993	1993	1993
Sunshine hours (h)								
Mean	9.4	9.3	9.3	8.8	8.9	8.8	9.1	9.1
Highest value	10.6	11.0	10.7	10.8	10.8	11.2	10.7	10.6
Year	1988	1975	1971	1981	1981	1972	1972	1977
Lowest value	5.5	2.1	2.1	0.0	1.3	1.3	2.8	5.2
Year	1989	1992	1990	2010	1990	2000	1978	2005

Table 7. Daily and weekly weather characteristics of meteorological week 7

Weather variable	Date: February							Weekly mean
	12	13	14	15	16	17	18	
	Julian Day							
	43	44	45	46	47	48	49	
Maximum Temperature (°C)								
Mean	27.3	27.6	28.2	27.9	27.5	27.5	28.0	27.7
Highest value	35.8	35.9	36.0	35.3	35.5	34.5	33.7	34.9
Year	1993	1993	1993	1993	1993	1993	2006	1993
Lowest value	22.5	20.4	19.8	22.0	17.8	20.0	20.2	22.2
Year	2000	1972	1972	2000	1979	1979	1976	1972
Minimum Temperature (°C)								
Mean	12.2	12.8	11.7	12.6	12.7	12.8	13.1	12.6
Highest value	19.2	18.2	18.0	19.0	18.7	19.6	19.2	17.4
Year	1990	1973	1999	1999	1999	2006	1977	1999
Lowest value	4.5	2.9	3.9	7.0	7.1	6.9	5.5	7.6
Year	2002	1972	1972	2000	2000	1989	1978	1972
RH-I (%)								
Mean	54	53	57	55	57	53	54	55
Highest value	92	88	92	96	99	97	99	75
Year	1991	1995	1995	1983	1976	1979	1976	1979
Lowest value	15	12	18	19	29	21	19	26
Year	1989	1985	2008	1972	1973	1973	1985	1985
RH-II (%)								
Mean	21	19	20	22	22	22	20	21
Highest value	66	55	43	85	78	66	63	42
Year	1990	1990	1989	1979	1976	1978	2003	1979
Lowest value	6	5	4	6	4	4	3	6
Year	1972	1985	1985	2008	1985	1985	1993	1985
Rainfall (mm)								
Mean	0.0	0.1	0.0	0.3	0.2	0.6	0.6	1.8
Highest value	1.3	1.6	0.0	12.4	5.4	14.2	20.0	20.0
Year	1990	1978		1979	1976	1999	2003	2003
Evaporation (mm)								
Mean	5.4	5.3	5.4	5.7	5.7	5.8	6.0	5.6
Highest value	12.1	12.8	10.6	11.7	17.2	16.6	18.1	14.2
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	2.2	0.8	2.0	3.8	1.7	1.0	3.1	3.8
Year	2007	1990	1990	2007	1979	1979	1979	2007
Wind speed (kmph)								
Mean	4.9	4.9	5.0	5.3	5.8	5.2	5.7	5.2
Highest value	14.8	16.1	13.8	10.1	13.0	13.8	14.7	11.0
Year	1972	1975	1975	1973	1975	1972	1990	1972
Lowest value	0.6	0.6	1.0	1.4	1.6	1.4	1.3	2.5
Year	1993	1993	1993	1994	2004	1997	2002	2008
Sunshine hours (h)								
Mean	8.7	9.1	9.5	9.1	9.0	9.1	9.5	9.1
Highest value	10.8	10.6	10.6	10.8	10.7	10.7	10.8	10.6
Year	1991	1977	1977	1990	1971	1971	1971	1985
Lowest value	0.1	1.8	5.0	0.2	0.0	0.0	1.7	6.3
Year	1990	1983	1998	1979	2003	2003	1990	1978

Table 8. Daily and weekly weather characteristics of meteorological week 8

Weather variable	Date: February							Weekly mean
	19	20	21	22	23	24	25	
	Julian Day							
	50	51	52	53	54	55	56	
Maximum Temperature (°C)								
Mean	28.2	27.9	28.8	29.0	29.7	29.9	29.6	29.0
Highest value	34.5	36.0	35.2	37.0	36.5	36.2	37.5	36.1
Year	2006	2006	2006	2006	2006	2006	2006	2006
Lowest value	18.4	19.2	18.8	19.5	20.2	22.3	22.3	22.0
Year	1990	2005	1984	1984	1984	1984	1984	1984
Minimum Temperature (°C)								
Mean	13.4	13.3	13.8	13.3	14.0	14.8	14.8	13.9
Highest value	18.7	19.2	19.8	18.7	19.0	20.4	19.4	17.6
Year	2001	1973	1977	1999	1978	2006	2003	1977
Lowest value	5.4	3.7	1.0	4.8	7.1	4.5	9.0	7.0
Year	1989	1984	1984	1994	1995	1984	1984	1984
RH-I (%)								
Mean	53	50	47	48	53	50	50	50
Highest value	95	88	78	94	90	95	95	85
Year	1979	1979	2001	1995	2010	1990	1990	1990
Lowest value	14	22	19	19	20	12	16	28
Year	1993	1981	1981	1981	1989	1972	1984	1981
RH-II (%)								
Mean	20	17	17	17	19	21	19	19
Highest value	58	39	43	45	54	60	52	39
Year	1979	1976	1995	1977	1998	1990	1993	1990
Lowest value	5	1	0	4	1	3	2	6
Year	1981	1985	1984	1989	1985	1984	1984	1989
Rainfall (mm)								
Mean	0.2	0.0	0.0	0.1	0.1	0.3	0.2	0.9
Highest value	6.0	0.0	0.0	3.2	4.7	9.0	3.8	17.5
Year	1979			1977	1990	1990	1990	1990
Evaporation (mm)								
Mean	6.3	6.2	6.7	6.1	6.4	6.7	6.9	6.5
Highest value	15.7	13.2	12.5	13.2	16.8	13.8	16.0	14.5
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	1.8	3.4	4.4	2.9	4.0	1.5	3.0	4.2
Year	1990	1979	2006	1995	2005	1998	1990	1990
Wind speed (kmph)								
Mean	5.8	5.7	5.6	5.0	5.2	5.7	6.1	5.6
Highest value	12.7	13.5	12.5	15.4	13.1	11.4	12.6	10.6
Year	1975	1975	1986	1982	1977	1972	1973	1975
Lowest value	1.5	1.1	1.4	1.3	1.0	1.8	1.2	1.9
Year	2006	1996	2002	1998	2006	2003	2004	2006
Sunshine hours (h)								
Mean	9.3	9.3	9.5	9.3	8.9	8.7	9.3	9.2
Highest value	10.7	10.7	10.7	10.9	10.9	11.0	11.0	10.6
Year	1990	1975	1972	1976	1976	1986	1986	1972
Lowest value	5.2	4.5	1.7	0.5	0.0	2.2	2.1	6.5
Year	1984	1988	1986	1995	1998	1982	1982	1982

Table 9. Daily and weekly weather characteristics of meteorological week 9

Weather variable	Date: February-March								Weekly mean
	26	27	28	29	1	2	3	4	
	Julian Day								
	57	58	59	60	61	62	63	64	
Maximum Temperature (°C)									
Mean	29.7	30.2	30.2	30.6	30.7	30.8	31.2	31.8	30.6
Highest value	36.8	35.2	36.0	35.0	36.2	37.5	38.8	37.5	35.8
Year	2006	2004	2010	2008	1997	2009	2009	2009	2009
Lowest value	23.4	22.8	22.4	25.1	24.3	21.4	23.9	22.7	24.9
Year	1998	1972	1982	1976	1990	1995	1982	2003	1982
Minimum Temperature (°C)									
Mean	14.7	14.5	15.3	14.9	15.5	15.6	15.7	16.6	15.4
Highest value	21.0	20.2	21.2	19.4	20.2	21.6	20.0	21.0	19.0
Year	1978	2006	2003	1988	2005	2010	2010	2009	2005
Lowest value	8.9	8.4.	10.0	9.2	10.0	6.7	10.2	8.0	11.9
Year	2000	1991	1991	1972	1998	1982	1990	2003	1972
RH-I (%)									
Mean	50	50	49	43	48	43	42	44	47
Highest value	98	89	96	63	93	85	75	81	72
Year	1993	1982	1990	1992	1982	1983	2002	1979	2007
Lowest value	12	15	17	18	17	13	6	18	22
Year	1984	1984	1972	1972	1989	1989	2003	1986	1972
RH-II (%)									
Mean	18	20	19	15	18	16	15	16	17
Highest value	45	54	53	24	48	30	32	44	32
Year	1993	1982	1990	1976	1982	1983	1980	2000	2007
Lowest value	1	3	5	7	3	4	1	5	7
Year	1985	1985	1971	2008	1971	1989	2003	1971	1984
Rainfall (mm)									
Mean	0.0	0.2	0.4	0.1	0.7	0.1	0.0	0.0	1.5
Highest value	0.7	4.5	15.3	1.0	28.2	3.8	0.0	0.3	28.2
Year	1993	1978	1990	1980	2007	1982		2005	2007
Evaporation (mm)									
Mean	6.9	6.5	7.1	7.7	7.3	7.6	7.0	7.5	7.1
Highest value	17.2	18.3	14.8	16.2	17.2	17.0	19.1	16.9	17.1
Year	1972	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	2.9	3.3	1.9	5.9	3.3	3.1	4.2	3.9	4.4
Year	1995	1985	1982	2004	1998	1995	1982	2007	1982
Wind speed (kmph)									
Mean	5.7	5.1	5.8	5.4	5.9	5.7	5.0	5.5	5.5
Highest value	20.3	11.4	14.1	11.4	15.7	13.3	13.9	10.9	10.7
Year	1973	1971	1988	1976	1977	1983	1979	1971	1973
Lowest value	1.3	1.0	1.5	1.2	1.3	1.3	1.2	1.4	2
Year	1992	1992	1997	2008	1998	1998	1994	2008	1998
Sunshine hours (h)									
Mean	9.1	9.1	9.2	9.8	9.7	9.3	8.8	9.2	9.2
Highest value	11.0	11.0	11.0	10.8	11.0	10.9	10.9	11.1	10.6
Year	1986	1986	1987	1972	1972	2004	2004	1977	1984
Lowest value	0.1	0.3	0.2	7.2	5.6	0.6	1.4	0.0	3.4
Year	1982	1982	1982	1988	1982	1995	2003	1982	1982

Table 10. Daily and weekly weather characteristics of meteorological week 10

Weather variable	Date: March							Weekly mean
	5	6	7	8	9	10	11	
	Julian Day							
	65	66	67	68	69	70	71	
Maximum Temperature (°C)								
Mean	31.7	31.8	31.6	31.8	32.4	32.8	32.9	32.1
Highest value	37.3	37.4	37.4	36.8	38.2	38.1	38.5	36.9
Year	1985	1985	1985	2004	2004	1986	2004	2004
Lowest value	23.4	24.7	23.8	22.2	20.6	22.1	24.5	25.4
Year	2003	1982	1982	1979	1979	1979	2006	1982
Minimum Temperature (°C)								
Mean	15.9	15.4	15.2	16.3	16.3	17.2	17.6	16.3
Highest value	21.3	20.1	20.3	22.7	22.0	22.5	23.4	19.8
Year	1980	1981	2005	1988	1986	2008	1996	1988
Lowest value	9.0	9.7	6.6	6.8	4.3	10.4	10.8	10.2
Year	2000	2003	1979	1979	1979	1979	1975	1979
RH-I (%)								
Mean	45	45	43	42	44	42	43	44
Highest value	95	85	76	71	71	82	93	68
Year	1998	1995	1988	2005	1998	2006	2006	2005
Lowest value	19	19	19	18	19	18	2	30
Year	1987	1983	1983	1989	1978	1984	1973	1985
RH-II (%)								
Mean	15	14	13	15	16	15	15	15
Highest value	42	34	40	49	63	46	41	27
Year	1980	2010	1988	1977	2006	2006	2000	2006
Lowest value	3	2	3	5	2	4	3	5
Year	1984	1980	1981	1979	1984	1980	1973	1984
Rainfall (mm)								
Mean	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Highest value	7.5	0.0	0.0	0.0	0.0	0.6	0.2	7.5
Year	1998					2006	1975	1998
Evaporation (mm)								
Mean	7.3	7.8	7.8	7.9	7.9	8.1	8.7	7.9
Highest value	18.7	17.2	14.8	17.6	19.8	21.0	21.8	18.7
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	3.2	4.2	4.1	4.4	4.1	1.9	2.7	5.2
Year	1998	1995	1995	2005	2005	2006	2006	2006
Wind speed (kmph)								
Mean	5.5	5.3	5.5	5.7	5.6	5.6	6.3	5.7
Highest value	15.9	16.6	14.4	13.4	15.3	18.8	17.9	12.2
Year	1972	1980	1979	1975	1976	1973	1973	1973
Lowest value	1.4	1.5	1.5	1.0	1.2	1.5	1.5	1.8
Year	2004	1996	1998	2001	2001	2000	1994	2001
Sunshine hours (h)								
Mean	9.4	9.1	9.5	9.5	9.2	9.4	8.7	9.3
Highest value	11.0	10.9	11.2	11.3	11.0	11.0	10.8	10.5
Year	1977	1989	1977	1977	1990	1999	1999	1990
Lowest value	2.9	4.7	0.2	6.2	0.2	4.6	0.9	6.7
Year	1995	1994	1981	1979	2006	2006	2008	2006

Table 11. Daily and weekly weather characteristics of meteorological week 11

Weather variable	Date: March							Weekly mean
	12	13	14	15	16	17	18	
	Julian Day							
	72	73	74	75	76	77	78	
Maximum Temperature (°C)								
Mean	32.4	32.5	33.0	33.5	33.9	34.5	34.7	33.5
Highest value	39.0	39.4	39.3	39.5	41.0	42.3	41.0	39.9
Year	1996	2004	1977	2004	2004	2004	2004	2004
Lowest value	24.0	25.6	26.4	26.5	22.1	27.8	29.4	28.3
Year	1973	1973	1975	1981	1981	1981	1978	1981
Minimum Temperature (°C)								
Mean	16.4	17.4	17.9	17.9	18.1	18.5	18.8	17.9
Highest value	22.6	23.0	23.0	22.9	24.2	23.5	24.5	21.1
Year	1988	1985	2010	1994	1977	1994	1983	1994
Lowest value	9.0	12.2	13.0	12.3	11.3	12.8	13.5	14.0
Year	1973	1998	1973	1971	1975	1992	1978	1973
RH-I (%)								
Mean	44	43	39	42	41	41	39	41
Highest value	82	82	82	90	77	82	82	66
Year	2007	2007	1993	1981	1981	1998	1998	1998
Lowest value	15	17	11	12	14	17	11	21
Year	1975	1972	1985	1985	1975	1975	1985	1985
RH-II (%)								
Mean	18	15	14	15	15	15	13	15
Highest value	53	35	37	69	37	36	36	33
Year	2008	2007	1993	1981	1981	1998	1997	1981
Lowest value	4	1	3	3	4	4	4	6
Year	1977	1978	2009	1972	1971	1985	1978	1971
Rainfall (mm)								
Mean	0.0	0.2	0.0	0.1	0.0	0.2	0.0	0.5
Highest value	0.5	7.2	0.0	2.5	0.0	6.5	0.0	9.7
Year	2007	1981		1981		1998		1981
Evaporation (mm)								
Mean	8.7	7.8	8.5	8.3	8.6	9.0	8.9	8.5
Highest value	24.2	18.2	22.7	18.9	14.2	21.6	19.2	19.9
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	4.0	2.0	4.5	3.3	2.2	5.4	4.3	5.5
Year	2006	2008	1982	1981	1981	1992	1998	1981
Wind speed (kmph)								
Mean	6.4	5.5	5.7	5.6	5.4	6.2	5.7	5.8
Highest value	16.8	12.9	13.5	13.7	13.1	16.2	12.6	9.5
Year	1988	1972	1973	1986	1976	1979	1979	1979
Lowest value	1.1	1.6	1.8	1.9	1.5	1.9	1.3	2.5
Year	1996	2002	2008	2005	2004	2008	2002	2004
Sunshine hours (h)								
Mean	8.7	9.0	9.4	9.3	8.9	9.3	9.4	9.2
Highest value	11.0	11.0	11.1	11.1	11.0	11.0	11.0	11.0
Year	1982	1982	1998	1999	1999	1990	1990	1999
Lowest value	0.5	3.3	5.2	0.7	0.8	1.6	0.7	4.7
Year	2008	1981	1997	1981	1981	1986	1997	1981

Table 12. Daily and weekly weather characteristics of meteorological week 12

Weather variable	Date: March							Weekly mean
	12	13	14	15	16	17	18	
	Julian Day							
	79	80	81	82	83	84	85	
Maximum Temperature (°C)								
Mean	34.7	34.7	34.7	34.8	34.8	34.8	35.0	34.8
Highest value	41.2	41.2	41.5	42.0	41.5	39.8	39.9	40.3
Year	2004	2004	2004	2004	2004	1984	1972	2004
Lowest value	29.1	27.4	25.4	27.9	30.2	28.7	28.5	30.0
Year	1978	1997	1983	1983	1983	1990	1975	1997
Minimum Temperature (°C)								
Mean	18.7	18.4	19.3	19.2	18.9	19.2	19.3	19.0
Highest value	25.0	24.2	25.9	24.4	25.2	24.5	24.0	22.4
Year	2010	1989	2002	1993	2008	2008	2003	2008
Lowest value	12.2	12.4	9.8	13.2	10.6	12.3	13.0	15.6
Year	1993	1988	1983	1999	1990	1990	1993	1999
RH-I (%)								
Mean	39	39	40	43	40	39	42	40
Highest value	79	80	89	94	85	68	75	66
Year	1991	1997	1991	1991	1975	1982	1992	1991
Lowest value	11	17	13	18	13	19	18	25
Year	1984	1985	1985	1983	1983	1988	1990	1972
RH-II (%)								
Mean	15	16	16	15	14	15	15	15
Highest value	54	48	41	36	26	40	35	27
Year	1997	1997	1991	1993	1981	1991	1983	1997
Lowest value	2	4	2	4	3	5	2	7
Year	1984	1988	1988	1989	1990	1990	1993	1978
Rainfall (mm)								
Mean	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2
Highest value	0.0	4.6	0.0	0.0	1.5	0.0	0.0	4.6
Year		1987			1975			1987
Evaporation (mm)								
Mean	8.8	9.3	9.2	9.4	9.5	9.4	9.6	9.3
Highest value	16.7	23.6	25.2	18.2	18.6	17.7	15.9	19.4
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	4.9	3.7	4.2	5.8	5.9	5.1	4.3	5.5
Year	1997	1997	1997	1986	2003	1992	1992	1997
Wind speed (kmph)								
Mean	5.4	5.9	5.9	6.4	6.0	6.2	6.0	6.0
Highest value	11.7	13.7	12.4	17.6	15.4	14.9	12.5	9.9
Year	1983	1983	1972	1990	1975	1993	1975	1975
Lowest value	1.7	1.1	1.2	1.7	1.6	1.4	1.0	3.0
Year	1994	1998	1998	2003	1995	1981	1981	1995
Sunshine hours (h)								
Mean	9.2	9.0	9.3	9.3	9.2	9.4	9.5	9.3
Highest value	11.0	10.9	11.3	11.1	11.1	11.2	11.2	10.8
Year	1999	1988	1999	1994	1999	1998	1990	1999
Lowest value	1.3	2.9	2.3	2.9	0.2	2.2	5.0	4.6
Year	1997	1976	1986	1992	1992	1992	1992	1992

Table 13. Daily and weekly weather characteristics of meteorological week 13

Weather variable	Date: March-April							Weekly mean
	26	27	28	29	30	31	1	
	Julian Day							
	86	87	88	89	90	91	92	
Maximum Temperature (°C)								
Mean	35.0	34.9	35.7	36.5	36.2	36.3	36.5	35.9
Highest value	40.3	39.4	40.4	40.8	42.3	41.6	41.1	39.5
Year	1972	1973	1996	1999	1984	1984	1984	1977
Lowest value	27.3	23.9	28.0	28.8	28.6	30.6	30.8	29.9
Year	1975	1992	1989	1983	1983	1983	1976	1983
Minimum Temperature (°C)								
Mean	19.5	19.8	20.3	20.2	20.3	20.4	21.2	20.2
Highest value	25.0	23.6	25.7	25.7	25.9	28.8	26.4	23.4
Year	2010	1996	2008	1991	2008	1991	1982	1991
Lowest value	10.3	11.3	15.5	13.9	14.0	16.0	16.2	15.7
Year	1993	1993	1983	1997	1993	1978	1986	1993
RH-I (%)								
Mean	39	38	37	40	39	35	37	38
Highest value	76	88	75	78	81	65	71	53
Year	1987	1992	2009	1995	1979	2003	1997	1992
Lowest value	21	14	16	15	14	13	15	21
Year	1978	1988	1975	1975	1996	1988	1988	1988
RH-II (%)								
Mean	15	15	13	14	13	12	13	14
Highest value	68	40	35	33	30	25	30	25
Year	1992	1989	1997	1995	2003	1976	1997	1992
Lowest value	4	4	5	4	5	4	3	7
Year	1993	1993	1971	1975	1999	1988	1988	1975
Rainfall (mm)								
Mean	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.4
Highest value	0.7	3.7	2.8	0.0	0.0	2.7	0.0	5.1
Year	1995	1992	2009			2003		1989
Evaporation (mm)								
Mean	9.4	9.2	9.3	10.1	9.8	10.2	10.9	9.8
Highest value	19.8	23.8	19.9	22.2	18.7	24.8	22.9	21.7
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	3.9	1.2	4.9	4.4	6.4	5.0	5.1	6.5
Year	1992	1992	1989	1997	1997	2003	1997	1997
Wind speed (kmph)								
Mean	5.9	5.3	5.2	6.3	6.0	5.9	6.2	5.8
Highest value	15.5	13.3	12.9	13.4	14.4	13.8	13.8	8.8
Year	1988	1988	1971	1996	1981	1981	1973	1972
Lowest value	1.9	1.8	0.9	1.7	1.4	1.5	1.7	2.2
Year	1981	2008	1981	2007	2004	2004	1998	2004
Sunshine hours (h)								
Mean	9.1	9.7	9.7	10.0	9.4	9.5	9.5	9.5
Highest value	11.3	11.1	11.2	11.1	11.5	11.5	11.3	11.2
Year	1993	1999	1993	1993	1999	1999	1999	1999
Lowest value	0.3	5.1	2.5	7.4	4.4	3.1	5.7	7.1
Year	1992	2009	1997	1992	1991	1997	2004	1997

Table 14. Daily and weekly weather characteristics of meteorological week 14

Weather variable	Date: April							Weekly mean
	2	3	4	5	6	7	8	
	Julian Day							
	93	94	95	96	97	98	99	
Maximum Temperature (°C)								
Mean	37.0	36.8	36.9	36.8	37.2	37.8	37.7	37.1
Highest value	42.5	42.0	42.1	41.0	41.8	44.5	43.5	41.8
Year	1998	1998	1998	2002	1998	1998	1999	1998
Lowest value	31.9	28.9	30.9	25.7	30.4	31.5	29.9	32.7
Year	1990	1985	1997	2008	2008	1994	1994	2008
Minimum Temperature (°C)								
Mean	21.2	20.4	20.6	21.2	21.7	21.8	21.7	21.2
Highest value	27.3	24.8	25.2	26.3	28.5	26.9	26.5	25.0
Year	1998	2010	1980	1998	2010	2007	1999	1998
Lowest value	14.9	14.9	14.2	15.7	16.6	16.8	16.0	17.8
Year	1996	1989	1997	2008	1979	1975	1975	1997
RH-I (%)								
Mean	36	37	37	35	37	34	37	36
Highest value	74	88	75	81	87	86	90	64
Year	1978	1978	1982	2008	2008	1983	1991	2008
Lowest value	11	18	3	8	11	10	8	20
Year	2002	1982	1981	1980	1981	1989	1988	1989
RH-II (%)								
Mean	13	14	15	13	12	12	15	13
Highest value	33	39	91	53	30	35	56	37
Year	1985	1978	2008	2008	1972	1972	1991	2008
Lowest value	2	4	3	2	3	3	2	5
Year	1996	2001	1989	1988	1984	1996	1988	2005
Rainfall (mm)								
Mean	0.1	0.7	0.3	0.4	0.2	0.0	0.9	2.7
Highest value	5.1	21.2	9.3	7.1	5.6	0.5	27.4	27.4
Year	1978	1985	2008	1976	1994	1983	1993	1993
Evaporation (mm)								
Mean	11.1	10.9	10.3	10.6	10.9	11.2	11.7	11.0
Highest value	21.3	21.5	16.0	21.4	18.9	20.1	20.6	19.8
Year	1972	1972	1977	1972	1972	1972	1972	1972
Lowest value	7.2	7.0	4.7	3.4	6.6	7.5	7.2	7.7
Year	1993	1997	1978	2008	2008	1983	1991	2008
Wind speed (kmph)								
Mean	6.7	6.6	6.3	6.5	6.3	6.4	6.8	6.5
Highest value	15.0	13.9	16.6	16.4	13.6	11.0	15.9	11.2
Year	1973	1981	1982	1977	1977	1976	1974	1977
Lowest value	1.5	2.0	1.9	1.5	1.8	2.0	2.1	3.2
Year	1996	2001	1996	1995	2007	2001	2010	2001
Sunshine hours (h)								
Mean	9.5	9.8	9.7	9.3	9.5	9.7	9.8	9.6
Highest value	11.1	11.4	11.5	11.5	11.2	11.3	11.4	11.0
Year	1989	1990	1990	1989	1989	1987	1994	2000
Lowest value	3.0	3.8	2.6	5.0	6.0	5.1	6.2	7.0
Year	1985	1983	2008	2009	1983	1983	2002	1983

Table 15. Daily and weekly weather characteristics of meteorological week 15

Weather variable	Date: April							Weekly mean
	9	10	11	12	13	14	15	
	Julian Day							
	100	101	102	103	104	105	106	
Maximum Temperature (°C)								
Mean	37.3	37.3	37.9	38.6	38.7	38.9	38.3	38.1
Highest value	43.0	44.0	43.0	43.8	43.5	44.5	44.0	42.0
Year	1999	1999	1999	1981	2000	1981	2010	1981
Lowest value	31.0	32.0	32.0	33.5	30.6	32.0	23.9	31.9
Year	1991	2005	2005	2005	1983	1983	1983	1983
Minimum Temperature (°C)								
Mean	21.7	21.7	22.1	22.7	22.8	22.9	22.7	22.4
Highest value	28.4	26.8	26.4	29.0	27.5	26.4	28.8	26.5
Year	2010	2008	2000	1973	2010	1988	2010	2010
Lowest value	14.2	15.8	16.5	15.6	18.4	18.0	16.5	19.2
Year	1996	1996	2005	1997	1995	2005	1999	2005
RH-I (%)								
Mean	39	32	32	35	34	35	37	35
Highest value	79	74	53	96	75	89	82	75
Year	2007	1983	1980	1983	2008	1983	1983	1983
Lowest value	11	6	8	15	11	9	8	16
Year	1982	1982	1979	1975	1981	1989	1975	1975
RH-II (%)								
Mean	14	11	11	13	14	14	13	13
Highest value	43	23	29	58	50	78	36	41
Year	1991	1986	1997	1983	1983	1983	1983	1983
Lowest value	3	1	4	1	4	3	1	5
Year	1982	1979	1981	1989	1984	1975	1999	1982
Rainfall (mm)								
Mean	0.3	0.0	0.0	0.2	0.1	0.7	0.0	1.4
Highest value	7.2	0.5	0.0	5.6	2.5	23.4	0.0	29.0
Year	2007	1991		1983	2001	1983		1983
Evaporation (mm)								
Mean	11.1	11.0	11.1	11.6	11.6	12.4	11.8	11.5
Highest value	24.1	18.4	20.8	18.7	22.4	23.7	27.0	22.2
Year	1972	1972	1972	1972	1972	1972	1972	1972
Lowest value	5.2	6.0	6.2	7.2	5.8	7.3	2.4	7.1
Year	1991	1991	1993	1993	1983	2001	1983	1993
Wind speed (kmph)								
Mean	6.6	6.2	5.5	6.1	6.2	7.0	6.6	6.3
Highest value	15.3	16.7	10.2	11.6	14.1	17.9	13.0	10.4
Year	1987	1985	1978	1983	1985	1973	1981	1976
Lowest value	2.3	1.3	1.8	1.7	1.9	2.0	1.6	2.5
Year	2003	1996	1993	1996	2009	2005	1993	1996
Sunshine hours (h)								
Mean	9.4	9.9	10.0	10.0	10.3	9.8	10.4	10.0
Highest value	11.3	11.4	11.6	11.4	11.6	11.8	12.1	11.3
Year	1994	1989	1989	1989	1995	1999	1999	1999
Lowest value	5.0	2.8	5.5	5.7	5.9	0.1	8.0	7.5
Year	1985	1978	2001	2003	1983	1983	1994	1983

Table 16. Daily and weekly weather characteristics of meteorological week 16

Weather variable	Date: April							Weekly mean
	16	17	18	19	20	21	22	
	Julian Day							
	107	108	109	110	111	112	113	
Maximum Temperature (°C)								
Mean	38.6	39.1	39.0	39.4	39.4	39.4	39.4	39.2
Highest value	44.7	43.8	44.0	43.5	43.4	43.2	43.2	42.6
Year	2010	2010	2010	2007	2009	2005	1980	2010
Lowest value	28.7	29.2	30.4	30.5	30.5	33.0	31.5	31.3
Year	1983	1983	1983	1983	1983	1983	1992	1983
Minimum Temperature (°C)								
Mean	23.3	23.6	23.1	23.7	23.6	24.0	24.3	23.7
Highest value	30.0	29.6	28.9	29.4	27.9	29.7	28.3	27.5
Year	1974	2007	2010	2007	2009	2005	2008	2010
Lowest value	16.0	15.2	18.0	16.1	17.7	16.9	19.5	19.2
Year	1999	1997	1994	1991	1991	1979	1992	1983
RH-I (%)								
Mean	36	33	35	39	40	40	39	37
Highest value	83	63	69	71	77	73	85	54
Year	1983	1982	1972	2001	1994	1998	1974	2001
Lowest value	7	9	13	15	7	17	9	18
Year	1975	1975	1987	1973	1979	1989	2009	1989
RH-II (%)								
Mean	13	12	12	15	13	14	14	13
Highest value	37	27	32	40	24	32	34	24
Year	1972	1995	1995	2003	1992	1974	1991	1995
Lowest value	4	3	1	1	3	4	1	4
Year	1989	1987	1971	1989	1979	1989	1979	1989
Rainfall (mm)								
Mean	0.0	0.2	0.0	0.1	0.6	0.0	0.0	0.9
Highest value	1.8	6.0	1.8	1.4	20.4	0.0	0.0	20.4
Year	1983	2006	1972	1996	1994			1994
Evaporation (mm)								
Mean	11.8	12.3	12.1	12.4	12.6	12.8	12.3	12.3
Highest value	22.9	18.7	20.2	20.0	21.1	24.2	20.9	20.7
Year	1972	1978	1972	2010	1972	1972	1972	1972
Lowest value	4.7	8.2	5.6	8.0	8.7	7.8	8.1	8.4
Year	1983	1997	2006	2006	2001	1983	1996	1983
Wind speed (kmph)								
Mean	6.3	7.0	6.6	7.2	6.9	7.4	6.8	6.9
Highest value	13.8	15.6	16.9	14.5	14.0	18.4	18.5	13.4
Year	1972	1972	1978	1974	2010	1981	1974	1974
Lowest value	1.5	1.7	1.7	1.9	2.2	2.4	2.0	2.5
Year	1996	1998	1997	2008	1991	1993	1997	1997
Sunshine hours (h)								
Mean	10.2	10.2	9.9	10.1	10.2	9.2	10.1	10.0
Highest value	11.9	11.9	11.9	11.9	11.9	12.1	12.2	11.7
Year	1999	1999	1991	1973	1973	1973	1973	1999
Lowest value	4.2	2.5	4.5	3.3	6.8	0.6	2.4	6.8
Year	1974	1974	1974	1974	1981	1975	2005	1974

Table 17. Daily and weekly weather characteristics of meteorological week 17

Weather variable	Date: April							Weekly mean
	23	24	25	26	27	28	29	
	Julian Day							
	114	115	116	117	118	119	120	
Maximum Temperature (°C)								
Mean	39.8	39.9	40.4	40.8	41.2	41.2	40.9	40.6
Highest value	42.2	43.2	45.0	46.0	45.2	44.3	45.0	43.3
Year	2002	1973	1999	1983	1979	1979	2009	1999
Lowest value	33.2	34.2	35.7	33.7	31.8	34.7	33.1	34.8
Year	1984	1978	1982	1982	1982	1982	1982	1982
Minimum Temperature (°C)								
Mean	24.5	24.6	24.4	25.1	25.3	25.5	25.8	25.0
Highest value	28.7	28.0	28.4	29.2	28.8	29.8	30.1	27.3
Year	1997	1998	2010	2003	2003	1988	2010	2010
Lowest value	19.1	20.9	19.1	16.9	20.9	16.0	20.4	20.8
Year	2009	1992	1987	1982	2009	1982	2005	1982
RH-I (%)								
Mean	38	38	38	39	40	40	38	39
Highest value	67	72	82	88	70	83	98	75
Year	1976	1982	1982	1982	1974	1982	2005	1982
Lowest value	11	10	9	14	14	11	13	18
Year	1979	1981	1981	2009	2002	1973	2002	2009
RH-II (%)								
Mean	13	11	13	14	13	14	13	13
Highest value	31	30	37	51	46	35	39	34
Year	2000	2000	1982	1982	1982	1982	2005	1982
Lowest value	2	1	2	4	3	3	4	6
Year	1981	1979	1981	1987	1979	1973	1984	2009
Rainfall (mm)								
Mean	0.2	0.2	0.0	2.9	0.8	0.3	0.2	4.6
Highest value	3.4	7.6	0.0	114.8	33.4	11.7	5.3	126.5
Year	1996	2007		1982	1998	1982	2005	1982
Evaporation (mm)								
Mean	12.5	13.1	13.0	13.1	13.6	14.1	13.4	13.3
Highest value	17.6	22.2	23.4	24.6	26.9	28.7	23.0	23.6
Year	1972	1972	1972	1972	1972	1972	1979	1972
Lowest value	8.2	8.7	8.9	0.0	8.2	6.0	6.4	8.8
Year	2005	2000	1978	1982	1982	1998	1982	1982
Wind speed (kmph)								
Mean	7.2	7.3	7.3	7.3	7.8	8.1	7.9	7.6
Highest value	12.0	15.9	19.3	14.6	17.4	17.7	18.3	13.8
Year	1974	1978	1986	1977	1972	1972	1977	1972
Lowest value	2.6	2.4	1.5	1.6	1.7	1.8	2.1	3.0
Year	2003	1996	2008	2008	1991	2010	1994	2008
Sunshine hours (h)								
Mean	10.2	10.2	10.0	10.2	10.2	10.0	10.4	10.2
Highest value	12.1	11.9	11.8	11.9	12.0	11.8	12.0	11.7
Year	1993	1993	1996	1987	1974	1999	1971	1993
Lowest value	2.8	6.6	1.1	6.9	5.6	3.6	4.0	7.9
Year	1972	1986	1983	1998	1981	1981	1979	1979

Table 18. Daily and weekly weather characteristics of meteorological week 18

Weather variable	Date: April-May							Weekly mean
	30	1	2	3	4	5	6	
	Julian Day							
	121	122	123	124	125	126	127	
Maximum Temperature (°C)								
Mean	40.8	40.9	40.4	40.4	40.5	40.9	41.0	40.7
Highest value	44.7	45.7	44.5	44.5	45.7	46.0	46.5	45.1
Year	2009	2002	2002	2002	2002	2002	2002	2002
Lowest value	33.0	36.4	34.5	32.1	33.0	33.6	34.2	35.0
Year	2005	2004	2005	1997	1997	1997	1982	1997
Minimum Temperature (°C)								
Mean	25.4	25.8	25.5	26.2	25.6	25.9	25.9	25.7
Highest value	29.5	29.8	29.2	30.7	30.9	32.5	30.9	29.2
Year	1995	2006	1986	2001	2010	2007	2007	2001
Lowest value	21.4	20.5	19.4	21.1	19.8	21.3	19.3	21.5
Year	1984	1979	1997	1979	1997	1989	1989	1997
RH-I (%)								
Mean	39	41	39	40	42	42	44	41
Highest value	71	71	65	74	84	69	88	64
Year	1977	1977	1997	1991	1997	1975	1982	1977
Lowest value	11	9	8	8	8	11	12	20
Year	1984	1984	1979	1979	1989	1989	1989	1979
RH-II (%)								
Mean	14	16	16	14	14	14	17	15
Highest value	29	37	56	40	34	37	96	34
Year	1974	2005	1997	1997	1997	1982	1982	1997
Lowest value	2	4	1	3	2	1	4	5
Year	1984	1984	1979	1980	2003	1989	1989	2004
Rainfall (mm)								
Mean	0.0	0.7	0.0	0.1	0.2	0.3	0.1	1.4
Highest value	0.2	19.0	0.8	4.2	8.0	7.6	1.4	23.0
Year	2004	2005	1977	1990	1990	1975	1977	2005
Evaporation (mm)								
Mean	13.5	13.9	13.7	13.5	13.6	13.6	13.9	13.7
Highest value	20.4	25.3	27.5	18.5	23.4	24.8	26.3	23.4
Year	1973	1972	1972	1972	1972	1972	1972	1972
Lowest value	4.6	8.4	4.2	6.0	4.6	8.1	6.0	6.5
Year	2005	2005	2005	1997	2005	1997	1977	2005
Wind speed (kmph)								
Mean	7.4	8.4	8.3	7.9	7.7	7.8	8.1	7.9
Highest value	18.2	22.9	17.2	14.0	15.6	17.0	17.1	12.9
Year	1977	1989	1972	1977	1971	1976	1976	1976
Lowest value	2.9	3.9	2.9	3.3	2.4	2.4	2.8	4.0
Year	2003	1971	2005	1995	2004	1995	1995	1995
Sunshine hours (h)								
Mean	9.5	9.5	9.9	9.3	10.0	10.4	9.9	9.8
Highest value	11.6	12.1	12.5	12.0	11.7	12.1	12.3	11.8
Year	1973	1973	1981	1973	1993	1981	1973	1973
Lowest value	1.2	0.0	3.0	0.0	5.2	5.6	0.0	6.3
Year	1979	1992	1972	1987	1980	1977	1982	1980

Table 19. Daily and weekly weather characteristics of meteorological week 19

Weather variable	Date: May							Weekly mean
	7	8	9	10	11	12	13	
	Julian Day							
	128	129	130	131	132	133	134	
Maximum Temperature (°C)								
Mean	40.8	41.0	41.0	40.7	41.0	41.4	41.7	41.1
Highest value	45.7	46.3	46.0	46.0	46.5	46.0	44.6	45.5
Year	2002	1988	1995	1995	1995	1995	2010	1995
Lowest value	23.1	29.3	30.5	32.6	33.5	35.3	35.8	31.5
Year	1982	1982	1982	1987	1982	1982	1982	1982
Minimum Temperature (°C)								
Mean	26.0	26.5	26.3	26.9	27.0	26.9	27.3	26.7
Highest value	31.4	33.4	34.0	33.8	31.5	31.5	32.8	32.4
Year	1995	1995	1995	1995	1995	2010	1992	1995
Lowest value	19.5	19.7	18.1	19.7	22.4	20.8	20.8	22.9
Year	1982	1997	1987	2008	1981	1993	1983	1982
RH-I (%)								
Mean	44	45	48	47	44	49	47	46
Highest value	86	89	92	80	86	78	76	79
Year	1982	1982	1982	1982	1996	2008	1973	1982
Lowest value	8	6	10	18	15	15	11	20
Year	1989	1989	1989	1995	2003	1972	1985	1989
RH-II (%)								
Mean	17	18	19	18	18	17	18	18
Highest value	67	95	65	51	44	39	42	55
Year	1982	1982	1982	1982	1983	2008	2000	1982
Lowest value	2	4	3	5	6	5	5	6
Year	1989	1989	1989	1989	1972	1972	2010	1989
Rainfall (mm)								
Mean	1.3	0.1	1.2	1.3	0.1	0.0	0.4	4.3
Highest value	44.2	4.4	23.4	33.6	1.4	0.0	14.3	61.3
Year	1982	1987	2008	2008	1996		1983	2008
Evaporation (mm)								
Mean	14.1	13.4	13.9	14.0	13.2	13.7	13.8	13.7
Highest value	19.6	20.3	23.4	26.2	19.0	21.4	20.0	19.4
Year	1972	1973	1988	1975	1988	1988	1988	1988
Lowest value	7.4	4.5	3.2	4.2	7.1	8.4	9.2	6.5
Year	1982	1982	1982	1982	1982	2004	1982	1982
Wind speed (kmph)								
Mean	9.2	8.4	9.3	9.0	8.9	9.0	8.8	8.9
Highest value	20.1	17.8	17.7	21.6	21.4	21.9	16.7	15.7
Year	1976	1980	1973	1971	1971	1971	1971	1971
Lowest value	1.7	2.4	2.2	1.6	2.4	1.5	1.4	3.2
Year	1996	1998	2003	1995	1995	1998	1998	1995
Sunshine hours (h)								
Mean	10.1	10.0	10.1	9.8	10.2	10.6	10.5	10.2
Highest value	12.3	12.1	12.1	11.9	12.0	12.0	11.8	11.5
Year	1973	1989	1974	1976	1976	1972	1972	1972
Lowest value	2.5	5.5	0.0	1.5	2.9	7.7	7.0	6.0
Year	1998	1982	2004	2004	2004	2004	1982	2004

Table 20. Daily and weekly weather characteristics of meteorological week 20

Weather variable	Date: May							Weekly mean
	14	15	16	17	18	19	20	
	Julian Day							
	135	136	137	138	139	140	141	
Maximum Temperature (°C)								
Mean	41.8	41.6	41.4	41.6	41.6	41.7	41.3	41.6
Highest value	46.4	46.4	45.7	45.3	46.2	46.2	47.2	45.4
Year	1995	1995	1989	1998	2002	1998	1998	1998
Lowest value	35.4	36.2	36.6	37.2	36.9	36.0	36.5	37.8
Year	1982	1982	1982	1973	1973	2001	1996	1982
Minimum Temperature (°C)								
Mean	27.6	27.4	27.4	27.3	27.0	27.5	27.3	27.4
Highest value	31.4	32.7	31.3	33.2	31.9	33.5	33.0	31.0
Year	2009	1995	2009	2002	2002	2010	1998	2010
Lowest value	20.7	23.5	19.4	21.2	19.7	21.1	21.7	23.0
Year	1982	1987	1996	1997	2001	1996	1982	1996
RH-I (%)								
Mean	50	49	46	48	50	53	56	50
Highest value	80	73	73	79	81	83	79	73
Year	1982	1990	1976	1973	1976	2002	1997	2007
Lowest value	16	14	7	16	14	11	15	21
Year	1998	1985	1979	1972	1992	1986	1986	1985
RH-II (%)								
Mean	17	18	18	18	20	20	21	19
Highest value	38	38	36	34	42	40	40	36
Year	2008	2001	2002	1973	2001	2008	1979	2008
Lowest value	5	3	3	3	4	1	1	7
Year	1977	1985	1985	1985	1984	1986	1986	1985
Rainfall (mm)								
Mean	0.0	0.2	0.1	0.2	0.6	0.3	0.1	1.5
Highest value	0.0	5.2	5.6	5.6	22.8	5.8	4.1	22.8
Year		1987	1996	1973	2001	1996	1982	2001
Evaporation (mm)								
Mean	14.7	14.7	14.6	14.6	14.5	15.5	14.8	14.8
Highest value	22.8	21.7	21.6	22.8	20.3	26.0	23.9	18.9
Year	1988	1973	1976	1989	1977	1986	1977	1977
Lowest value	8.8	8.0	10.0	9.2	9.3	7.3	7.0	10.9
Year	1982	1987	1987	1996	1982	2001	1996	1982
Wind speed (kmph)								
Mean	9.7	10.1	10.2	10.3	10.3	11.3	11.4	10.5
Highest value	23.5	23.0	20.8	22.5	20.1	20.0	27.4	16.4
Year	1973	1973	1973	1971	2008	2008	1972	1971
Lowest value	2.3	3.0	2.2	1.6	2.3	3.2	3.6	3.3
Year	1998	1998	1997	1997	1997	1998	2010	1998
Sunshine hours (h)								
Mean	10.5	10.3	10.1	10.2	10.1	10.2	9.9	10.2
Highest value	11.8	11.9	12.0	12.3	11.8	12.0	11.7	11.5
Year	1980	1972	1999	1999	1999	1985	1974	1978
Lowest value	8.3	5.3	3.2	3.1	4.7	5.3	0.0	7.3
Year	1979	1987	1992	1973	1986	1986	1991	1973

Table 21. Daily and weekly weather characteristics of meteorological week 21

Weather variable	Date: May							Weekly mean
	21	22	23	24	25	26	27	
	Julian Day							
	142	143	144	145	146	147	148	
Maximum Temperature (°C)								
Mean	41.0	41.3	41.0	41.0	41.3	41.3	41.1	41.1
Highest value	46.7	46.5	47.4	47.2	45.2	44.8	45.8	45.3
Year	1998	1994	1994	2010	2010	1998	1973	2010
Lowest value	34.9	37.3	30.2	33.3	37.7	37.6	35.5	37.3
Year	1991	2001	1999	1971	1971	1979	1979	1971
Minimum Temperature (°C)								
Mean	27.4	27.2	27.4	27.2	27.7	27.5	27.7	27.4
Highest value	31.8	31.5	32.3	31.7	31.3	30.9	31.3	31.1
Year	1988	2009	2009	2010	1998	1998	1992	2009
Lowest value	21.4	18.7	21.3	20.7	23.7	20.8	19.6	24.4
Year	1986	1983	1971	1974	1995	1979	1974	1986
RH-I (%)								
Mean	53	53	56	59	58	55	55	56
Highest value	87	76	88	85	75	90	84	70
Year	1983	1996	1987	1999	1992	1979	1979	1999
Lowest value	13	15	11	30	25	13	19	34
Year	1986	2010	1981	2005	2005	1989	1972	2005
RH-II (%)								
Mean	21	23	23	22	24	24	22	23
Highest value	39	87	51	38	49	52	69	40
Year	1974	1999	1999	1997	1974	1979	1979	1999
Lowest value	3	3	2	7	8	3	5	8
Year	1981	1981	1981	1989	1989	1972	1972	1989
Rainfall (mm)								
Mean	0.0	0.8	1.4	0.2	0.0	0.8	0.2	3.4
Highest value	0.0	15.5	21.9	5.8	0.0	26.2	5.6	29.9
Year		1983	1971	1974		1979	1974	1979
Evaporation (mm)								
Mean	14.8	14.5	14.7	14.5	14.7	14.5	14.5	14.6
Highest value	22.7	20.6	24.6	23.2	23.9	19.0	23.5	19.6
Year	1976	1972	1972	1974	1974	2010	1973	1972
Lowest value	5.6	9.1	3.3	5.5	9.2	8.0	6.5	9.1
Year	1991	1999	1999	1971	1983	1971	1979	1999
Wind speed (kmph)								
Mean	11.7	11.4	11.6	11.1	11.6	12.1	11.7	11.6
Highest value	29.3	28.2	29.3	23.5	21.5	23.3	21.6	20.8
Year	1972	1972	1972	1976	1978	1971	1971	1972
Lowest value	3.9	3.1	3.1	4.0	4.4	2.7	2.8	5.0
Year	2010	2010	2001	2005	1987	1996	1995	1996
Sunshine hours (h)								
Mean	9.9	10.3	9.7	10.1	10.1	9.9	9.7	9.9
Highest value	11.8	12.1	11.7	12.3	12.2	12.4	12.2	11.9
Year	1989	1973	1978	1973	1973	1996	2001	1973
Lowest value	6.6	1.8	1.8	1.1	3.1	2.8	0.0	7.0
Year	1975	1999	2004	2008	1979	2007	1986	1979

Table 22. Daily and weekly weather characteristics of meteorological week 22

Weather variable	Date: May-June							Weekly mean
	28	29	30	31	1	2	3	
	Julian Day							
	149	150	151	152	153	154	155	
Maximum Temperature (°C)								
Mean	41.3	41.1	40.7	40.7	40.6	40.5	40.9	40.8
Highest value	46.4	47.2	47.0	45.8	45.1	46.2	47.2	45.4
Year	1994	1994	1994	1994	1991	1991	1991	1994
Lowest value	33.2	34.8	34.7	33.2	35.6	30.6	31.5	37.4
Year	1979	1979	1979	1986	1985	1997	1975	1979
Minimum Temperature (°C)								
Mean	27.5	27.3	27.1	27.3	27.9	28.2	28.2	27.6
Highest value	31.5	32.5	31.6	32.1	32.5	31.3	31.7	30.7
Year	1995	1994	1994	1971	2006	1998	2007	1994
Lowest value	21.0	19.6	19.4	19.4	19.6	21.5	19.3	23.5
Year	1979	1979	1986	1973	1997	1975	1997	1997
RH-I (%)								
Mean	58	60	61	59	56	57	57	58
Highest value	79	77	78	94	91	79	92	78
Year	1979	2008	2009	1985	1997	1975	1997	1997
Lowest value	25	25	26	24	20	13	12	27
Year	2005	1994	1995	1982	1991	1991	1991	1991
RH-II (%)								
Mean	23	24	25	24	25	23	24	24
Highest value	40	42	49	49	59	50	61	43
Year	1992	1974	1986	1985	1997	1997	1975	1997
Lowest value	6	10	6	8	6	4	3	11
Year	1972	1991	1995	1992	1982	1991	1981	1991
Rainfall (mm)								
Mean	0.8	1.2	1.3	2.3	0.7	0.1	0.7	7.1
Highest value	13.2	16.0	26.9	36.4	26.7	2.0	18.0	54.9
Year	2008	1986	1986	1985	1997	1993	1997	1986
Evaporation (mm)								
Mean	14.6	14.6	14.1	13.2	13.6	12.9	14.2	13.9
Highest value	27.6	21.0	21.7	17.8	21.6	17.9	18.9	17.8
Year	1973	1989	1975	1978	1975	1975	1989	1989
Lowest value	3.5	7.7	8.0	5.7	5.8	4.2	6.0	10.8
Year	1979	1979	1979	1986	1985	1997	2006	2006
Wind speed (kmph)								
Mean	11.3	11.7	10.8	10.5	9.6	9.4	10.9	10.6
Highest value	21.4	20.4	18.7	18.2	20.9	20.1	22.9	16.2
Year	1973	1989	1973	1974	1974	1974	1974	1988
Lowest value	2.6	4.5	2.9	3.7	2.7	4.2	4.0	5.4
Year	1995	1995	1971	1971	2007	1986	1991	1995
Sunshine hours (h)								
Mean	9.9	10.0	10.5	10.4	10.2	10.3	10.6	10.3
Highest value	12.1	12.3	12.0	12.1	12.0	12.2	12.2	11.7
Year	1990	1975	1972	1974	1972	1976	1976	1996
Lowest value	3.9	0.2	6.4	5.4	0.3	1.2	6.9	7.4
Year	1987	1992	1992	1997	2006	2006	1986	2006

Table 23. Daily and weekly weather characteristics of meteorological week 23

Weather variable	Date: June							Weekly mean
	4	5	6	7	8	9	10	
	Julian Day							
	156	157	158	159	160	161	162	
Maximum Temperature (°C)								
Mean	41.1	41.2	41.4	41.0	40.6	40.8	40.6	40.9
Highest value	47.4	46.7	47.2	47.2	45.6	45.4	46.5	46.2
Year	1991	1991	1995	1994	1991	1993	1991	1991
Lowest value	32.5	33.5	35.0	35.2	25.7	33.5	29.5	35.5
Year	1975	1997	1997	2010	2010	2010	1998	1997
Minimum Temperature (°C)								
Mean	28.1	28.4	28.1	28.6	28.5	28.1	28.3	28.3
Highest value	33.0	31.8	31.2	33.0	32.8	32.0	33.6	31.7
Year	1973	1994	1992	1991	1991	1988	1996	1991
Lowest value	20.5	22.4	19.4	21.9	20.3	20.5	20.2	22.6
Year	1975	1997	1988	1975	1972	1974	1975	1975
RH-I (%)								
Mean	59	58	59	61	60	64	63	61
Highest value	88	77	82	95	83	87	96	77
Year	2007	1997	1997	2010	2010	1975	1998	1997
Lowest value	12	18	20	26	41	29	27	44
Year	1981	1981	1981	2009	1986	1988	1988	1992
RH-II (%)								
Mean	25	24	27	29	30	30	32	28
Highest value	50	46	41	93	55	75	87	45
Year	1975	1997	1997	2010	2010	1998	1998	2010
Lowest value	7	1	10	8	14	12	10	15
Year	1979	1981	1981	2009	2009	1988	1988	1979
Rainfall (mm)								
Mean	0.2	0.0	0.5	0.9	0.5	2.3	2.7	7.2
Highest value	4.5	1.2	12.9	32.8	11.0	42.6	104.6	130.6
Year	2007	1980	1997	2010	1975	1974	1998	1998
Evaporation (mm)								
Mean	14.1	14.2	14.8	14.3	13.9	13.1	13.5	14.0
Highest value	19.7	25.2	25.2	23.6	20.2	19.2	20.6	20.1
Year	1988	1977	1977	1977	1973	1995	1978	1977
Lowest value	6.1	5.8	8.4	6.9	2.2	0.0	0.1	8.6
Year	1997	2007	1997	2010	2010	1974	1998	2010
Wind speed (kmph)								
Mean	10.7	11.4	12.0	12.0	12.1	11.7	11.9	11.7
Highest value	21.3	25.3	27.7	27.3	24.8	21.7	24.5	21.0
Year	1974	1974	1974	1974	1975	2003	1971	1974
Lowest value	3.1	2.3	3.2	4.9	5.0	2.0	2.2	5.5
Year	1995	1995	1994	1994	1997	2010	2010	1991
Sunshine hours (h)								
Mean	10.2	10.5	10.0	9.9	9.7	9.3	9.8	9.9
Highest value	12.0	12.1	12.0	12.0	11.8	12.0	12.2	11.7
Year	1972	2007	1993	1993	1989	1977	1978	1977
Lowest value	0.6	4.0	2.0	0.2	0.0	0.4	2.1	6.0
Year	2007	2010	2010	2010	1975	1998	1998	2003

Table 24. Daily and weekly weather characteristics of meteorological week 24

Weather variable	Date: June							Weekly mean
	11	12	13	14	15	16	17	
	Julian Day							
	163	164	165	166	167	168	169	
Maximum Temperature (°C)								
Mean	40.3	40.2	40.1	39.7	40.0	40.3	40.4	40.1
Highest value	45.0	45.7	45.3	44.8	44.0	45.4	44.6	44.1
Year	1992	1988	1988	2010	1995	1995	1981	1992
Lowest value	27.2	34.2	33.1	31.1	34.2	35.4	35.5	36.0
Year	1998	1977	1983	1973	2001	1973	2009	2008
Minimum Temperature (°C)								
Mean	28.6	27.9	27.5	28.0	28.5	28.3	28.3	28.2
Highest value	31.7	31.6	31.7	32.0	33.8	32.0	31.9	31.0
Year	1988	2002	2010	2002	1995	1992	1986	2002
Lowest value	21.3	20.4	21.7	20.0	21.2	21.0	22.0	24.9
Year	1983	1983	1983	1977	1977	2009	2009	1977
RH-I (%)								
Mean	63	63	68	66	64	64	66	65
Highest value	89	89	96	90	89	83	87	79
Year	1998	1998	1973	2001	2001	2001	2004	2008
Lowest value	33	26	38	39	36	40	42	49
Year	1988	2010	2010	2010	1995	1979	1979	2010
RH-II (%)								
Mean	31	35	34	33	31	32	33	33
Highest value	55	93	76	59	51	51	61	55
Year	1998	1983	1973	2001	2001	2001	2001	2008
Lowest value	3	11	5	12	6	9	13	14
Year	1988	1988	1981	1981	1981	1981	1979	1981
Rainfall (mm)								
Mean	0.8	1.3	5.0	0.9	0.4	0.5	1.2	10.1
Highest value	17.8	20.4	70.8	31.5	5.5	10.0	20.0	75.2
Year	2008	2008	1973	2001	1984	2009	2001	2008
Evaporation (mm)								
Mean	13.4	13.3	12.5	12.3	12.6	12.7	13.1	12.8
Highest value	18.4	19.2	20.2	24.4	19.9	19.7	18.6	19.0
Year	1979	1977	1972	1972	1972	1972	1972	1972
Lowest value	2.8	5.1	0.0	1.4	4.4	6.0	8.5	7.4
Year	1998	1983	1973	1996	2001	2001	2010	2008
Wind speed (kmph)								
Mean	11.8	11.3	11.6	10.9	10.9	11.5	11.5	11.4
Highest value	24.8	29.5	29.7	26.8	32.3	34.9	33.2	23.7
Year	1976	1976	1976	1976	1973	1973	1973	1976
Lowest value	2.0	2.7	3.1	2.1	1.8	3.1	2.6	4.3
Year	2010	2010	2010	1998	1997	1998	1998	1998
Sunshine hours (h)								
Mean	9.6	8.9	9.2	9.8	9.5	9.3	9.7	9.4
Highest value	11.8	11.5	12.1	12.1	11.8	12.0	12.4	11.5
Year	1993	2010	1983	1977	1986	1975	1977	2002
Lowest value	3.3	0.3	0.0	2.7	5.4	3.6	0.3	4.3
Year	1989	1977	1973	1973	1978	1973	2003	1973

Table 25. Daily and weekly weather characteristics of meteorological week 25

Weather variable	Date: June							Weekly mean
	18	19	20	21	22	23	24	
	Julian Day							
	170	171	172	173	174	175	176	
Maximum Temperature (°C)								
Mean	40.1	39.6	39.9	39.4	39.0	39.2	39.3	39.5
Highest value	45.5	45.7	46.4	46.5	43.5	43.9	46.3	44.3
Year	1992	1992	1992	2010	1992	2006	2006	1992
Lowest value	34.8	27.2	28.2	30.4	28.0	33.2	34.3	32.9
Year	2001	2003	2003	1996	1996	1996	1996	1996
Minimum Temperature (°C)								
Mean	28.1	28.3	28.0	27.8	27.9	28.4	28.4	28.1
Highest value	33.2	32.0	33.2	31.4	30.6	33.5	33.7	31.0
Year	1992	2005	1992	1992	1972	2007	2007	1992
Lowest value	22.5	21.5	21.7	23.6	21.4	24.5	25.0	24.9
Year	1977	2003	1993	1999	1995	1987	1976	1996
RH-I (%)								
Mean	66	63	65	69	68	67	65	66
Highest value	94	91	90	95	91	86	82	86
Year	2004	2003	2003	1996	1996	1986	1981	1996
Lowest value	43	33	34	41	37	32	36	40
Year	1992	2010	2010	2006	2006	2006	1975	2006
RH-II (%)								
Mean	35	34	37	38	37	36	36	36
Highest value	86	92	100	100	71	54	64	72
Year	2003	2003	1996	1996	1976	2009	1997	1996
Lowest value	16	14	12	15	14	13	17	17
Year	2010	1992	2010	2009	2009	2006	2006	2006
Rainfall (mm)								
Mean	1.0	1.5	2.0	3.0	1.5	0.5	0.6	10.1
Highest value	16.0	56.6	23.5	75.0	28.0	10.0	11.2	123.4
Year	1996	2003	1978	1996	1996	1980	1976	1996
Evaporation (mm)								
Mean	13.0	12.9	12.4	12.3	12.0	12.0	12.7	12.5
Highest value	19.6	20.3	19.3	20.3	17.6	17.8	18.3	17.2
Year	1972	1972	1972	1977	1973	1977	1973	1972
Lowest value	4.0	0.0	1.7	3.0	3.0	5.2	6.7	5.4
Year	2003	2003	2003	1996	1996	1996	1995	2003
Wind speed (kmph)								
Mean	12.2	12.7	11.8	12.2	11.7	11.4	12.4	12.0
Highest value	29.5	29.3	28.2	24.5	27.0	26.2	24.9	26.3
Year	1973	1972	1972	1973	1973	1973	1973	1973
Lowest value	1.7	2.4	3.5	2.4	4.7	3.4	4.2	5.9
Year	1998	1998	2010	2003	1999	1996	1995	2006
Sunshine hours (h)								
Mean	8.5	8.6	8.7	8.6	8.9	9.2	8.5	8.7
Highest value	12.3	12.1	12.1	12.5	12.3	11.9	12.3	11.3
Year	1972	1979	1977	1977	1972	1983	2007	2002
Lowest value	0.0	0.0	0.2	0.0	2.1	1.7	2.5	2.9
Year	2003	2006	1996	1996	1986	1996	2001	1996

Table 26. Daily and weekly weather characteristics of meteorological week 26

Weather variable	Date: June-July							Weekly mean
	25	26	27	28	29	30	1	
	Julian Day							
	177	178	179	180	181	182	183	
Maximum Temperature (°C)								
Mean	39.1	38.7	39.0	39.2	38.9	38.7	37.5	38.7
Highest value	45.5	43.0	43.9	45.2	43.7	43.5	42.5	42.3
Year	2006	2002	1976	1976	1976	1995	2000	1995
Lowest value	36.3	32.4	32.4	32.3	28.3	31.5	27.7	34.2
Year	1996	1974	1971	1980	1977	2002	1988	1977
Minimum Temperature (°C)								
Mean	28.1	27.8	28.2	28.1	27.8	27.4	27.6	27.8
Highest value	32.0	31.3	32.2	32.3	32.5	32.7	31.2	31.2
Year	2006	2010	2010	2010	1991	1991	2007	2010
Lowest value	22.6	23.7	24.0	21.5	21.5	21.8	21.6	23.8
Year	1974	1974	1993	1971	1977	1977	1996	1977
RH-I (%)								
Mean	68	70	67	68	69	72	72	69
Highest value	95	95	90	99	94	98	93	88
Year	1974	1980	1980	1977	1971	1988	1988	1977
Lowest value	48	35	39	37	37	48	52	53
Year	2006	1976	1976	1991	1991	2000	1991	2010
RH-II (%)								
Mean	40	38	36	37	41	44	43	40
Highest value	83	64	74	63	89	91	81	59
Year	1997	1971	1980	1977	1971	1988	1988	1977
Lowest value	22	19	13	19	21	25	30	25
Year	1976	1976	1976	1974	1974	2000	1987	1976
Rainfall (mm)								
Mean	0.3	1.7	1.3	2.4	2.0	2.2	2.8	12.8
Highest value	9.2	22.0	35.1	54.6	38.4	24.2	43.2	96.6
Year	1974	1971	1993	1977	1977	1998	2005	1977
Evaporation (mm)								
Mean	12.0	11.1	11.6	11.2	11.5	11.2	10.1	11.2
Highest value	18.7	18.6	16.7	21.0	19.9	21.4	18.3	17.1
Year	1984	1978	1973	1976	1976	1976	1976	1976
Lowest value	4.4	3.4	4.6	0.0	0.0	1.1	0.0	6.3
Year	2009	1974	1980	1977	1977	1971	2005	1971
Wind speed (kmph)								
Mean	11.9	11.4	10.9	10.6	11.5	11.6	11.5	11.3
Highest value	25.9	31.1	25.1	21.8	24.8	26.9	27.3	20.3
Year	1984	1978	1978	1982	1982	1979	1979	1978
Lowest value	3.8	3.1	4.3	4.5	5.0	2.7	2.4	5.6
Year	1997	1974	1974	1993	1998	2005	1998	1998
Sunshine hours (h)								
Mean	8.2	7.9	8.3	8.1	7.9	7.2	7.4	7.8
Highest value	12.1	11.9	11.8	11.9	12.1	12.3	11.7	11.1
Year	1976	1977	1974	1974	1974	1974	1976	1976
Lowest value	0.5	0.0	0.6	0.0	0.0	0.0	1.2	2.4
Year	1981	2005	1971	1978	1971	1981	1990	1971

Table 27. Daily and weekly weather characteristics of meteorological week 27

Weather variable	Date: July							Weekly mean
	2	3	4	5	6	7	8	
	Julian Day							
	184	185	186	187	188	189	190	
Maximum Temperature (°C)								
Mean	37.8	38.0	37.2	37.2	37.0	36.8	37.9	37.4
Highest value	42.2	43.2	43.2	41.2	42.4	43.5	44.5	40.5
Year	2000	2006	2010	2006	2006	2009	2009	2006
Lowest value	30.3	30.2	26.7	29.4	27.5	27.4	30.4	31.4
Year	1988	1994	1990	2007	2007	1990	1990	1990
Minimum Temperature (°C)								
Mean	27.8	27.1	27.4	27.2	27.1	27.6	27.3	27.4
Highest value	31.8	30.4	31.0	32.8	30.4	31.5	31.6	29.2
Year	2007	1980	2004	2006	1976	2009	2009	2009
Lowest value	24.5	21.3	22.2	21.4	23.2	23.0	22.5	24.6
Year	1994	1990	1979	1983	1983	1990	1974	1990
RH-I (%)								
Mean	71	74	73	74	74	73	74	73
Highest value	97	98	98	97	96	93	95	90
Year	1977	1990	2001	1980	1990	1990	2003	1990
Lowest value	51	55	56	53	50	50	58	59
Year	2007	1993	2004	1974	2009	2009	1976	1974
RH-II (%)								
Mean	41	45	44	46	47	42	44	44
Highest value	82	98	93	97	92	79	96	79
Year	1994	1990	1990	2007	1990	1990	2001	1990
Lowest value	24	20	26	26	22	21	29	31
Year	1991	2010	1976	2009	2009	2010	1972	1976
Rainfall (mm)								
Mean	2.1	5.7	7.3	4.7	5.2	1.6	1.7	28.4
Highest value	35.6	152.0	144.3	59.3	117.7	42.7	14.2	516.0
Year	1994	1990	1990	1990	1990	1990	1974	1990
Evaporation (mm)								
Mean	10.7	10.7	9.7	10.1	9.6	9.5	10.1	10.1
Highest value	21.5	25.0	16.4	16.7	14.8	19.8	18.5	18.4
Year	1976	1976	1974	1995	1987	1976	1974	1976
Lowest value	2.8	0.0	0.0	1.6	0.0	2.8	1.5	3.6
Year	1988	1990	1990	2001	1990	2003	1978	1990
Wind speed (kmph)								
Mean	11.2	11.6	11.1	11.0	10.4	10.2	11.0	10.9
Highest value	29.1	25.3	21.4	24.8	19.9	20.8	20.1	19.6
Year	1979	1979	1974	1972	1988	1976	1976	1979
Lowest value	2.5	3.7	2.4	1.6	3.2	2.8	2.6	5.0
Year	1998	1993	1998	1994	2003	2010	1996	1998
Sunshine hours (h)								
Mean	8.2	7.4	7.0	7.4	7.5	7.9	7.8	7.6
Highest value	12.0	11.6	11.6	12.1	11.8	11.4	11.7	11.1
Year	1993	1974	1997	2000	2000	1997	2000	1982
Lowest value	0.1	0.0	0.0	0.0	0.0	0.4	0.5	2.6
Year	2001	1990	2007	1990	1990	1977	2008	1990

Table 28. Daily and weekly weather characteristics of meteorological week 28

Weather variable	Date: July							Weekly mean
	9	10	11	12	13	14	15	
	Julian Day							
	191	192	193	194	195	196	197	
Maximum Temperature (°C)								
Mean	37.5	37.2	36.6	36.0	36.2	36.3	35.8	36.5
Highest value	43.3	42.0	41.8	43.5	42.2	40.3	39.7	41.1
Year	2009	2009	1991	1991	1991	1991	1991	1991
Lowest value	32.7	30.0	29.4	27.3	30.3	29.8	28.9	32.4
Year	1993	1981	1972	1977	2008	1985	2000	1977
Minimum Temperature (°C)								
Mean	27.5	27.5	27.1	27.0	26.9	26.7	26.8	27.1
Highest value	31.0	31.5	29.9	30.8	30.1	29.7	31.0	29.6
Year	1999	1991	1992	2000	1987	1991	1991	1991
Lowest value	24.4	23.7	23.7	23.8	24.7	21.6	24.0	24.9
Year	2001	1972	1977	1977	1980	1974	1971	1971
RH-I (%)								
Mean	74	74	75	76	77	76	78	76
Highest value	97	97	97	97	95	97	95	91
Year	2003	1978	1977	1977	1978	2000	1982	1977
Lowest value	56	50	45	60	60	62	58	57
Year	1999	1991	1991	1985	1982	2002	1991	1991
RH-II (%)								
Mean	47	47	50	49	50	51	50	49
Highest value	90	92	96	86	92	93	92	71
Year	1972	2003	1977	1994	1994	1971	1988	2001
Lowest value	30	28	26	29	29	34	33	32
Year	1987	1971	1991	1983	1987	1984	2002	1991
Rainfall (mm)								
Mean	1.3	1.9	3.4	2.2	2.0	4.3	3.4	18.5
Highest value	19.4	25.1	40.8	30.3	27.6	53.8	40.9	122.3
Year	2001	2003	2001	1980	2000	2000	2000	2000
Evaporation (mm)								
Mean	9.8	9.8	9.8	8.8	8.5	8.7	8.2	9.1
Highest value	16.9	16.9	16.8	15.0	14.6	14.0	13.1	13.3
Year	1976	1976	1976	1989	1989	1991	1984	1971
Lowest value	2.8	3.1	3.0	1.4	1.5	0.0	0.0	3.4
Year	2001	1981	2001	1988	2003	1974	1976	2001
Wind speed (kmph)								
Mean	11.1	11.1	11.5	10.9	10.4	10.0	9.9	10.7
Highest value	23.5	22.2	24.3	18.9	22.0	16.1	18.2	17.4
Year	1971	1971	1971	1979	1972	1972	1977	1971
Lowest value	3.2	1.9	2.1	3.9	2.6	3.0	3.0	5.2
Year	2001	2001	2001	2001	1994	1994	2003	1998
Sunshine hours (h)								
Mean	8.3	7.1	6.7	5.9	6.6	6.3	6.1	6.7
Highest value	11.7	11.5	11.4	11.3	11.3	11.4	11.2	10.7
Year	1974	1995	1991	2002	2002	1996	2002	2002
Lowest value	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.3
Year	2006	2006	1977	1976	1985	1998	1981	2006

Table 29. Daily and weekly weather characteristics of meteorological week 29

Weather variable	Date: July							Weekly mean
	16	17	18	19	20	21	22	
	Julian Day							
	198	199	200	201	202	203	204	
Maximum Temperature (°C)								
Mean	35.8	35.1	35.4	35.8	35.3	35.0	35.2	35.4
Highest value	41.8	42.0	41.6	41.5	41.6	39.2	39.1	39.6
Year	1991	2010	1999	2006	1982	1989	2010	2010
Lowest value	30.0	26.5	26.3	26.1	26.8	30.0	28.0	29.8
Year	2000	1979	1979	1979	1975	1999	1975	1975
Minimum Temperature (°C)								
Mean	26.6	26.6	26.6	26.7	26.6	26.6	26.4	26.6
Highest value	30.7	31.0	30.3	30.4	29.5	30.6	29.1	29.5
Year	2010	1999	2006	2002	2010	2010	1983	2010
Lowest value	23.2	24.1	22.5	22.7	23.9	22.4	23.1	24.6
Year	1985	1978	1977	1975	1985	1971	2000	1979
RH-I (%)								
Mean	79	80	79	79	81	78	79	79
Highest value	98	99	98	99	97	96	98	92
Year	1976	1974	1993	1975	1975	1991	1981	1975
Lowest value	57	52	61	58	60	60	65	64
Year	2004	2004	1989	2006	2002	1983	2002	2004
RH-II (%)								
Mean	55	54	51	53	54	54	54	53
Highest value	97	96	95	96	98	100	94	82
Year	1979	1994	1979	1993	1975	1973	1988	1975
Lowest value	31	31	29	32	26	31	29	31
Year	2004	2004	2006	1982	2004	2004	2004	2004
Rainfall (mm)								
Mean	6.6	6.3	9.5	5.4	3.2	1.0	5.1	37.2
Highest value	46.7	148.2	146.4	120.6	23.4	16.1	44.8	438.0
Year	1985	1979	1979	1979	1971	1971	2000	1979
Evaporation (mm)								
Mean	7.8	7.2	7.2	7.6	7.9	7.6	7.4	7.5
Highest value	13.8	14.7	14.4	13.1	14.4	14.0	15.2	13.1
Year	1984	1986	1972	1972	1989	2002	1987	1986
Lowest value	0.0	1.2	0.0	0.0	0.0	2.1	0.0	3.2
Year	1983	1979	1974	1975	1975	1992	1973	1975
Wind speed (kmph)								
Mean	9.8	9.4	8.5	9.7	10.2	10.0	9.5	9.6
Highest value	17.9	20.5	20.6	19.2	20.4	18.4	18.8	17.5
Year	1981	1978	1981	1980	1980	2002	2002	1981
Lowest value	2.4	2.4	1.9	2.1	2.2	2.4	4.6	3.3
Year	1996	1996	2003	1996	1999	1992	1976	1996
Sunshine hours (h)								
Mean	5.8	5.9	6.5	6.2	5.4	5.7	6.1	5.9
Highest value	11.6	11.6	11.6	11.4	11.4	11.3	11.1	10.3
Year	2002	2002	1989	2003	1998	1987	1998	1987
Lowest value	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Year	1979	1975	1974	1974	1974	1991	1974	1981

Table 30. Daily and weekly weather characteristics of meteorological week 30

Weather variable	Date: July							Weekly mean
	23	24	25	26	27	28	29	
	Julian Day							
	205	206	207	208	209	210	211	
Maximum Temperature (°C)								
Mean	35.0	34.9	34.9	34.6	34.6	34.3	34.7	34.7
Highest value	39.0	39.0	40.8	40.8	40.3	38.7	38.4	39.0
Year	1976	1989	2004	2004	2005	2004	2004	2004
Lowest value	27.0	26.6	30.3	28.4	27.0	29.2	24.9	31.2
Year	2000	1978	1978	1986	1995	1976	1986	1978
Minimum Temperature (°C)								
Mean	26.3	26.4	26.2	26.3	26.1	26.1	26.3	26.2
Highest value	29.2	30.1	30.0	29.2	29.2	28.0	29.8	28.5
Year	2006	1989	2004	2008	1992	1974	2004	2004
Lowest value	22.5	23.1	22.8	24.2	23.6	22.8	21.7	24.4
Year	1999	1996	1982	1973	2005	1983	1986	1973
RH-I (%)								
Mean	80	81	81	80	81	81	81	81
Highest value	98	98	97	95	98	98	98	94
Year	1978	1978	1973	1973	1973	1986	1986	1973
Lowest value	64	59	58	56	59	64	60	62
Year	2002	2004	2004	2004	2004	1984	1992	2004
RH-II (%)								
Mean	55	56	56	56	57	56	54	56
Highest value	98	89	98	99	99	99	89	83
Year	1978	1983	1983	1983	2003	1980	1986	1983
Lowest value	31	30	28	31	31	35	33	32
Year	2004	2004	2004	2004	2004	2004	1987	2004
Rainfall (mm)								
Mean	4.5	5.2	7.7	5.1	6.3	4.0	2.5	35.4
Highest value	25.0	50.0	58.4	90.2	84.6	56.9	40.6	193.7
Year	1994	1996	2010	1995	1983	1977	1986	1983
Evaporation (mm)								
Mean	7.4	7.4	7.4	7.4	7.2	7.1	7.2	7.3
Highest value	14.0	13.0	14.3	16.4	14.8	15.0	15.7	14.6
Year	1972	1987	1987	1972	1972	1972	1972	1972
Lowest value	2.2	0.1	0.1	0.0	0.0	0.0	1.8	3.9
Year	2000	1978	1978	1977	1980	1977	2005	2001
Wind speed (kmph)								
Mean	8.8	9.2	9.6	10.8	11.4	10.6	10.2	10.1
Highest value	17.2	20.0	21.4	32.2	30.3	26.6	29.1	24.7
Year	1972	1973	1972	1972	1972	1975	1972	1972
Lowest value	3.5	2.0	2.1	1.8	2.3	2.9	3.6	3.7
Year	2009	2001	2003	2010	2010	2005	2008	2010
Sunshine hours (h)								
Mean	5.9	5.9	5.8	5.8	5.4	5.6	5.3	5.7
Highest value	11.5	11.5	11.2	11.2	11.4	12.0	11.5	10.8
Year	1972	1979	1979	1993	1998	1992	1979	1979
Lowest value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Year	1975	1971	1986	1976	1973	1986	1989	1973

Table 31. Daily and weekly weather characteristics of meteorological week 31

Weather variable	Date: July-August							Weekly mean
	30	31	1	2	3	4	5	
	Julian Day							
	212	213	214	215	216	217	218	
Maximum Temperature (°C)								
Mean	34.6	34.5	34.6	34.3	34.1	34.5	34.3	34.4
Highest value	40.2	41.0	41.0	41.0	40.5	38.3	37.8	38.4
Year	1998	1998	1998	2002	2002	1984	1987	1998
Lowest value	26.8	28.4	29.8	26.8	26.4	29.3	30.1	30.8
Year	1986	1992	1971	1999	1999	1990	1977	1999
Minimum Temperature (°C)								
Mean	26.2	26.2	25.9	25.7	26.1	26.0	25.6	26.0
Highest value	29.6	30.5	29.5	29.0	30.0	29.3	27.8	28.5
Year	1998	1998	2002	2002	2002	1984	2001	2002
Lowest value	22.7	23.7	23.6	23.2	23.3	23.8	22.9	23.7
Year	1971	1971	1999	2006	1971	1971	2007	1971
RH-I (%)								
Mean	82	82	81	80	82	82	85	82
Highest value	100	98	98	98	97	97	98	94
Year	1971	1971	1999	1977	1990	1985	1996	2003
Lowest value	66	65	54	54	57	57	67	62
Year	1998	1990	2002	2002	2002	2002	1972	2002
RH-II (%)								
Mean	55	55	58	59	55	56	60	57
Highest value	92	98	98	95	97	93	98	77
Year	1992	1999	1999	1999	1992	2008	1988	1999
Lowest value	30	33	31	33	33	25	35	35
Year	1998	1972	1972	2002	1987	1976	1987	1972
Rainfall (mm)								
Mean	3.0	2.9	4.2	6.8	2.3	4.4	8.9	32.5
Highest value	38.2	28.6	111.0	72.7	52.9	49.6	170.0	170.0
Year	1992	1979	1999	2005	2008	1990	1996	1996
Evaporation (mm)								
Mean	7.0	7.1	6.9	6.8	6.5	6.7	6.3	6.8
Highest value	15.3	15.5	15.0	14.6	15.2	14.0	14.8	14.3
Year	1972	1987	1987	1987	1987	1972	1972	1987
Lowest value	2.2	1.8	0.1	0.0	1.2	2.5	0.0	2.9
Year	1989	1992	1999	2005	2008	2004	1996	2005
Wind speed (kmph)								
Mean	9.4	9.1	9.1	8.9	8.0	7.8	8.4	8.7
Highest value	26.4	19.8	21.3	22.4	21.4	16.9	20.3	18.4
Year	1972	1987	1987	1987	1987	1972	1972	1987
Lowest value	3.0	2.6	1.8	3.1	0.6	2.2	1.1	3.0
Year	1998	2010	2005	2010	2008	2010	2004	2010
Sunshine hours (h)								
Mean	6.0	6.0	5.7	5.8	5.9	5.1	5.3	5.7
Highest value	11.6	11.3	12.4	11.5	11.3	11.3	11.3	10.4
Year	1993	1973	1985	1972	1983	1972	1972	1972
Lowest value	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.5
Year	1989	1989	2004	1999	1977	1974	1976	1977

Table 32. Daily and weekly weather characteristics of meteorological week 32

Weather variable	Date: August							Weekly mean
	6	7	8	9	10	11	12	
	Julian Day							
	219	220	221	222	223	224	225	
Maximum Temperature (°C)								
Mean	33.5	33.5	33.6	34.0	34.2	34.2	34.6	33.9
Highest value	37.9	39.2	38.2	38.7	41.2	41.0	39.0	38.8
Year	1987	2002	1989	1987	1987	1987	1974	1987
Lowest value	27.2	26.4	27.7	27.3	28.5	29.1	29.7	29.1
Year	1996	1976	1996	1997	1994	1994	1992	1996
Minimum Temperature (°C)								
Mean	25.5	25.8	25.6	25.8	25.9	26.0	25.7	25.8
Highest value	29.2	28.6	29.0	29.9	30.2	29.3	29.3	28.1
Year	2004	1987	1998	1987	1987	1998	2009	1987
Lowest value	23.0	23.4	23.0	23.3	22.8	23.9	21.0	23.5
Year	1990	1979	1997	1996	1996	1977	1971	1996
RH-I (%)								
Mean	85	83	82	82	82	81	84	83
Highest value	98	98	96	97	96	98	98	96
Year	1976	1975	1997	1988	1988	1981	1984	1988
Lowest value	67	63	67	60	60	60	61	67
Year	1989	1987	1989	1987	1987	1974	2009	1987
RH-II (%)								
Mean	58	60	58	59	58	57	57	58
Highest value	97	99	93	98	95	98	92	79
Year	1976	1977	1997	1973	1973	1984	1984	1994
Lowest value	33	36	37	29	31	34	33	36
Year	2002	1989	1989	1987	1987	1974	1972	1989
Rainfall (mm)								
Mean	4.7	4.1	4.5	2.5	4.0	1.9	4.0	25.6
Highest value	60.8	97.4	71.0	53.1	56.5	31.2	43.2	126.2
Year	1990	1979	1997	2001	1973	1992	1971	1979
Evaporation (mm)								
Mean	6.1	6.1	6.3	6.4	6.3	6.5	6.7	6.3
Highest value	13.5	11.7	12.3	13.2	10.5	15.0	15.0	11.9
Year	1972	1972	1972	1989	1972	1987	1987	1972
Lowest value	1.5	1.6	1.2	1.1	0.0	2.0	0.0	3.3
Year	2010	1976	1979	1997	1973	1973	1971	1996
Wind speed (kmph)								
Mean	8.7	8.8	8.3	8.6	7.8	7.7	8.6	8.4
Highest value	21.0	19.2	17.4	16.7	16.8	18.1	23.0	16.1
Year	1974	1974	1976	1983	1972	1972	1972	1972
Lowest value	2.8	1.8	1.3	1.7	3.0	2.2	1.9	2.7
Year	2003	2010	2001	2001	2001	2001	1996	2001
Sunshine hours (h)								
Mean	5.4	5.7	5.9	6.8	6.6	6.0	6.9	6.2
Highest value	11.5	11.3	12.0	12.0	11.3	11.7	11.2	10.5
Year	1972	1989	1983	1986	1997	2006	1989	1989
Lowest value	0.0	0.0	0.6	0.3	0.2	0.1	0.0	2.4
Year	1976	1996	1998	1973	1973	1971	1981	1994

Table 33. Daily and weekly weather characteristics of meteorological week 33

Weather variable	Date: August							Weekly mean
	13	14	15	16	17	18	19	
	Julian Day							
	226	227	228	229	230	231	232	
Maximum Temperature (°C)								
Mean	34.2	33.3	33.8	33.8	33.3	33.7	33.8	33.7
Highest value	38.9	37.2	38.7	39.4	41.2	42.0	41.1	39.3
Year	1975	1974	1987	1987	1987	1987	1987	1987
Lowest value	27.1	26.2	27.6	27.5	25.3	27.7	25.8	29.4
Year	1981	1994	1976	1973	2004	1973	1973	1973
Minimum Temperature (°C)								
Mean	25.6	25.7	25.6	25.5	25.6	25.5	25.5	25.6
Highest value	28.1	29.2	27.7	30.5	29.5	30.3	28.4	28.8
Year	2009	1987	1987	1987	1987	1987	1988	1987
Lowest value	22.3	23.0	23.7	23.5	22.7	22.0	22.8	23.6
Year	1979	1979	1973	1989	1972	1976	1986	1979
RH-I (%)								
Mean	81	82	84	83	83	83	83	83
Highest value	98	97	100	99	98	100	97	95
Year	1994	1979	1973	1976	1989	1973	1975	1973
Lowest value	61	63	61	35	60	55	66	61
Year	2009	1987	1987	1971	1987	1987	2002	1987
RH-II (%)								
Mean	58	57	58	62	60	59	54	59
Highest value	98	97	95	96	97	98	81	86
Year	1994	1973	1973	1982	1983	1973	2006	1973
Lowest value	37	32	29	30	26	28	32	31
Year	1987	1987	1987	1987	1987	1987	1987	1987
Rainfall (mm)								
Mean	1.2	6.1	2.2	4.8	4.3	5.4	2.3	26.2
Highest value	25.0	135.0	24.6	42.7	56.4	90.7	38.8	173.8
Year	1994	1994	1973	1976	1972	1976	1973	1994
Evaporation (mm)								
Mean	6.7	6.2	6.2	6.4	5.7	5.9	6.1	6.2
Highest value	15.6	12.7	11.0	12.0	10.2	12.6	12.8	11.4
Year	1972	1972	1978	1987	1976	1987	1987	1987
Lowest value	1.1	0.0	0.0	1.1	0.0	0.0	0.0	2.7
Year	1981	1994	1973	1972	1972	1973	1972	1973
Wind speed (kmph)								
Mean	8.9	8.3	8.1	7.9	7.5	8.1	7.9	8.1
Highest value	26.9	19.2	15.3	17.9	18.2	19.6	18.7	15.4
Year	1972	1972	1972	1971	1971	1973	1973	1971
Lowest value	2.5	1.4	2.4	3.0	2.3	1.8	2.3	3.5
Year	2008	2001	2010	2001	2001	1994	1994	2010
Sunshine hours (h)								
Mean	6.5	6.8	6.3	5.7	6.4	6.4	7.5	6.5
Highest value	12.0	11.6	11.2	11.2	11.6	11.8	11.4	11.0
Year	1977	1982	1993	1987	1990	1990	1980	1980
Lowest value	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.1
Year	2004	1976	1973	1973	1972	1972	1972	1973

Table 34. Daily and weekly weather characteristics of meteorological week 34

Weather variable	Date: August							Weekly mean
	20	21	22	23	24	25	26	
	Julian Day							
	233	234	235	236	237	238	239	
Maximum Temperature (°C)								
Mean	34.4	33.9	33.8	34.3	34.6	34.4	34.4	34.3
Highest value	40.2	39.6	39.4	38.9	39.6	40.2	40.7	38.5
Year	1987	1987	1980	1980	1998	1998	1998	1998
Lowest value	30.1	25.9	26.9	25.6	28.9	26.2	28.1	28.3
Year	1976	2006	2006	2006	1975	2006	1984	2006
Minimum Temperature (°C)								
Mean	25.5	25.2	25.3	25.1	25.5	25.3	25.0	25.3
Highest value	28.0	27.3	28.0	29.4	29.5	29.5	29.5	27.7
Year	2002	1998	1980	1987	2003	1987	2000	1987
Lowest value	22.8	21.1	22.4	21.9	22.7	21.7	21.6	23.2
Year	1972	1996	1977	1972	1979	1972	1979	1972
RH-I (%)								
Mean	82	84	83	82	80	81	83	82
Highest value	99	97	96	94	98	98	97	93
Year	1984	1972	1988	1972	1994	1984	1976	1972
Lowest value	61	61	61	63	56	54	64	67
Year	2002	2002	2002	1987	2010	2010	1974	2002
RH-II (%)								
Mean	57	57	55	53	55	53	58	55
Highest value	93	90	88	86	96	83	95	80
Year	2006	1973	2006	1975	1973	1984	2003	2006
Lowest value	33	33	36	35	29	35	35	38
Year	1987	1980	1980	1998	1998	1974	2009	1980
Rainfall (mm)								
Mean	3.1	4.2	3.4	2.9	1.8	2.2	5.0	22.5
Highest value	41.6	42.8	56.0	42.9	47.4	32.2	52.6	215.4
Year	1991	1996	1972	1972	1972	1972	1998	1972
Evaporation (mm)								
Mean	6.4	6.3	5.8	6.3	6.3	6.5	6.7	6.3
Highest value	12.0	11.4	10.3	12.8	10.9	12.1	12.3	10.3
Year	1987	2002	2002	1987	1974	1974	1971	1974
Lowest value	0.0	0.7	0.0	0.0	0.0	0.0	2.0	1.1
Year	1972	2006	1972	1972	1972	1972	1984	1972
Wind speed (kmph)								
Mean	7.7	7.6	7.2	7.4	6.7	7.0	8.1	7.4
Highest value	16.2	15.5	16.5	16.8	15.5	17.5	17.5	15.2
Year	1979	1979	1974	1974	1974	1974	1975	1974
Lowest value	2.1	2.0	2.1	2.6	1.5	2.5	2.3	3.4
Year	1994	1997	1997	1998	2000	1996	2010	1997
Sunshine hours (h)								
Mean	6.7	7.2	7.0	7.9	7.7	8.0	7.4	7.4
Highest value	11.3	11.3	11.6	11.3	11.5	12.0	11.9	10.9
Year	1980	1980	1980	1999	1996	2000	2000	1980
Lowest value	0.0	0.0	0.0	0.6	0.0	0.1	0.5	2.2
Year	1972	1972	1972	1975	2006	1987	2003	2006

Table 35. Daily and weekly weather characteristics of meteorological week 35

Weather variable	Date: August-September							Weekly mean
	27	28	29	30	31	1	2	
	Julian Day							
	240	241	242	243	244	245	246	
Maximum Temperature (°C)								
Mean	33.7	33.7	33.9	34.2	34.3	34.5	34.9	34.2
Highest value	38.7	38.3	37.9	37.8	39.3	38.4	38.5	36.9
Year	2009	1993	1993	1993	1979	2002	2002	1993
Lowest value	27.7	28.2	30.0	25.8	26.2	29.5	28.5	30.9
Year	2003	2003	2003	1991	1989	1996	1991	1991
Minimum Temperature (°C)								
Mean	24.8	24.7	24.7	25.3	25.2	25.1	25.2	25.0
Highest value	29.2	27.8	27.2	27.7	27.2	28.1	28.4	27.2
Year	2000	2000	2010	1992	2010	2010	1995	2010
Lowest value	21.3	22.0	22.2	23.0	22.6	22.8	22.4	22.7
Year	1979	1978	1973	1986	2006	1986	2004	1986
RH-I (%)								
Mean	83	84	82	79	80	81	81	81
Highest value	98	100	100	96	98	97	95	93
Year	1984	1973	1973	1994	1996	1991	1976	1973
Lowest value	59	55	60	50	65	60	57	63
Year	1993	1993	1993	1979	1985	2005	2008	1993
RH-II (%)								
Mean	56	56	54	52	53	52	52	54
Highest value	98	97	94	80	87	91	87	79
Year	2003	1971	1973	1976	1976	1991	1991	1976
Lowest value	34	36	25	21	34	34	27	36
Year	1993	1993	1979	1979	2005	2005	2005	1979
Rainfall (mm)								
Mean	2.6	6.6	4.0	1.2	2.0	0.8	1.5	18.6
Highest value	27.8	72.8	54.2	22.2	31.8	16.2	29.0	161.7
Year	2009	1973	1973	1973	1992	2007	1976	1973
Evaporation (mm)								
Mean	6.1	6.0	6.1	6.4	6.3	6.5	6.4	6.3
Highest value	11.6	11.4	10.5	12.9	10.2	12.0	11.9	11.1
Year	1974	1987	1974	1974	1974	1987	1987	1974
Lowest value	1.1	0.0	0.0	0.0	3.1	2.2	1.9	2.3
Year	1976	1971	1971	1973	2009	1992	1991	1973
Wind speed (kmph)								
Mean	7.7	7.1	6.7	6.8	6.8	6.5	6.4	6.9
Highest value	16.6	16.5	16.9	14.4	16.5	16.9	17.2	15.7
Year	1972	1974	1974	2001	1976	1987	1987	1974
Lowest value	2.5	2.0	1.3	1.7	2.3	1.2	1.4	2.9
Year	1998	1996	1994	1994	1994	1992	1992	1996
Sunshine hours (h)								
Mean	7.5	7.4	7.9	7.3	7.8	8.0	8.3	7.7
Highest value	11.5	11.5	11.4	12.0	11.5	12.0	11.9	11.4
Year	1988	1988	1988	1976	1988	1971	1971	1988
Lowest value	0.6	1.0	0.0	0.6	0.6	0.0	0.7	2.9
Year	2003	1995	1991	2003	1996	1974	1991	1973

Table 36. Daily and weekly weather characteristics of meteorological week 36

Weather variable	Date: September							Weekly mean
	3	4	5	6	7	8	9	
	Julian Day							
	247	248	249	250	251	252	253	
Maximum Temperature (°C)								
Mean	34.6	34.5	34.3	34.3	34.6	34.4	34.1	34.4
Highest value	39.2	39.7	41.1	41.9	42.5	39.5	39.1	39.2
Year	2005	1988	1988	2005	2005	2004	2009	2005
Lowest value	27.5	27.9	31.1	28.9	27.3	28.1	26.0	30.7
Year	1991	1984	1983	2010	1992	1992	1976	1976
Minimum Temperature (°C)								
Mean	24.9	24.8	24.8	24.9	24.9	24.4	24.4	24.7
Highest value	27.6	27.8	27.9	28.6	30.5	27.7	27.3	27.8
Year	2009	2005	1988	2005	2005	2009	1993	2005
Lowest value	22.9	22.6	22.8	22.5	21.4	21.4	21.0	22.4
Year	1971	1978	1972	1978	1984	1972	1978	1978
RH-I (%)								
Mean	81	82	81	79	79	80	80	80
Highest value	97	95	98	98	97	97	99	96
Year	1973	1973	1973	1975	1990	1976	1976	1973
Lowest value	57	57	56	54	52	61	63	63
Year	2008	2005	2005	2005	2004	1981	1981	2004
RH-II (%)								
Mean	55	54	52	50	50	50	48	51
Highest value	98	96	96	99	93	97	84	78
Year	2007	1973	2010	1992	1992	1992	1994	1992
Lowest value	27	28	22	22	27	25	17	34
Year	2005	2005	2005	2005	2004	2004	2009	2004
Rainfall (mm)								
Mean	1.4	6.3	2.6	3.3	3.0	3.1	5.4	25.1
Highest value	18.2	68.6	37.4	48.5	42.1	35.7	83.0	196.3
Year	1973	1975	1984	1975	1976	2010	1992	1992
Evaporation (mm)								
Mean	6.6	6.5	6.3	6.4	6.3	6.6	6.6	6.5
Highest value	11.7	14.9	10.7	10.8	11.4	12.4	12.2	10.6
Year	1972	1971	1971	1988	1988	1988	1974	1987
Lowest value	1.8	0.0	0.0	0.0	0.0	0.9	0.0	1.6
Year	1991	1975	1975	1975	1975	1973	1976	1975
Wind speed (kmph)								
Mean	7.2	7.0	6.9	6.7	6.7	7.0	6.5	6.9
Highest value	17.7	17.2	15.0	14.7	13.9	16.3	14.5	12.5
Year	1972	1972	1976	1978	1978	1988	1987	1978
Lowest value	1.8	2.5	1.9	2.1	2.5	2.1	0.0	3.0
Year	2007	2007	1994	2010	1996	1996	1992	1996
Sunshine hours (h)								
Mean	8.9	8.0	8.5	8.4	8.3	8.2	8.6	8.4
Highest value	11.7	11.2	11.2	11.3	11.3	11.2	11.3	11.1
Year	1979	1986	2008	1988	1997	1989	1989	1986
Lowest value	0.0	1.8	0.0	0.3	0.0	0.0	1.2	3.5
Year	1984	1982	2010	1992	1992	1976	1997	1992

Table 37. Daily and weekly weather characteristics of meteorological week 37

Weather variable	Date: September							Weekly mean
	10	11	12	13	14	15	16	
	Julian Day							
	254	255	256	257	258	259	260	
Maximum Temperature (°C)								
Mean	34.6	34.7	34.8	35.0	35.4	35.1	35.0	34.9
Highest value	39.6	39.7	39.5	40.7	40.2	40.2	39.4	39.4
Year	2009	2009	1998	1988	1988	1988	1974	1988
Lowest value	29.6	28.2	28.0	28.1	26.7	27.7	27.3	30.1
Year	1992	1994	1994	1994	2010	1975	1984	1994
Minimum Temperature (°C)								
Mean	24.3	24.3	24.4	24.5	24.5	24.2	24.2	24.3
Highest value	27.9	27.9	27.4	28.8	28.0	27.7	27.4	26.6
Year	1999	1998	2008	1987	1995	1988	1980	2008
Lowest value	21.8	21.3	20.4	20.0	21.0	21.0	20.0	21.9
Year	1978	1992	1998	1994	1971	1976	1976	1992
RH-I (%)								
Mean	78	79	78	78	77	78	77	78
Highest value	97	98	96	96	97	95	97	94
Year	1976	1973	1973	1994	1975	1997	1984	1973
Lowest value	59	53	51	54	54	56	53	61
Year	1972	2008	1985	1974	1974	1974	1974	1985
RH-II (%)								
Mean	50	49	47	46	46	46	44	47
Highest value	96	97	84	97	90	94	81	85
Year	1975	1997	1994	2010	1975	1975	1975	1975
Lowest value	21	21	23	17	26	22	23	26
Year	2009	2002	1974	1974	1974	2002	2002	2002
Rainfall (mm)								
Mean	0.5	1.5	2.1	2.6	1.3	1.1	1.8	11.0
Highest value	9.0	19.7	29.0	78.6	34.5	24.3	30.2	153.1
Year	1973	1993	1997	2010	2010	2010	1981	2010
Evaporation (mm)								
Mean	6.7	6.7	6.7	6.7	6.9	7.1	7.0	6.8
Highest value	12.3	9.9	11.1	11.8	12.0	11.4	11.3	10.6
Year	1987	1987	2009	1985	1987	1976	2002	1987
Lowest value	3.0	1.8	1.2	0.0	0.8	0.0	1.3	2.2
Year	1975	2010	1975	2010	2010	1975	1975	2010
Wind speed (kmph)								
Mean	6.5	5.7	5.8	5.8	6.1	6.3	6.4	6.1
Highest value	13.7	11.0	11.4	17.1	12.5	11.6	15.6	10.1
Year	1987	1987	1971	1971	2002	1972	1972	1971
Lowest value	1.7	1.7	1.3	1.0	1.1	2.3	0.9	2.1
Year	1996	1997	1997	1995	2010	2010	2010	1997
Sunshine hours (h)								
Mean	8.9	8.8	8.9	9.4	8.9	9.1	9.2	9.0
Highest value	11.3	11.2	11.0	11.5	11.3	11.3	11.1	11.2
Year	1989	1988	1988	1984	1989	1989	1988	1989
Lowest value	2.2	0.2	0.8	0.0	1.0	0.3	0.4	3.0
Year	1997	1997	1994	2010	1975	1975	1975	1975

Table 38. Daily and weekly weather characteristics of meteorological week 38

Weather variable	Date: September							Weekly mean
	17	18	19	20	21	22	23	
	Julian Day							
	261	262	263	264	265	266	267	
Maximum Temperature (°C)								
Mean	35.1	35.7	35.6	36.1	36.3	36.8	36.8	36.1
Highest value	38.6	41.3	40.8	40.6	41.4	42.1	41.4	40.5
Year	1985	1987	1974	1974	1974	1974	1974	1974
Lowest value	28.1	30.7	23.3	31.8	31.5	32.0	32.5	30.7
Year	1984	1984	1975	1975	1994	1994	1976	1975
Minimum Temperature (°C)								
Mean	24.1	24.1	24.1	24.1	24.0	24.6	24.0	24.1
Highest value	29.0	29.0	28.6	27.4	27.4	28.4	28.8	27.0
Year	1987	1987	2007	1999	1999	2005	2002	1987
Lowest value	19.7	19.9	20.2	19.5	17.9	17.8	18.4	19.6
Year	1976	1976	1976	1994	1994	1994	1994	1976
RH-I (%)								
Mean	76	73	73	73	71	69	68	72
Highest value	99	98	98	96	95	94	97	92
Year	1975	1975	1994	1975	1990	1976	1976	1976
Lowest value	36	26	36	45	45	22	23	51
Year	1987	1987	1987	1974	1972	1972	1972	1971
RH-II (%)								
Mean	41	40	38	38	36	35	37	38
Highest value	68	67	70	83	62	65	95	64
Year	1994	1975	1975	1989	1975	1975	1988	1975
Lowest value	18	17	15	14	12	9	7	19
Year	1987	1987	1987	1974	1974	1972	1972	1974
Rainfall (mm)								
Mean	0.7	0.1	0.1	0.6	1.3	0.3	0.4	3.5
Highest value	10.7	3.8	5.4	12.8	47.3	4.5	16.4	48.3
Year	1998	2008	1979	1988	1990	2004	2006	1990
Evaporation (mm)								
Mean	6.7	7.0	7.2	7.2	7.2	7.3	7.3	7.1
Highest value	12.0	14.0	14.0	13.0	12.7	14.0	13.0	12.1
Year	1987	1987	1987	1987	1987	1974	1974	1987
Lowest value	1.2	2.8	3.6	4.5	4.0	3.8	4.2	4.6
Year	2005	1975	2005	1984	1997	1990	1994	2005
Wind speed (kmph)								
Mean	6.0	6.1	5.6	5.5	4.8	4.7	5.1	5.4
Highest value	14.3	13.3	11.1	10.6	9.9	8.9	11.5	9.3
Year	1972	1977	1988	1988	1988	1977	1988	1977
Lowest value	2.5	2.4	1.0	2.6	1.6	1.5	1.6	3.2
Year	2010	2010	1995	2007	2000	1991	1990	2007
Sunshine hours (h)								
Mean	9.0	9.3	9.5	9.4	9.8	9.7	8.9	9.4
Highest value	11.3	11.1	11.0	10.9	10.9	11.1	11.1	10.6
Year	1989	1985	1986	1995	1992	1992	1996	2001
Lowest value	0.4	1.6	5.9	1.6	6.1	6.1	0.3	6.5
Year	1977	1977	1972	1990	1989	1998	1988	1977

Table 39. Daily and weekly weather characteristics of meteorological week 39

Weather variable	Date: September							Weekly mean
	24	25	26	27	28	29	30	
	Julian Day							
	268	269	270	271	272	273	274	
Maximum Temperature (°C)								
Mean	36.7	36.5	36.6	36.6	36.9	37.0	37.1	36.8
Highest value	40.5	40.5	41.0	41.4	42.0	41.2	41.2	41.1
Year	2001	2001	2001	2001	2001	2001	2001	2001
Lowest value	30.8	30.5	30.9	31.6	32.1	32.8	33.1	32.7
Year	1988	1988	1988	1988	1976	1976	1976	1976
Minimum Temperature (°C)								
Mean	23.4	23.6	23.2	22.8	22.8	23.3	23.2	23.2
Highest value	28.0	28.1	27.0	25.7	27.5	28.5	27.6	26.4
Year	1987	1987	1981	1986	1999	1999	1999	1999
Lowest value	16.7	17.5	16.9	16.9	16.8	15.9	17.2	17.7
Year	1992	1972	1972	1994	1994	1994	1976	1994
RH-I (%)								
Mean	70	70	70	68	68	66	65	68
Highest value	98	92	97	92	93	89	85	89
Year	1976	1976	1988	1988	1981	1978	1997	1988
Lowest value	27	34	31	33	41	30	35	40
Year	1972	1980	1982	1972	2001	2001	1987	1972
RH-II (%)								
Mean	36	35	32	32	31	30	29	32
Highest value	77	76	82	98	57	49	57	57
Year	1988	1988	1988	1981	1981	1990	1975	1981
Lowest value	9	5	7	11	11	12	10	11
Year	1972	1972	1972	1979	2001	2001	2001	1972
Rainfall (mm)								
Mean	1.1	1.5	1.2	0.1	1.4	0.6	0.0	5.8
Highest value	14.1	38.0	32.5	3.6	54.1	23.0	0.0	94.3
Year	1988	1981	1974	1974	1981	1978		1981
Evaporation (mm)								
Mean	7.3	6.9	6.9	7.2	7.4	7.5	6.9	7.2
Highest value	12.9	12.0	12.4	15.0	13.6	15.5	11.0	11.5
Year	1972	2009	1987	1987	1987	1978	2002	1987
Lowest value	2.1	1.5	0.0	2.0	3.9	4.6	3.8	3.6
Year	1988	1988	1974	1988	1974	1981	1978	1988
Wind speed (kmph)								
Mean	5.0	4.9	5.0	4.4	4.5	4.1	4.0	4.6
Highest value	12.0	10.1	10.9	11.6	15.9	8.9	12.6	8.9
Year	1988	1976	1976	1987	1987	1980	1981	1987
Lowest value	1.1	1.4	1.5	1.0	1.2	1.2	1.0	1.6
Year	1993	1994	2001	2010	2010	2010	1992	2001
Sunshine hours (h)								
Mean	9.2	9.4	9.6	9.9	9.8	9.9	9.5	9.6
Highest value	11.0	11.2	11.1	11.1	11.0	11.0	10.8	11.0
Year	1996	1996	1996	1996	1989	1989	1983	1996
Lowest value	0.3	1.4	1.1	4.5	4.8	8.2	3.6	6.0
Year	1981	1988	2004	1981	1974	1993	1978	1981

Table 40. Daily and weekly weather characteristics of meteorological week 40

Weather variable	Date: October							Weekly mean
	1	2	3	4	5	6	7	
	Julian Day							
	275	276	277	278	279	280	281	
Maximum Temperature (°C)								
Mean	37.3	37.5	37.3	37.1	37.1	37.1	37.2	37.2
Highest value	40.5	41.7	40.9	40.5	40.7	41.0	41.0	40.6
Year	2000	2009	2002	2002	2000	2000	2002	2002
Lowest value	32.8	34.0	31.7	29.7	31.4	32.2	33.2	33.0
Year	1997	1976	1975	1975	1997	1997	1997	1975
Minimum Temperature (°C)								
Mean	22.7	23.1	23.1	22.5	22.0	21.6	22.0	22.5
Highest value	26.6	27.7	28.5	26.8	25.8	26.3	26.2	25.9
Year	2006	1988	2009	2001	2009	2008	1987	2009
Lowest value	16.8	16.8	16.6	15.7	15.4	17.1	16.0	17.4
Year	1991	1994	1994	1991	1991	1991	1991	1991
RH-I (%)								
Mean	64	62	61	61	61	60	57	61
Highest value	85	98	98	96	91	88	88	92
Year	1975	1975	1975	1975	1975	1997	1975	1975
Lowest value	35	34	34	29	33	30	27	37
Year	1987	1987	2000	1987	1973	1984	1984	1987
RH-II (%)								
Mean	27	29	29	28	25	24	24	27
Highest value	58	82	85	98	50	58	78	66
Year	1975	1975	1975	1975	1975	1973	1985	1975
Lowest value	10	10	9	10	9	10	8	11
Year	1991	2002	1991	1983	1991	1984	1984	2002
Rainfall (mm)								
Mean	0.5	0.5	0.2	0.4	0.1	0.0	0.1	1.7
Highest value	14.1	9.7	7.6	7.0	1.0	0.0	3.0	14.7
Year	1998	1986	1975	1997	1982		1982	1975
Evaporation (mm)								
Mean	7.1	6.8	7.2	7.4	7.2	7.5	7.1	7.2
Highest value	9.9	10.6	11.1	13.6	12.0	13.1	12.2	10.1
Year	1977	1971	1985	1987	1972	1972	1987	1987
Lowest value	4.3	3.5	3.0	2.9	3.4	4.3	4.3	4.4
Year	1997	1973	2004	2004	2004	1996	1975	2004
Wind speed (kmph)								
Mean	3.9	3.8	4.1	4.2	4.3	4.1	3.9	4.1
Highest value	8.3	9.0	9.3	9.0	9.1	12.7	11.1	7.2
Year	1982	1977	1977	1987	1985	1985	1985	1985
Lowest value	1.1	0.9	0.8	1.2	1.0	0.9	1.2	1.2
Year	1992	1996	1983	1994	1994	1994	1998	1994
Sunshine hours (h)								
Mean	9.6	9.5	9.5	9.7	9.9	9.8	9.7	9.7
Highest value	10.8	10.9	10.8	10.8	10.8	10.9	10.8	10.5
Year	1989	1985	1990	1989	1990	1989	1989	1990
Lowest value	5.3	1.8	3.3	3.7	7.0	5.8	0.2	7.5
Year	1999	2004	1988	1975	1996	1985	1985	1975

Table 41. Daily and weekly weather characteristics of meteorological week 41

Weather variable	Date: October							Weekly mean
	8	9	10	11	12	13	14	
	Julian Day							
	282	283	284	285	286	287	288	
Maximum Temperature (°C)								
Mean	37.0	37.1	37.0	36.9	36.7	36.6	36.9	36.9
Highest value	41.2	41.0	41.6	41.2	40.8	40.4	39.9	40.8
Year	2002	2002	2002	2002	2002	2002	1982	2002
Lowest value	28.6	30.9	31.1	31.9	32.8	32.6	33.3	32.6
Year	1985	1985	1983	1997	2004	2004	1985	1985
Minimum Temperature (°C)								
Mean	21.7	21.1	21.2	21.1	20.7	20.8	20.9	21.1
Highest value	25.4	26.4	27.0	27.7	26.0	26.4	26.2	24.4
Year	2001	1987	2002	2001	1993	1998	1998	1995
Lowest value	15.6	15.8	15.6	16.3	14.7	13.5	13.9	16.2
Year	1976	1976	1973	1973	1984	1994	1994	1994
RH-I (%)								
Mean	58	59	60	61	59	57	54	58
Highest value	90	96	90	89	89	90	82	82
Year	1985	1983	1986	1979	2001	2001	1975	1975
Lowest value	25	25	32	33	30	31	27	37
Year	1984	2001	1987	1972	1984	2003	1987	1987
RH-II (%)								
Mean	27	23	24	24	23	21	21	23
Highest value	92	66	52	43	53	47	43	45
Year	1983	1983	1997	2001	2001	1975	1971	1983
Lowest value	8	0	8	9	10	6	9	11
Year	2001	1993	1984	1978	1984	1982	2000	2002
Rainfall (mm)								
Mean	0.2	0.8	0.0	0.0	0.7	0.0	0.0	1.8
Highest value	9.4	30.4	0.0	1.5	14.6	0.0	0.0	30.4
Year	1985	1983		2000	2001			1983
Evaporation (mm)								
Mean	6.9	7.0	7.0	6.8	7.0	6.8	6.6	6.9
Highest value	10.6	10.0	11.0	12.0	14.6	12.0	9.7	11.0
Year	1976	1987	1987	1987	1987	1987	1982	1987
Lowest value	3.1	4.3	2.8	3.8	4.7	2.8	3.2	4.3
Year	1985	1997	1983	1997	2010	1997	2001	1997
Wind speed (kmph)								
Mean	3.9	3.8	3.8	3.9	3.8	3.6	3.3	3.7
Highest value	14.1	9.2	8.1	8.1	9.4	7.4	7.3	7.7
Year	1985	1985	2004	1987	1987	1987	1988	1985
Lowest value	1.2	0.9	0.9	1.0	1.0	0.8	0.5	1.3
Year	1995	1993	1996	1993	1994	1997	1996	1996
Sunshine hours (h)								
Mean	9.6	9.6	9.5	9.7	9.6	9.7	9.4	9.6
Highest value	10.8	10.6	10.8	10.8	10.9	10.8	10.6	10.7
Year	1973	1984	1973	1973	1976	1973	1973	1973
Lowest value	2.4	1.7	2.2	6.3	5.4	6.4	0.4	7.4
Year	1983	1983	2000	2004	2001	2009	1998	1983

Table 42. Daily and weekly weather characteristics of meteorological week 42

Weather variable	Date: October							Weekly mean
	15	16	17	18	19	20	21	
	Julian Day							
	289	290	291	292	293	294	295	
Maximum Temperature (°C)								
Mean	36.6	36.2	35.8	35.8	36.1	36.0	35.9	36.0
Highest value	39.6	39.7	39.0	39.3	39.6	40.0	40.0	39.0
Year	1980	1982	2000	2000	2000	2000	2000	2000
Lowest value	31.8	28.0	20.2	24.5	30.0	31.4	30.7	28.5
Year	1971	1995	1998	1998	1998	1997	1997	1998
Minimum Temperature (°C)								
Mean	20.6	19.8	19.8	19.5	19.0	18.9	19.2	19.6
Highest value	26.0	25.7	26.7	25.7	25.2	24.3	25.4	23.4
Year	2002	1987	1987	1980	2010	1982	1981	1987
Lowest value	15.6	14.8	13.4	13.5	13.8	15.0	14.6	14.7
Year	1994	1995	1994	1994	1994	2007	1994	1994
RH-I (%)								
Mean	53	53	52	56	55	51	50	53
Highest value	84	97	90	96	94	91	76	81
Year	1986	1998	1997	1998	1998	1998	1971	1998
Lowest value	25	23	27	28	32	27	25	35
Year	2000	1985	1993	1989	2007	2005	1987	1980
RH-II (%)								
Mean	21	21	21	19	18	18	19	20
Highest value	71	95	74	50	45	40	38	53
Year	1995	1998	1998	1998	1997	1998	1981	1998
Lowest value	7	7	5	5	9	8	7	9
Year	1980	2000	1980	1990	1972	2003	2009	2000
Rainfall (mm)								
Mean	0.1	1.1	0.4	0.0	0.0	0.0	0.1	1.7
Highest value	2.7	22.5	14.7	0.0	0.0	0.0	4.6	33.2
Year	1971	1997	1998				1982	1998
Evaporation (mm)								
Mean	6.7	6.8	6.8	6.7	6.4	6.6	6.8	6.7
Highest value	9.6	11.8	10.1	14.3	9.6	11.0	9.2	9.3
Year	1987	1987	1980	1977	1986	1986	1986	1987
Lowest value	4.1	1.9	1.3	1.7	3.3	3.3	3.7	3.5
Year	1971	1995	1998	1998	1998	1998	1998	1998
Wind speed (kmph)								
Mean	3.4	3.8	3.6	3.5	3.1	3.4	3.5	3.5
Highest value	7.7	10.4	10.3	9.7	7.1	9.1	9.4	7.3
Year	1971	1998	1971	1986	1987	1986	1982	1986
Lowest value	1.3	0.9	0.7	0.9	0.7	0.6	1.1	1.2
Year	2001	1994	1996	1996	1996	1996	1994	1994
Sunshine hours (h)								
Mean	9.3	9.3	9.7	9.9	9.9	10.0	9.8	9.7
Highest value	10.9	10.7	10.8	10.8	10.9	11.0	11.0	10.7
Year	1973	1988	1972	1972	1972	1985	1985	1984
Lowest value	0.2	0.0	2.1	7.4	7.1	7.5	7.9	6.0
Year	1998	1998	1998	2009	1983	1979	1993	1998

Table 43. Daily and weekly weather characteristics of meteorological week 43

Weather variable	Date: October							Weekly mean
	22	23	24	25	26	27	28	
	Julian Day							
	296	297	298	299	300	301	302	
Maximum Temperature (°C)								
Mean	35.6	35.1	34.4	34.9	35.1	35.3	35.2	35.1
Highest value	39.5	38.2	37.6	38.4	38.4	38.6	38.4	37.8
Year	2000	2000	2008	2001	1987	2001	2001	2001
Lowest value	31.4	24.7	23.3	26.5	29.0	29.9	28.8	28.9
Year	1975	1979	1979	1975	1975	1975	1997	1975
Minimum Temperature (°C)								
Mean	19.0	18.5	18.3	18.4	17.7	17.8	17.3	18.1
Highest value	23.8	23.6	22.0	23.0	22.8	23.9	21.0	22.3
Year	1995	1971	1989	1981	2006	1987	2006	2006
Lowest value	13.6	14.4	13.7	13.8	13.8	14.2	12.4	14.3
Year	1973	1973	1986	1994	2003	2003	1975	1994
RH-I (%)								
Mean	52	52	53	50	53	51	50	52
Highest value	95	96	95	96	89	83	83	84
Year	1975	1979	1976	1975	1993	1975	1997	1975
Lowest value	25	26	28	23	27	24	26	29
Year	1980	1989	1981	1972	1990	1987	1989	1990
RH-II (%)								
Mean	20	23	20	19	17	16	17	19
Highest value	64	87	56	43	39	47	48	45
Year	1979	1975	1975	1997	1997	1997	1997	1997
Lowest value	6	9	9	7	8	8	6	9
Year	2009	1972	2009	2009	1987	1983	1983	2009
Rainfall (mm)								
Mean	0.1	0.6	0.4	0.0	0.1	0.0	0.0	1.1
Highest value	5.0	8.8	11.2	0.0	2.2	0.0	0.0	16.2
Year	1979	1979	1993		1981			1979
Evaporation (mm)								
Mean	6.6	6.4	5.9	5.8	5.8	6.0	5.7	6.0
Highest value	11.6	11.8	9.6	9.6	10.5	10.3	8.6	9.4
Year	1976	1976	1971	1972	1977	1972	1972	1972
Lowest value	4.0	2.2	1.9	2.7	4.1	3.7	3.5	3.8
Year	1993	1975	1979	1975	1992	1993	1997	1997
Wind speed (kmph)								
Mean	3.8	3.6	3.7	3.0	3.1	2.9	2.7	3.3
Highest value	9.0	10.5	13.3	8.4	6.6	8.9	7.6	7.7
Year	1976	1976	1975	1972	1981	1972	1972	1972
Lowest value	1.0	0.4	0.6	0.8	0.8	0.9	0.7	0.9
Year	1994	1994	1994	1994	1994	1992	1992	1994
Sunshine hours (h)								
Mean	9.4	9.4	9.4	9.6	10.0	9.9	9.7	9.6
Highest value	10.9	10.8	10.8	10.8	10.8	10.7	10.9	10.7
Year	1985	1973	1972	1985	1990	1971	1979	1985
Lowest value	0.7	0.8	0.0	3.3	7.8	7.1	4.5	6.7
Year	1979	1996	1975	1996	1997	1978	1994	1979

Table 44. Daily and weekly weather characteristics of meteorological week 44

Weather variable	Date: October-November							Weekly mean
	29	30	31	1	2	3	4	
	Julian Day							
	303	304	305	306	307	308	309	
Maximum Temperature (°C)								
Mean	35.2	34.8	34.6	34.3	33.9	33.8	33.8	34.3
Highest value	38.7	39.4	38.4	38.6	37.4	37.2	37.3	37.7
Year	1987	2001	2001	2001	2001	2001	1979	2001
Lowest value	28.6	28.4	29.0	29.2	25.9	24.3	21.9	29.1
Year	1997	1997	1997	1981	1981	1981	1981	1981
Minimum Temperature (°C)								
Mean	17.7	17.5	17.9	17.5	17.1	17.2	16.9	17.4
Highest value	23.2	22.6	22.3	22.8	23.8	24.1	22.8	21.3
Year	1995	1982	1981	2010	1998	1998	1998	1982
Lowest value	12.2	11.8	13.7	12.0	12.0	12.1	12.2	13.1
Year	1975	1996	2005	1971	1973	1983	1973	1975
RH-I (%)								
Mean	48	49	47	48	47	48	51	48
Highest value	85	81	76	78	96	91	99	68
Year	1998	1997	1997	1981	1981	1981	1981	1981
Lowest value	28	28	20	17	21	18	17	29
Year	1989	1993	1984	1984	1987	1987	1987	1988
RH-II (%)								
Mean	17	16	18	18	19	19	18	18
Highest value	38	42	52	63	85	79	51	52
Year	1997	1997	1981	1981	1981	1981	1981	1981
Lowest value	6	6	8	7	8	7	8	9
Year	1978	2005	2002	1971	1987	1987	1987	1987
Rainfall (mm)								
Mean	0.0	0.0	0.0	0.0	0.4	0.6	0.0	1.0
Highest value	0.5	0.0	0.0	0.5	16.7	21.5	0.0	38.2
Year	1993			1980	1981	1981		1981
Evaporation (mm)								
Mean	6.0	6.0	6.0	6.0	5.9	5.6	5.9	5.9
Highest value	10.5	12.0	10.2	9.7	9.1	9.7	14.3	8.7
Year	1981	1981	1981	1987	2007	1986	1977	1987
Lowest value	3.3	3.2	3.1	3.0	2.9	3.4	1.0	3.9
Year	1997	1997	1995	1973	1981	1983	1981	1997
Wind speed (kmph)								
Mean	2.9	3.1	3.2	3.6	3.3	3.4	3.3	3.3
Highest value	8.8	11.2	10.0	10.8	11.3	18.3	11.3	10.6
Year	1981	1981	1981	1981	1981	1981	1971	1981
Lowest value	1.0	0.9	1.0	1.0	0.9	0.7	0.8	1.3
Year	1992	1998	2005	1995	1992	1994	1994	1999
Sunshine hours (h)								
Mean	9.7	9.8	9.6	9.7	9.4	9.4	9.7	9.6
Highest value	10.8	10.6	10.6	10.6	10.6	10.6	10.8	10.5
Year	1979	1971	1971	1975	1995	1995	1980	1975
Lowest value	3.6	7.3	2.9	2.9	0.7	0.2	4.1	4.1
Year	2010	1980	1981	1981	1981	1981	1981	1981

Table 45. Daily and weekly weather characteristics of meteorological week 45

Weather variable	Date: November							Weekly mean
	5	6	7	8	9	10	11	
	Julian Day							
	310	311	312	313	314	315	316	
Maximum Temperature (°C)								
Mean	33.6	33.7	33.5	32.9	32.4	32.6	32.6	33.0
Highest value	37.3	36.2	37.0	35.7	36.0	36.6	36.6	35.7
Year	1977	2002	2007	2007	2008	1993	1993	2007
Lowest value	25.0	28.7	29.2	24.4	25.2	25.6	28.6	29.5
Year	1981	1981	1981	1976	1982	1982	1982	1981
Minimum Temperature (°C)								
Mean	16.6	16.8	16.9	16.5	16.3	16.6	15.9	16.5
Highest value	22.0	22.0	21.2	22.5	22.0	22.0	23.0	20.3
Year	1998	2002	1982	1982	2010	1978	1978	2002
Lowest value	11.5	12.0	12.1	9.5	9.6	9.3	11.0	12.3
Year	1981	1981	1971	1983	1983	1983	2003	1983
RH-I (%)								
Mean	48	47	47	50	50	47	53	49
Highest value	94	90	87	95	91	91	89	82
Year	1981	1981	1981	1976	1976	1976	1982	1981
Lowest value	24	23	28	22	20	23	21	25
Year	1985	1971	1987	1987	1987	1987	1978	1987
RH-II (%)								
Mean	17	17	20	20	20	19	21	19
Highest value	35	36	99	63	58	49	70	45
Year	1986	1986	1976	1976	1982	2010	2010	1976
Lowest value	9	5	6	7	7	7	8	7
Year	1985	1987	1987	1987	1987	1987	1987	1987
Rainfall (mm)								
Mean	0.0	0.0	0.8	0.0	0.0	0.0	0.6	1.4
Highest value	0.0	0.0	31.0	0.0	0.0	0.0	24.6	31.0
Year			1976				2010	1976
Evaporation (mm)								
Mean	5.6	5.5	5.3	5.4	5.1	5.4	5.4	5.4
Highest value	10.8	11.1	8.5	9.4	9.1	8.3	9.3	7.7
Year	1971	1971	1989	1978	1978	1978	1973	1978
Lowest value	2.2	2.1	2.1	3.3	1.8	3.3	2.9	3.0
Year	1981	1981	1976	2006	1982	2005	1981	1981
Wind speed (kmph)								
Mean	3.3	3.0	3.1	3.2	3.4	3.5	3.3	3.2
Highest value	14.0	11.7	8.6	9.6	17.1	14.8	10.7	8.5
Year	1971	1971	1976	1978	1982	1982	1979	1982
Lowest value	0.9	0.7	0.8	1.1	0.7	0.7	0.6	1.1
Year	1994	1995	1996	1996	1992	1992	1992	1992
Sunshine hours (h)								
Mean	9.8	9.6	9.4	9.2	9.5	9.5	9.1	9.4
Highest value	10.6	10.6	10.6	10.5	10.5	10.4	10.6	10.4
Year	1980	1980	1980	1972	1972	1973	1990	1973
Lowest value	8.0	3.3	1.5	0.0	3.0	5.2	1.5	5.3
Year	2006	2002	1976	1982	2002	2002	2010	2002

Table 46. Daily and weekly weather characteristics of meteorological week 46

Weather variable	Date: November							Weekly mean
	12	13	14	15	16	17	18	
	Julian Day							
	317	318	319	320	321	322	323	
Maximum Temperature (°C)								
Mean	32.2	31.5	31.5	31.7	31.7	31.7	31.3	31.7
Highest value	35.5	35.1	36.0	34.6	34.5	35.2	34.5	34.3
Year	2007	1989	1989	1999	2004	2000	2004	1999
Lowest value	25.6	23.0	23.0	26.7	27.7	26.4	22.2	27.4
Year	2002	1978	2009	1981	1981	1993	1979	2009
Minimum Temperature (°C)								
Mean	16.2	16.0	15.9	16.1	15.7	15.7	15.9	16.0
Highest value	22.2	22.0	21.1	22.2	21.7	21.9	20.2	21.4
Year	2010	1976	1987	2010	2010	2010	1972	2010
Lowest value	11.2	10.5	10.8	10.2	10.6	6.2	6.5	11.2
Year	1983	1975	1983	1983	1973	1996	1996	1983
RH-I (%)								
Mean	52	54	54	52	52	52	53	52
Highest value	98	96	89	91	86	77	91	89
Year	1978	2010	2009	2010	2010	2010	2010	2010
Lowest value	22	23	27	27	28	20	23	25
Year	2009	1987	1987	1989	1987	1987	1987	1987
RH-II (%)								
Mean	23	23	22	21	21	25	23	23
Highest value	93	93	61	53	59	88	78	61
Year	1978	2010	2010	2010	1993	1976	1979	2010
Lowest value	7	4	8	9	8	3	6	6
Year	1987	1987	1987	1987	1987	1987	1987	1987
Rainfall (mm)								
Mean	0.3	0.3	0.0	0.0	0.0	0.1	0.0	0.7
Highest value	8.5	10.2	1.7	0.0	0.0	1.6	1.7	12.2
Year	2010	1978	2010			1993	1976	1978
Evaporation (mm)								
Mean	5.1	4.9	4.9	4.8	4.8	4.8	4.6	4.8
Highest value	8.1	9.6	9.3	8.9	9.0	9.3	7.7	7.5
Year	1979	1979	1987	1979	1979	1980	1977	1980
Lowest value	1.7	1.6	1.0	2.1	2.8	2.0	1.6	2.1
Year	2010	1978	2010	2010	2010	1993	1979	2010
Wind speed (kmph)								
Mean	3.5	3.6	3.4	3.2	3.3	3.3	3.4	3.4
Highest value	12.4	12.1	10.3	9.7	14.0	12.7	11.9	11.9
Year	1979	1979	1979	1979	1979	1979	1979	1979
Lowest value	0.7	0.7	0.7	0.6	1.0	0.7	0.5	1.0
Year	1992	1995	1993	1995	1997	1990	1996	1995
Sunshine hours (h)								
Mean	9.1	8.9	9.3	9.2	9.1	8.5	9.1	9.0
Highest value	10.3	10.4	10.5	10.5	10.5	10.5	10.3	10.4
Year	1972	1972	1972	1973	1973	1973	1973	1973
Lowest value	1.9	0.0	2.7	0.9	1.4	0.0	0.0	5.4
Year	1978	2009	2009	1993	1993	1976	1979	2010

Table 47. Daily and weekly weather characteristics of meteorological week 47

Weather variable	Date: November							Weekly mean
	19	20	21	22	23	24	25	
	Julian Day							
	324	325	326	327	328	329	330	
Maximum Temperature (°C)								
Mean	31.1	31.0	30.5	30.6	30.1	29.8	29.1	30.3
Highest value	34.9	34.6	35.5	35.0	34.4	34.4	33.2	34.4
Year	2004	1989	2001	2001	2004	2004	2004	2004
Lowest value	23.1	25.5	25.5	24.0	24.2	19.0	19.6	26.0
Year	1979	2003	2003	1979	1976	2010	2010	2010
Minimum Temperature (°C)								
Mean	15.6	14.5	14.3	14.4	14.5	14.5	14.1	14.6
Highest value	20.4	19.7	19.0	19.6	19.3	20.0	19.2	18.7
Year	1977	1982	1980	1978	1979	2002	1976	1977
Lowest value	7.7	6.6	10.0	8.7	10.9	9.9	9.0	10.7
Year	1996	1996	1973	1975	1981	1988	1993	1996
RH-I (%)								
Mean	52	50	54	51	53	54	54	53
Highest value	88	93	92	85	87	94	96	86
Year	2010	1990	1976	1979	2010	1979	2010	2010
Lowest value	18	27	24	24	21	25	26	32
Year	1987	1971	1980	1980	1978	1982	2002	1987
RH-II (%)								
Mean	21	22	22	24	23	25	23	23
Highest value	45	90	79	80	78	84	76	65
Year	1976	1976	1979	2010	2010	2010	2010	1976
Lowest value	9	6	8	5	7	9	11	9
Year	1987	2008	1975	1986	1987	1987	1986	1987
Rainfall (mm)								
Mean	0.0	0.0	0.6	0.0	0.1	0.0	0.2	1.0
Highest value	0.8	0.0	21.9	0.2	4.7	0.2	9.0	21.9
Year	1997		1976	1979	2010	2010	1997	1976
Evaporation (mm)								
Mean	4.7	4.7	4.6	4.4	4.5	4.6	4.4	4.5
Highest value	7.9	7.2	8.7	6.9	8.8	7.8	8.2	6.9
Year	1977	1975	1977	1977	1978	1986	1978	1977
Lowest value	1.4	3.0	2.5	2.2	2.2	1.2	0.7	2.4
Year	1997	1990	1976	1979	1997	2010	2010	2010
Wind speed (kmph)								
Mean	3.5	3.5	3.3	3.3	3.7	4.0	4.0	3.6
Highest value	8.4	9.8	11.4	10.4	11.3	12.9	13.8	9.3
Year	1977	1976	1976	1977	1976	1972	1972	1976
Lowest value	0.7	0.7	0.5	0.8	1.0	0.8	0.9	1.0
Year	1996	1994	1994	1995	1998	1998	2007	2007
Sunshine hours (h)								
Mean	9.2	9.3	9.2	8.8	9.0	8.3	8.9	9.0
Highest value	10.7	10.2	10.3	10.4	10.4	10.2	10.2	10.2
Year	1981	1973	1973	1973	1975	1978	1984	1973
Lowest value	0.0	1.4	2.6	0.0	0.0	0.0	1.1	4.0
Year	1979	1976	1979	2010	2010	2010	2010	2010

Table 48. Daily and weekly weather characteristics of meteorological week 48

Weather variable	Date: November-December							Weekly mean
	26	27	28	29	30	1	2	
	Julian Day							
	331	332	333	334	335	336	337	
Maximum Temperature (°C)								
Mean	29.2	29.0	28.7	28.3	28.4	28.5	28.3	28.6
Highest value	32.9	33.2	32.5	31.5	32.8	33.5	32.7	32.0
Year	2004	2008	2008	2002	1999	1993	1993	1993
Lowest value	23.7	22.2	23.9	23.3	23.1	23.7	22.5	24.4
Year	2010	1997	1972	1972	1986	1995	1995	1997
Minimum Temperature (°C)								
Mean	13.4	13.4	13.3	13.2	13.2	12.9	13.0	13.2
Highest value	18.2	19.7	19.6	17.5	17.9	19.4	18.2	17.4
Year	1977	1979	1977	1977	1985	1985	2007	1985
Lowest value	8.6	7.6	8.6	8.8	8.4	8.1	7.3	9.4
Year	1978	1978	1994	1994	1990	1975	2000	1994
RH-I (%)								
Mean	52	53	54	52	49	53	51	52
Highest value	96	88	88	96	84	92	91	85
Year	2010	1997	1977	1979	2007	1978	1978	1994
Lowest value	31	27	22	15	21	29	21	32
Year	1985	1988	1978	1978	1987	2003	2005	1985
RH-II (%)								
Mean	21	20	21	21	20	21	20	21
Highest value	48	58	63	46	51	42	34	45
Year	1997	1979	1979	1979	1997	1994	2010	1979
Lowest value	10	7	8	7	11	10	8	13
Year	1988	1978	1978	1987	1987	1991	2000	2001
Rainfall (mm)								
Mean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Highest value	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
Year			2000					2000
Evaporation (mm)								
Mean	4.5	4.4	4.4	4.2	4.2	4.5	4.4	4.4
Highest value	7.7	7.2	7.9	7.1	7.4	8.1	8.9	6.3
Year	1979	1979	1985	1978	1989	1982	1982	1985
Lowest value	0.6	1.7	2.7	1.9	2.7	2.1	1.6	2.5
Year	2010	1997	1976	1977	1994	1997	1994	1997
Wind speed (kmph)								
Mean	3.7	3.7	3.9	3.8	3.5	3.6	3.7	3.7
Highest value	13.5	10.0	11.1	8.9	8.7	11.2	9.5	8.6
Year	1972	1989	1979	1972	1989	1989	1989	1989
Lowest value	0.8	0.6	0.5	0.8	0.7	0.7	0.6	0.9
Year	1996	1996	1993	1993	1993	2001	1990	1993
Sunshine hours (h)								
Mean	8.9	9.4	9.1	9.2	9.0	9.0	9.3	9.1
Highest value	10.1	10.2	10.2	10.2	10.1	10.1	10.1	10.1
Year	1973	1973	1984	1972	1972	1972	1972	1972
Lowest value	0.1	4.6	2.8	3.9	0.0	5.2	6.5	7.1
Year	1991	2000	1979	1979	2008	2008	2004	2008

Table 49. Daily and weekly weather characteristics of meteorological week 49

Weather variable	Date: December							Weekly mean
	3	4	5	6	7	8	9	
	Julian Day							
	338	339	340	341	342	343	344	
Maximum Temperature (°C)								
Mean	28.3	28.4	28.1	28.3	28.2	28.0	28.0	28.2
Highest value	31.1	32.6	33.2	34.0	32.0	32.6	33.5	32.3
Year	1990	2008	2008	2008	2001	2003	2008	2008
Lowest value	24.0	22.1	23.6	23.4	24.3	21.5	21.8	24.7
Year	1997	1978	1978	1973	1973	2006	2006	1973
Minimum Temperature (°C)								
Mean	13.2	13.2	12.6	12.9	12.7	12.0	12.0	12.7
Highest value	17.5	18.3	19.7	20.4	21.1	17.3	16.9	18.2
Year	2004	2008	2008	2008	2008	2008	2008	2008
Lowest value	8.0	9.1	7.7	8.6	7.8	5.3	5.6	9.8
Year	2000	2000	1973	2000	1975	1975	1996	2000
RH-I (%)								
Mean	50	50	49	48	49	52	52	50
Highest value	86	77	86	82	92	95	93	84
Year	1994	1994	1994	1994	1997	1997	1997	1994
Lowest value	22	23	15	8	24	17	20	27
Year	2005	1986	1987	1987	1980	1985	1980	1987
RH-II (%)								
Mean	20	20	20	20	20	20	22	20
Highest value	35	39	45	56	58	64	55	48
Year	2010	2006	1996	1997	1997	1997	1997	1997
Lowest value	7	8	6	4	6	6	6	10
Year	2000	1986	1987	1987	1986	1980	1980	1986
Rainfall (mm)								
Mean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Highest value	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
Year				2008				2008
Evaporation (mm)								
Mean	4.4	4.3	4.3	4.2	4.3	4.2	4.0	4.2
Highest value	7.4	8.0	8.8	6.9	8.0	7.7	7.0	7.4
Year	1989	1987	1987	1981	1987	1987	1976	1987
Lowest value	2.5	2.5	2.7	2.9	2.0	1.7	1.4	2.6
Year	1994	1992	1994	2001	2010	1997	1997	1997
Wind speed (kmph)								
Mean	4.2	4.2	3.5	3.8	3.7	3.6	3.4	3.8
Highest value	11.8	15.2	14.3	10.2	10.6	9.0	11.1	10.1
Year	1978	1987	1987	1973	1979	1987	1973	1987
Lowest value	0.5	0.6	0.5	0.6	0.9	0.9	0.7	0.8
Year	2001	2001	2001	2001	2001	1998	1998	2001
Sunshine hours (h)								
Mean	9.2	9.1	9.1	9.0	8.7	8.7	9.0	9.0
Highest value	10.3	10.1	10.0	10.0	10.0	10.1	10.1	10.0
Year	1980	1972	1972	1971	1971	1971	1971	1971
Lowest value	5.0	1.1	4.5	3.8	1.2	3.1	5.7	4.6
Year	2004	2006	2006	2008	2006	2006	1982	2006

Table 50. Daily and weekly weather characteristics of meteorological week 50

Weather variable	Date: December							Weekly mean
	10	11	12	13	14	15	16	
	Julian Day							
	345	346	347	348	349	350	351	
Maximum Temperature (°C)								
Mean	27.5	27.2	26.7	26.8	26.8	27.1	27.5	27.1
Highest value	33.0	31.8	31.0	31.3	31.2	31.5	31.8	30.9
Year	2001	2001	2001	1984	2000	2000	2002	1991
Lowest value	21.4	22.6	20.7	20.4	18.9	18.1	19.4	23.4
Year	1985	1985	1994	2007	1986	1986	1986	2007
Minimum Temperature (°C)								
Mean	11.7	11.9	11.5	12.0	11.5	11.6	11.8	11.7
Highest value	16.2	18.8	17.5	17.0	17.4	17.3	17.0	16.4
Year	1988	1987	2009	2002	2002	2009	2009	2009
Lowest value	7.3	2.2	1.8	1.7	-0.2	4.9	6.4	5.4
Year	1975	1994	1994	1994	1986	1986	1994	1994
RH-I (%)								
Mean	56	56	59	58	55	57	58	57
Highest value	97	92	94	98	92	88	92	91
Year	1997	1997	1987	1987	1997	1997	2003	1997
Lowest value	29	26	16	24	24	23	29	34
Year	1971	1996	2005	1984	2005	1986	1984	2005
RH-II (%)								
Mean	24	23	24	23	23	24	25	24
Highest value	49	77	63	54	53	59	86	40
Year	2008	1987	1987	1994	1994	1994	2008	2008
Lowest value	9	8	12	8	8	10	8	11
Year	1971	1996	1975	1986	1980	1975	1984	1996
Rainfall (mm)								
Mean	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
Highest value	0.0	0.0	7.5	0.0	0.0	0.0	0.0	7.5
Year			1987					1987
Evaporation (mm)								
Mean	4.0	3.9	4.0	4.0	3.9	3.8	3.8	3.9
Highest value	7.0	7.0	6.5	6.9	7.4	7.3	6.9	5.7
Year	1988	1985	1985	1984	1989	1982	1982	1982
Lowest value	1.8	2.4	2.4	1.9	2.1	1.8	1.6	2.6
Year	1997	2006	1984	1987	2003	1992	1994	2010
Wind speed (kmph)								
Mean	4.0	3.8	3.9	4.3	3.9	3.5	3.7	3.9
Highest value	10.3	12.9	12.2	12.2	11.4	12.3	12.1	10.3
Year	1972	1985	1985	1985	1989	1982	1982	1985
Lowest value	0.4	0.3	0.4	0.8	0.7	0.8	0.7	1.0
Year	1998	1998	1998	1996	2000	1996	1996	1996
Sunshine hours (h)								
Mean	8.7	8.5	8.7	8.9	8.8	8.5	8.5	8.6
Highest value	10.0	10.0	10.1	10.0	10.0	9.9	10.0	10.0
Year	1971	1971	1971	1971	1972	1971	1975	1971
Lowest value	4.3	1.0	0.0	6.5	5.3	3.6	0.0	6.3
Year	2009	1988	1987	1973	2009	1998	2008	2009

Table 51. Daily and weekly weather characteristics of meteorological week 51

Weather variable	Date: December							Weekly mean
	17	18	19	20	21	22	23	
	Julian Day							
	352	353	354	355	356	357	358	
Maximum Temperature (°C)								
Mean	26.9	26.8	26.9	26.9	26.4	26.3	26.1	26.6
Highest value	34.0	33.0	31.6	30.2	30.6	29.9	30.3	31.2
Year	2002	2002	2004	1998	1980	1980	2002	2002
Lowest value	18.7	18.8	18.9	20.5	20.1	20.0	20.0	20.3
Year	1973	1986	1986	1986	1986	1989	1989	1986
Minimum Temperature (°C)								
Mean	11.9	11.7	12.1	11.5	12.1	12.1	11.2	11.8
Highest value	16.6	16.3	19.4	18.8	15.8	17.5	15.7	15.6
Year	1985	1982	2008	2008	2008	1971	1979	2008
Lowest value	6.8	6.5	7.2	5.8	6.4	6.0	3.2	7.6
Year	1994	2010	1986	1990	2010	2010	1973	1973
RH-I (%)								
Mean	58	56	52	59	58	58	60	57
Highest value	90	88	91	97	89	95	97	86
Year	1997	1997	1997	1997	1989	1989	1980	1997
Lowest value	23	19	19	30	33	33	33	43
Year	1980	1980	1980	1984	1980	1978	1972	1975
RH-II (%)								
Mean	24	22	23	25	26	28	27	25
Highest value	49	42	39	47	55	76	61	39
Year	1997	1990	2008	2008	2008	1980	1980	2008
Lowest value	11	6	5	9	11	12	15	15
Year	1980	1980	1980	1980	1976	1986	1985	1985
Rainfall (mm)								
Mean	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5
Highest value	1.8	1.7	0.0	0.0	0.0	5.6	9.0	14.6
Year	2008	2008				1980	1980	1980
Evaporation (mm)								
Mean	4.1	4.1	4.0	4.2	4.0	3.9	3.9	4.0
Highest value	9.0	7.1	7.6	8.3	8.0	5.8	6.9	5.9
Year	1973	1972	1975	1978	1978	1976	1976	1981
Lowest value	2.0	2.1	2.5	2.1	2.2	1.8	1.6	2.4
Year	2008	1997	1997	2005	1997	1988	1989	1997
Wind speed (kmph)								
Mean	4.2	4.5	4.1	4.6	4.6	4.3	4.4	4.4
Highest value	11.6	12.6	11.6	14.0	11.5	8.6	9.6	9.0
Year	1986	1973	1981	1972	1978	1979	1976	1972
Lowest value	0.7	0.6	0.6	0.7	1.0	0.3	1.0	1.2
Year	1996	1992	1999	1999	2007	2006	1993	1996
Sunshine hours (h)								
Mean	8.6	8.7	8.6	8.3	8.2	8.4	8.0	8.4
Highest value	10.0	10.0	10.0	10.0	9.9	10.0	9.9	9.5
Year	1971	1971	1971	1971	1971	1972	1972	1994
Lowest value	3.5	3.7	0.9	1.7	3.0	3.9	0.0	4.8
Year	2008	2008	2008	2008	1976	1980	2007	2008

Table 52. Daily and weekly weather characteristics of meteorological week 52

Weather variable	Date: December								Weekly mean
	24	25	26	27	28	29	30	31	
	Julian Day								
	359	360	361	362	363	364	365	366	
Maximum Temperature (°C)									
Mean	26.0	25.7	25.5	25.4	25.3	25.0	25.2	24.9	25.4
Highest value	29.4	30.0	30.0	29.7	29.4	29.8	30.0	29.0	28.6
Year	1985	1996	2008	1994	1990	1990	2000	1992	1992
Lowest value	20.7	18.1	17.3	19.1	18.8	20.1	19.2	17.5	20.2
Year	1980	1980	1980	1989	1980	2010	1972	1990	1980
Minimum Temperature (°C)									
Mean	11.4	11.3	10.7	11.3	10.8	10.9	10.9	11.0	11.0
Highest value	15.7	16.0	16.9	15.6	16.1	16.4	15.4	18.0	14.0
Year	1976	2006	2006	1982	1981	1979	2000	2004	1981
Lowest value	6.1	7.5	3.9	3.4	3.1	2.8	1.3	2.0	7.5
Year	2005	2010	1983	1983	1983	1973	1990	1990	1983
RH-I (%)									
Mean	58	58	64	58	63	58	58	56	59
Highest value	93	90	96	95	93	98	96	97	87
Year	1980	1980	1980	1992	1982	1980	2010	2010	1980
Lowest value	32	23	36	25	29	31	29	24	41
Year	1981	1996	1982	1978	1978	1984	2007	1986	1978
RH-II (%)									
Mean	27	26	27	27	27	26	26	24	26
Highest value	72	73	68	66	70	66	50	54	57
Year	1980	1980	1985	1980	2010	2010	1995	2002	1980
Lowest value	12	11	8	11	8	11	11	10	12
Year	1985	1985	1978	1978	1978	1973	1972	1973	1978
Rainfall (mm)									
Mean	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.3	0.8
Highest value	0.6	0.0	0.2	0.0	3.1	14.2	0.0	11.5	17.3
Year	1991		2006		2010	2010		2002	2010
Evaporation (mm)									
Mean	3.9	3.7	3.9	3.8	3.9	3.8	3.7	3.8	3.8
Highest value	7.7	6.0	7.1	7.1	6.8	6.9	5.8	6.7	6.1
Year	1979	1988	1979	1979	1976	1973	1978	1979	1979
Lowest value	1.3	1.4	1.0	2.1	2.1	2.0	0.2	1.2	2.2
Year	2007	1980	1980	1980	1980	1996	2010	2004	1980
Wind speed (kmph)									
Mean	4.3	4.4	4.3	4.5	4.9	4.6	4.3	4.1	4.4
Highest value	14.3	12.2	11.6	10.3	11.6	13.0	12.3	9.3	10.2
Year	1983	1988	1979	1984	1984	1972	1980	1984	1984
Lowest value	1.0	0.7	0.6	0.8	0.9	0.7	0.9	0.7	1.3
Year	1992	1992	1992	1998	1998	2005	1996	1992	1992
Sunshine hours (h)									
Mean	8.3	8.3	8.5	8.9	8.8	8.5	8.3	8.5	8.5
Highest value	10.0	9.9	10.0	10.0	10.0	10.0	10.1	10.1	9.9
Year	1973	1982	1973	1973	1973	1973	1973	1973	1973
Lowest value	3.6	3.0	1.9	4.3	0.4	2.2	0.0	0.3	5.2
Year	1999	2006	1985	1982	2010	2004	2004	2004	2004

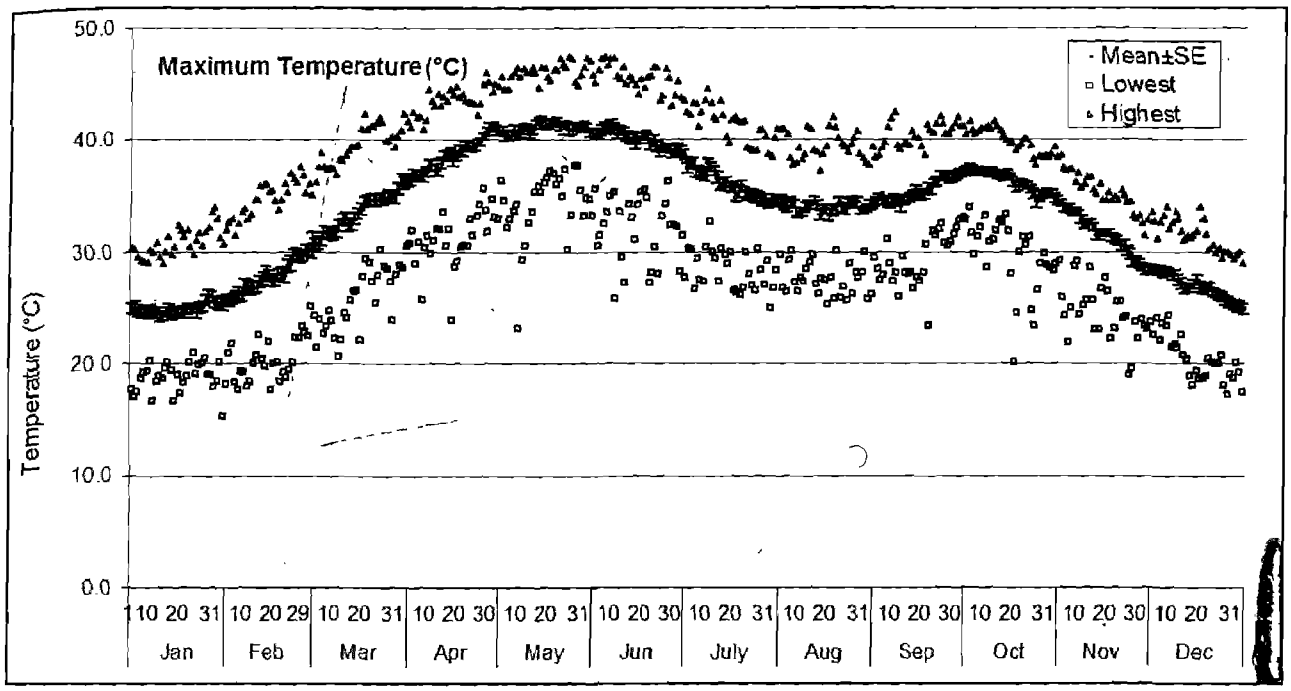


Fig. 1. Daily mean±SE, highest and lowest maximum temperature (°C).

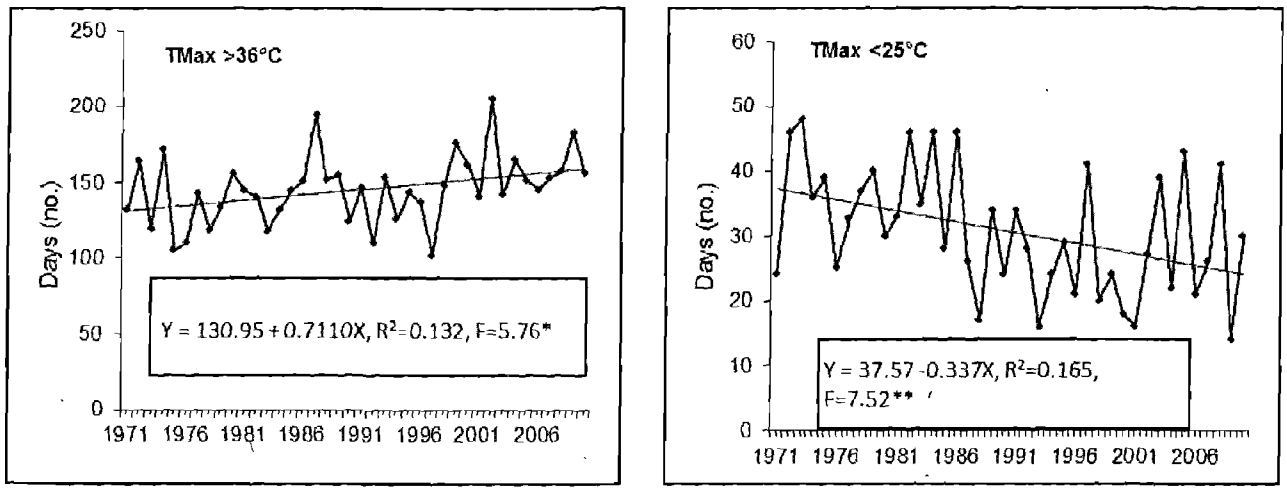


Fig. 2. Number of days in a year with maximum temperature above 36°C (left) and below 25°C (right).

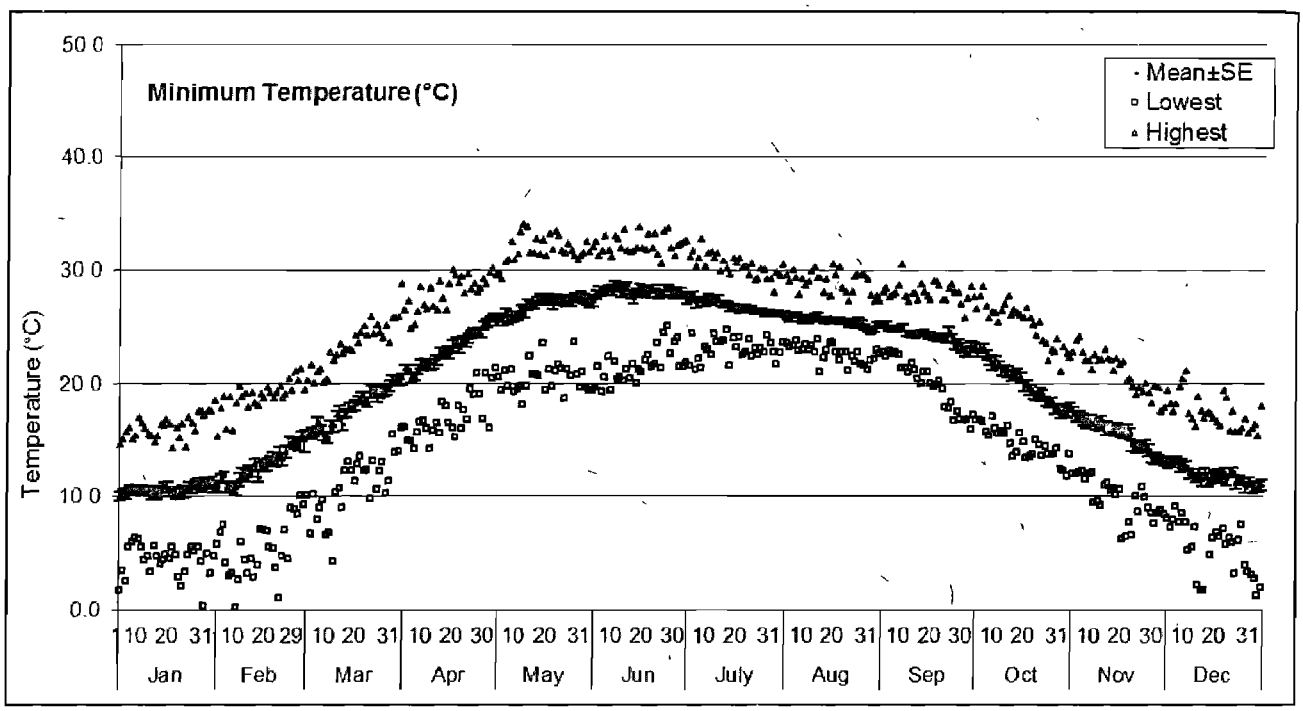


Fig. 3. Daily mean±SE, highest and lowest minimum temperature (°C).

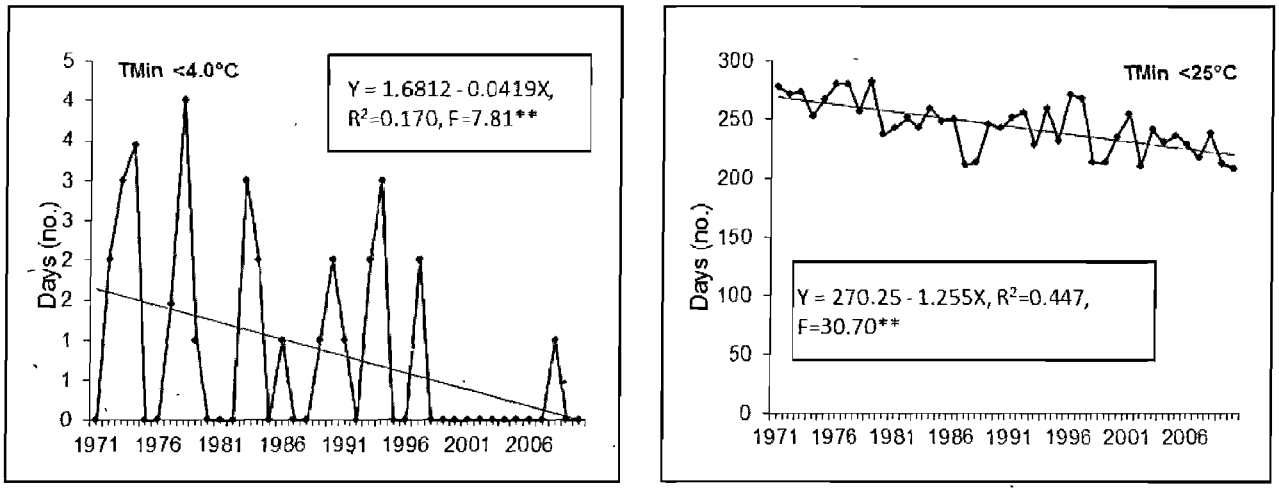


Fig. 4. Number of days in a year with minimum temperature below 4°C (left) and below 25°C (right).

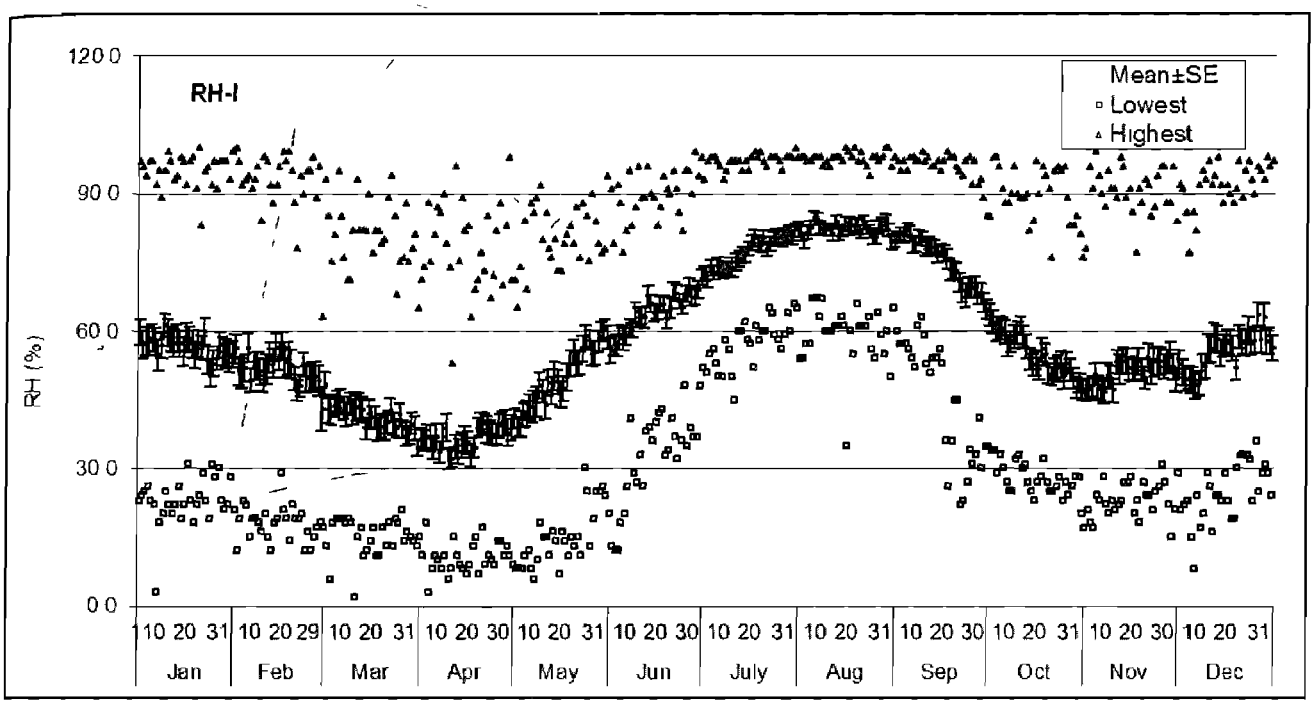


Fig. 5. Daily mean±SE, highest and lowest RH-I (%).

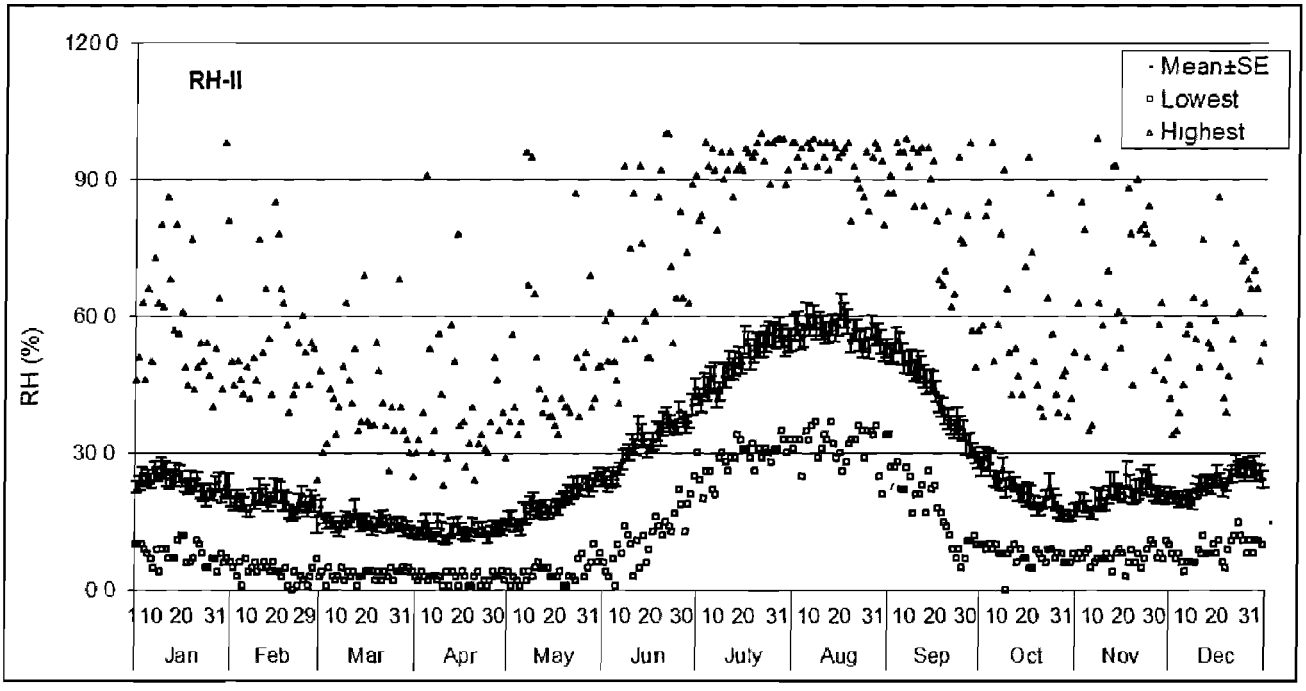


Fig. 6. Daily mean±SE, highest and lowest RH-II (%).

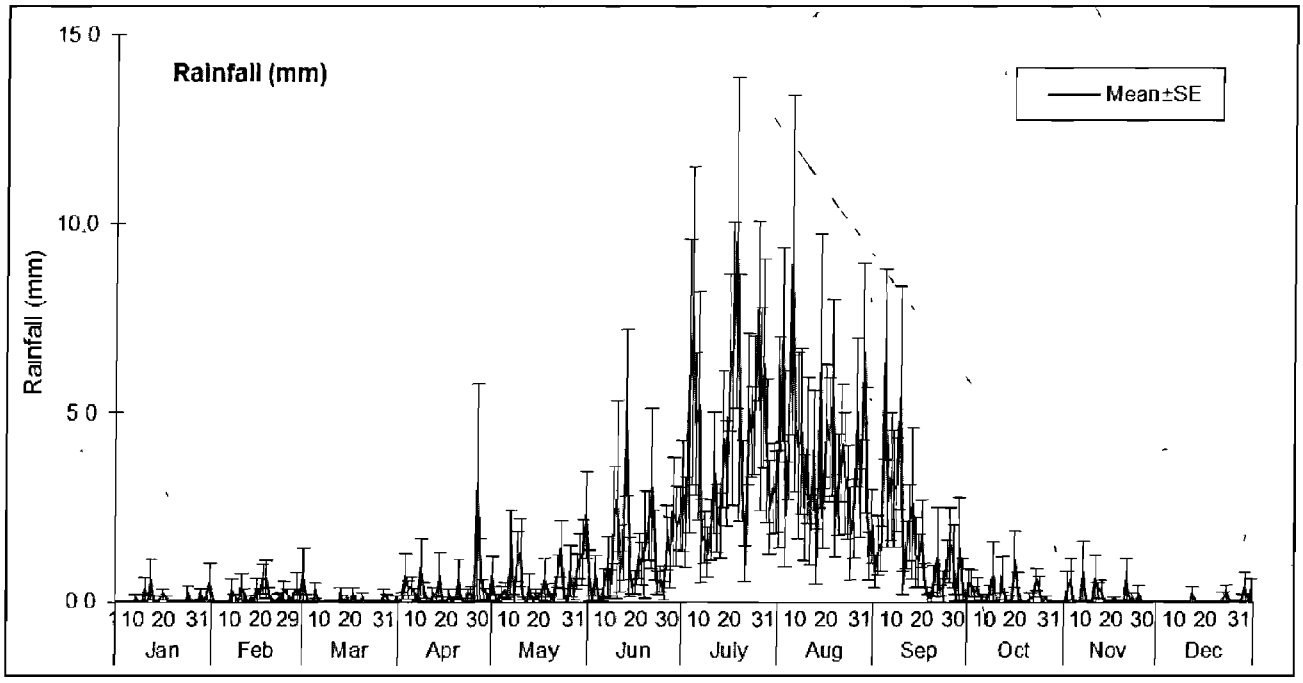


Fig. 7. Daily mean(±SE) rainfall (mm).

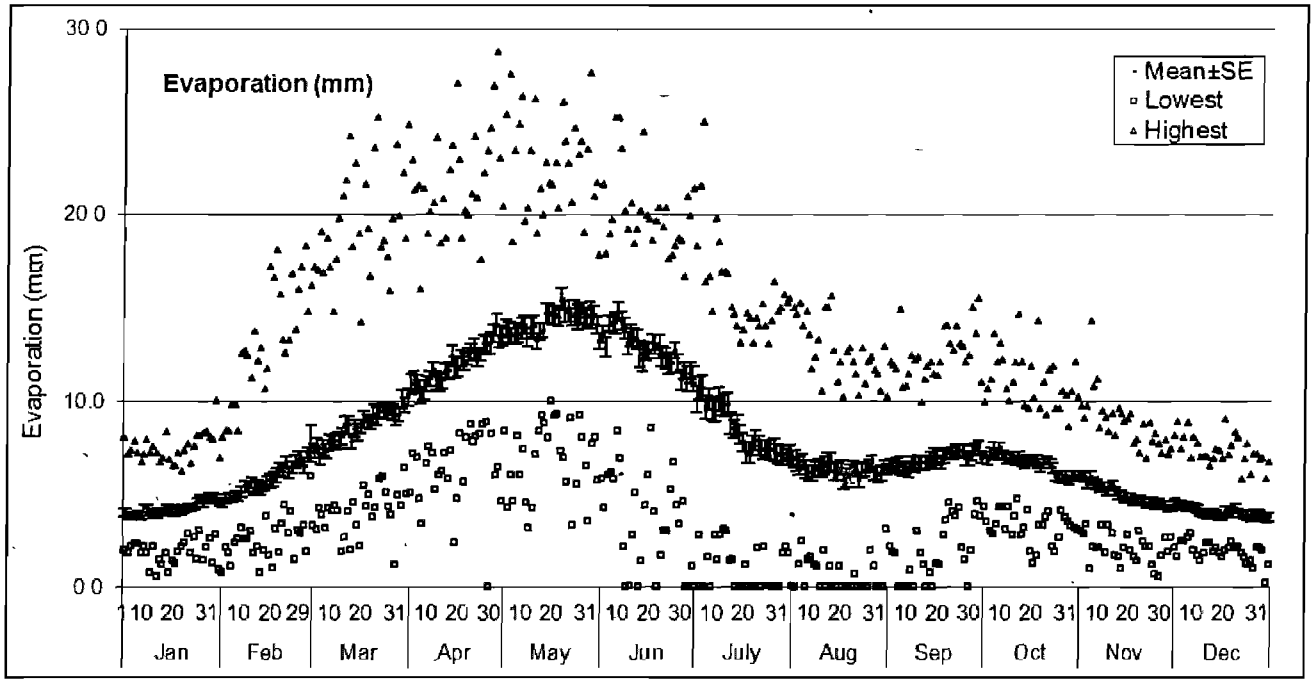


Fig. 8. Daily mean±SE, highest and lowest evaporation (mm).

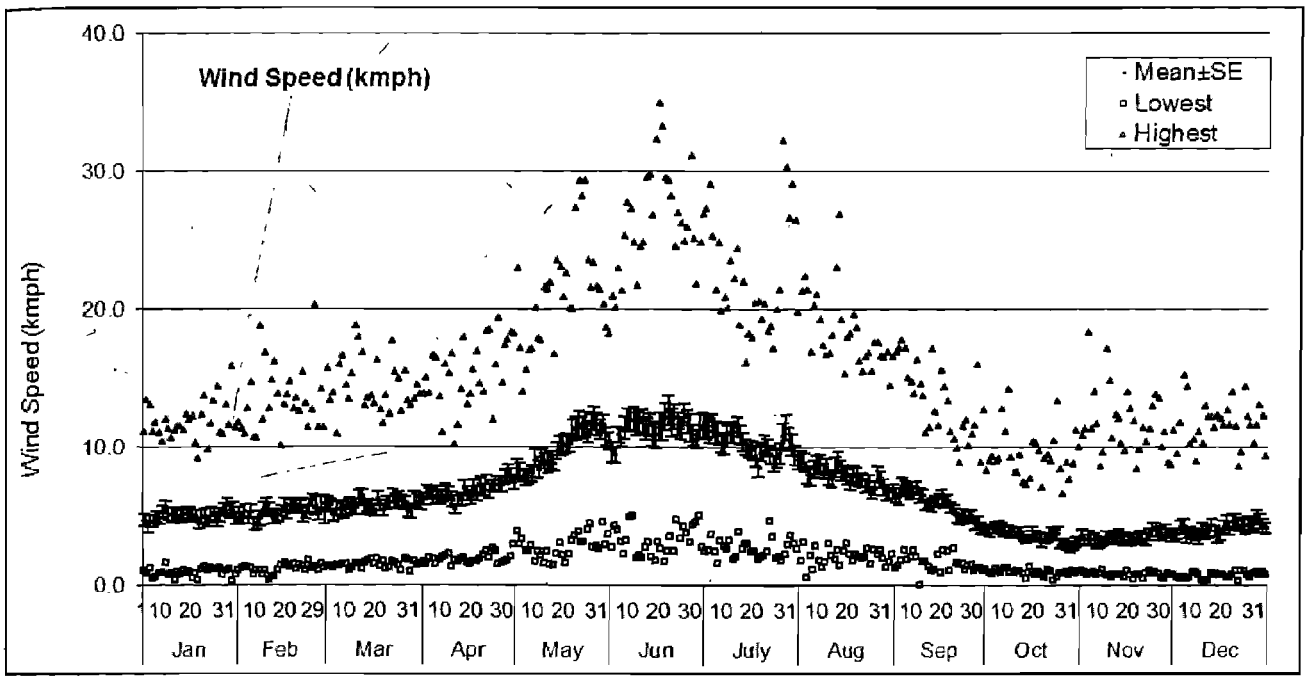


Fig. 9. Daily mean±SE, highest and lowest wind speed (kmph).

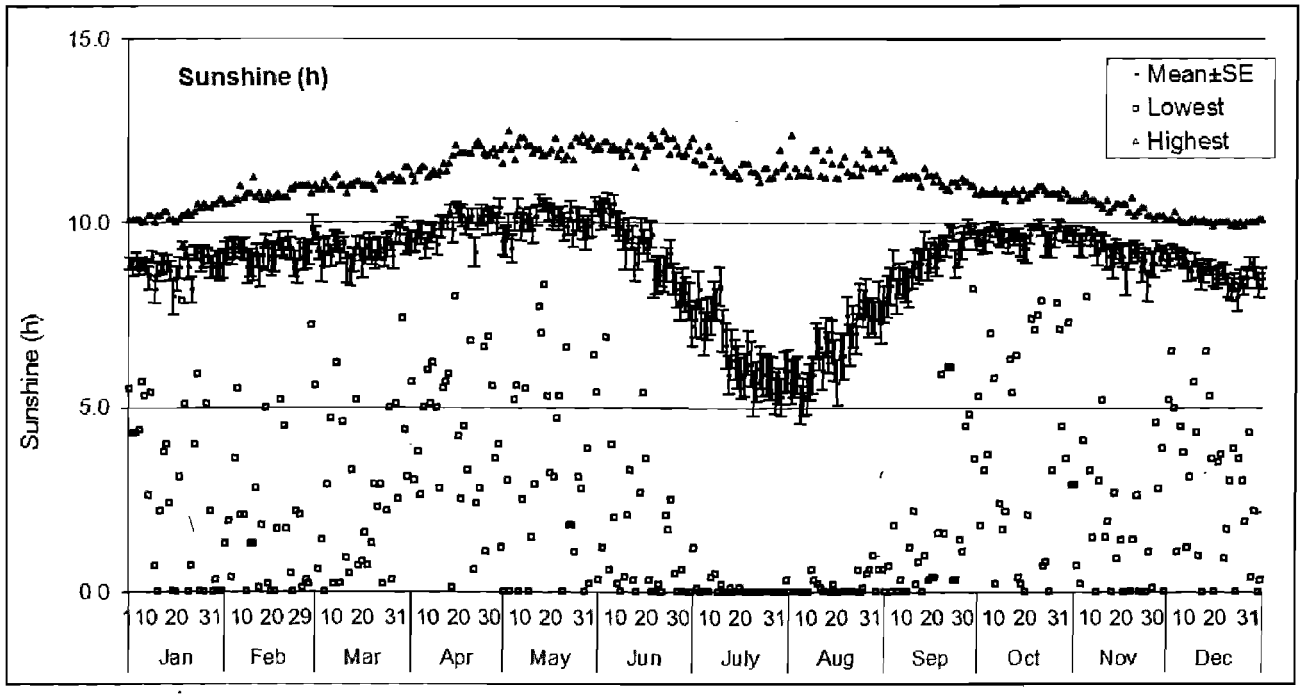


Fig. 10. Daily mean±SE, highest and lowest sunshine hours (h).

Table 53. Weekly mean, standard error, CV and trend of maximum temperature (°C)

Week	Mean	SE	CV	Regression equation	R^2	F#
1	24.8	0.3	7.9	$Y = 25.44X^{-0.0106}$	0.013	0.51
2	24.5	0.3	7.7	$Y = 24.64 - 0.0540X + 0.00170X^2$	0.022	0.41
3	24.7	0.3	7.7	$Y = 23.75 + 0.0472X$	0.084	3.48
4	25.4	0.4	9.9	$Y = 22.98X^{0.0348}$	0.094	3.93
5	25.6	0.4	9.6	$Y = 22.57 + 1.0958\text{Log}X$	0.152	6.84*#
6	26.7	0.4	10.3	$Y = 23.79 + 1.0566\text{Log}X$	0.114	4.89*
7	27.7	0.4	9.0	$Y = 26.70\ e^{0.0017X}$	0.048	1.93
8	29.0	0.5	10.1	$Y = 30.15 - 0.2582X + 0.00752X^2$	0.137	2.92
9	30.7	0.4	8.7	$Y = 28.79 + 0.0911X$	0.161	7.29*
10	32.1	0.4	8.2	$Y = 29.95X^{0.0245}$	0.064	2.59
11	33.5	0.4	7.4	$Y = 31.75\ e^{0.0025X}$	0.152	6.82*
12	34.8	0.4	7.1	$Y = 36.21 - 0.3119X + 0.00894X^2$	0.259	6.46**#
13	35.9	0.4	7.5	$Y = 37.82 - 0.3170X + 0.00824X^2$	0.145	3.13
14	37.1	0.3	5.8	$Y = 37.53 - 0.1507X + 0.00490X^2$	0.151	3.30*
15	38.1	0.4	6.1	$Y = 39.13 - 0.1752X + 0.00466X^2$	0.065	1.29
16	39.2	0.4	5.7	$Y = 38.48 + 0.0330X$	0.030	1.16
17	40.6	0.3	3.9	$Y = 39.75\ e^{0.0010X}$	0.082	3.39
18	40.7	0.3	5.2	$Y = 39.68 + 0.0485X$	0.074	3.02
19	41.1	0.4	5.7	$Y = 40.69\ e^{0.0004X}$	0.006	0.23
20	41.6	0.3	4.5	$Y = 40.69 + 0.3201\text{Log}X$	0.023	0.89
21	41.1	0.3	4.8	$Y = 39.85 + 0.4677\text{Log}X$	0.042	1.69
22	40.8	0.3	4.4	$Y = 39.65 + 0.4325\text{Log}X$	0.045	1.79
23	40.9	0.4	5.4	$Y = 38.68 + 0.3504X - 0.00891X^2$	0.239	5.80**
24	40.1	0.3	4.9	$Y = 38.62X^{0.0136}$	0.059	2.38
25	39.5	0.3	5.5	$Y = 39.07 + 0.1564\text{Log}X$	0.004	0.15
26	38.7	0.3	4.7	$Y = 37.12X^{0.0149}$	0.076	3.12
27	37.4	0.3	5.4	$Y = 38.05 - 0.0949X + 0.00238X^2$	0.020	0.38
28	36.5	0.3	5.5	$Y = 35.30 + 0.1832X - 0.00462X^2$	0.080	1.60
29	35.4	0.4	7.2	$Y = 33.63 + 0.0855X$	0.153	6.88*
30	34.7	0.3	5.6	$Y = 33.81 + 0.0448X$	0.072	2.93
31	34.4	0.3	6.2	$Y = 35.13 - 0.2583\text{Log}X$	0.011	0.43
32	33.9	0.3	6.0	$Y = 33.51\ e^{0.0005X}$	0.011	0.43
33	33.7	0.3	6.2	$Y = 32.60X^{0.0115}$	0.026	1.02
34	34.3	0.3	6.3	$Y = 33.11 + 0.4185\text{Log}X$	0.029	1.13
35	34.2	0.3	4.7	$Y = 33.67 + 0.0250X$	0.034	1.33
36	34.4	0.3	6.2	$Y = 32.91\ e^{0.0021X}$	0.154	6.91*
37	34.9	0.4	6.7	$Y = 33.79X^{0.0113}$	0.022	0.84
38	36.1	0.4	6.3	$Y = 35.23\ e^{0.0010X}$	0.035	1.39
39	36.8	0.3	5.0	$Y = 36.44 + 0.0162X$	0.011	0.42
40	37.2	0.3	4.6	$Y = 36.10 + 0.0537X$	0.138	6.09*
41	36.9	0.3	4.6	$Y = 35.93 + 0.3447\text{Log}X$	0.032	1.24
42	36.0	0.3	5.5	$Y = 36.45 - 0.0880X + 0.00254X^2$	0.034	0.65

43	35.1	0.3	5.9	$Y = 33.93 + 0.0554X$	0.099	4.17*
44	34.3	0.3	5.5	$Y = 33.40 + 0.0443X$	0.077	3.15
45	33.0	0.2	4.4	$Y = 32.13\ e^{0.0013X}$	0.124	5.37*
46	31.7	0.3	5.6	$Y = 30.62 + 0.1207X - 0.00260X^2$	0.041	0.79
47	30.3	0.3	6.9	$Y = 30.01 + 0.0153X$	0.007	0.29
48	28.6	0.3	6.4	$Y = 27.76 + 0.0423X$	0.074	3.05
49	28.2	0.3	7.0	$Y = 25.86 + 0.8150LogX$	0.132	5.76*
50	27.1	0.3	7.2	$Y = 26.05 + 0.1247X - 0.00276X^2$	0.036	0.69
51	26.6	0.3	7.6	$Y = 26.17 + 0.0208X$	0.016	0.60
52	25.4	0.3	7.4	$Y = 24.63 + 0.0353X$	0.051	2.06

* Significant at 5% level of significance; ** Significant at 1% level of significance

Table 54. Weekly mean, standard error, CV and trend of minimum temperature (°C)

Week	Mean	SE	CV	Regression equation	R^2	F
1	10.4	0.2	13.5	$Y = 10.29 + 0.0054X$	0.002	0.08
2	10.4	0.3	17.5	$Y = 9.44 + 0.1276X - 0.00291X^2$	0.040	0.76
3	10.5	0.3	16.4	$Y = 11.40 - 0.1459X + 0.00372X^2$	0.072	1.43
4	10.9	0.3	16.0	$Y = 9.79 + 0.1791X - 0.00462X^2$	0.106	2.19
5	11.2	0.3	16.5	$Y = 10.59 + 0.2056LogX$	0.009	0.36
6	11.4	0.4	22.6	$Y = 8.86 + 0.9320LogX$	0.099	4.19*
7	12.6	0.3	16.5	$Y = 11.24X^{0.0353}$	0.030	1.19
8	13.9	0.4	16.4	$Y = 15.09 - 0.1909X + 0.00492X^2$	0.071	1.42
9	15.4	0.3	11.2	$Y = 13.62X^{0.0431}$	0.113	4.84*
10	16.3	0.3	12.3	$Y = 15.59 + 0.0331X$	0.037	1.47
11	17.9	0.2	8.6	$Y = 15.64X^{0.0469}$	0.211	10.16**
12	19.0	0.3	9.3	$Y = 17.68 + 0.0640X$	0.180	8.34**
13	20.2	0.3	9.3	$Y = 21.26 - 0.1596X + 0.00406X^2$	0.070	1.39
14	21.2	0.3	7.7	$Y = 20.53 + 0.0341X$	0.060	2.42
15	22.4	0.3	7.7	$Y = 23.00 - 0.1227X + 0.00339X^2$	0.069	1.37
16	23.7	0.3	7.9	$Y = 24.20 - 0.1398X + 0.00423X^2$	0.120	2.52
17	25.0	0.2	5.0	$Y = 23.98 + 0.0504X$	0.219	10.63**
18	25.7	0.3	7.1	$Y = 24.04 + 0.0838X$	0.286	15.20**
19	26.7	0.3	7.3	$Y = 25.69 + 0.0498X$	0.090	3.74
20	27.4	0.3	6.2	$Y = 25.76 + 0.0787X$	0.298	16.1**
21	27.4	0.3	5.7	$Y = 25.83\ e^{0.0029X}$	0.352	20.66**
22	27.6	0.3	6.1	$Y = 26.46 + 0.0577X$	0.158	7.12*
23	28.3	0.3	6.2	$Y = 25.89 + 0.2753X - 0.00585X^2$	0.220	5.21*
24	28.2	0.2	5.5	$Y = 26.95X^{0\ 0156}$	0.061	2.46
25	28.1	0.2	4.8	$Y = 27.31 + 0.0402X$	0.123	5.34*
26	27.8	0.2	4.9	$Y = 25.39X^{0.0332}$	0.331	18.83**
27	27.4	0.2	3.9	$Y = 26.87 + 0.0244X$	0.070	2.85
28	27.1	0.2	4.2	$Y = 25.44X^{0.0223}$	0.216	10.49**
29	26.6	0.2	4.4	$Y = 25.36 + 0.0609X$	0.373	22.62**

30	26.2	0.1	3.5	$Y = 25.51 + 0.0349X$	0.202	9.60**
31	26.0	0.1	3.3	$Y = 25.37X^{0\ 0081}$	0.045	1.81
32	25.8	0.2	4.0	$Y = 25.22\ e^{0.0010X}$	0.083	3.44
33	25.6	0.2	4.1	$Y = 24.05X^{0.0219}$	0.222	10.82**
34	25.3	0.2	4.9	$Y = 24.39 + 0.0441X$	0.175	8.04**
35	25.0	0.2	3.7	$Y = 24.29 + 0.0344X$	0.184	8.58**
36	24.7	0.2	5.2	$Y = 23.36\ e^{0\ 0027X}$	0.376	22.86**
37	24.3	0.2	5.2	$Y = 22.55X^{0\ 0271}$	0.202	9.61**
38	24.1	0.3	7.6	$Y = 22.91 + 0.0601X$	0.147	6.54*
39	23.2	0.4	9.7	$Y = 22.28 + 0.0449X$	0.054	2.18
40	22.5	0.3	8.4	$Y = 20.92 + 0.5519LogX$	0.066	2.70
41	21.1	0.3	9.2	$Y = 19.91 + 0.0548X$	0.112	4.81*
42	19.6	0.3	10.4	$Y = 19.02 + 0.1931LogX$	0.007	0.27
43	18.1	0.3	8.9	$Y = 18.23X^{-0\ 0030}$	0.001	0.03
44	17.4	0.3	10.5	$Y = 15.83X^{0\ 0324}$	0.071	2.89
45	16.5	0.3	12.0	$Y = 15.44\ e^{0\ 0029X}$	0.079	3.24
46	16.0	0.4	13.9	$Y = 16.81 - 0.1377X + 0.00360X^2$	0.042	0.81
47	14.6	0.3	13.9	$Y = 15.23 - 0.0319X$	0.035	1.37
48	13.2	0.3	12.7	$Y = 14.05 - 0.0924X + 0.00187X^2$	0.031	0.60
49	12.7	0.3	13.5	$Y = 11.65 + 0.0475X$	0.111	4.75*
50	11.7	0.4	20.6	$Y = 11.93 - 0.0425X + 0.00119X^2$	0.005	0.09
51	11.8	0.3	16.6	$Y = 11.86\ e^{-0.0009X}$	0.003	0.13
52	11.0	0.2	13.2	$Y = 10.73X^{0.0071}$	0.002	0.08

Table 55. Weekly mean, standard error, CV and trend of RH-I (%)

Week	Mean	SE	CV	Regression equation	R^2	F
1	57.7	2.3	24.8	$Y = 32.54X^{0.1951}$	0.384	23.70**
2	58.5	2.0	21.8	$Y = 39.42X^{0.1336}$	0.233	11.57**
3	56.8	2.0	22.2	$Y = 49.82 + 0.3430X$	0.101	4.27*
4	54.9	2.0	23.3	$Y = 47.76 + 0.3458X$	0.100	4.23*
5	53.5	2.2	25.8	$Y = 44.27\ e^{0\ 0076X}$	0.118	5.06*
6	51.9	2.1	25.2	$Y = 42.94 + 0.4382X$	0.153	6.85*
7	54.6	2.2	24.9	$Y = 37.37X^{0.1257}$	0.169	7.70**
8	49.9	1.8	22.6	$Y = 35.19X^{0.1176}$	0.196	9.29**
9	46.6	2.0	26.5	$Y = 35.75X^{0.0827}$	0.063	2.54
10	43.5	1.5	21.7	$Y = 36.03\ e^{0.0081X}$	0.211	10.16**
11	41.2	1.9	28.4	$Y = 25.31X^{0.1614}$	0.223	10.91**
12	40.2	1.5	23.5	$Y = 30.20X^{0.0941}$	0.125	5.43*
13	37.6	1.3	22.4	$Y = 29.89 + 2.8123LogX$	0.085	3.53
14	36.0	1.7	28.9	$Y = 31.75 + 1.5579LogX$	0.017	0.66
15	34.8	1.9	35.0	$Y = 26.19X^{0.0828}$	0.047	1.86
16	37.2	1.5	26.0	$Y = 33.78 + 0.4100X - 0.00903X^2$	0.015	0.28
17	38.6	1.9	30.4	$Y = 38.94\ e^{-0.0025X}$	0.010	0.37

18	40.8	1.9	30.0	$Y = 36.17 + 0.6260X - 0.01483X^2$	0.022	0.41
19	46.1	2.2	29.9	$Y = 49.39 - 0.5006X + 0.01254X^2$	0.012	0.23
20	50.1	2.1	26.5	$Y = 51.78 - 0.6840X + 0.02236X^2$	0.083	1.67
21	55.6	1.8	20.1	$Y = 55.86X^{-0.0094}$	0.001	0.05
22	58.0	1.8	19.3	$Y = 61.21X^{0.0273}$	0.011	0.43
23	60.6	1.3	13.6	$Y = 65.36 - 0.8305X + 0.02222X^2$	0.118	2.49
24	64.8	1.2	11.5	$Y = 66.50\ e^{-0.0015X}$	0.024	0.92
25	66.2	1.3	12.6	$Y = 61.18 + 0.8605X - 0.02281X^2$	0.121	2.54
26	69.4	1.3	11.7	$Y = 76.40 - 2.5354LogX$	0.075	3.06
27	73.3	1.3	10.8	$Y = 69.44 + 0.4602X - 0.01000X^2$	0.029	0.55
28	75.6	1.3	10.8	$Y = 80.92 - 0.6796X + 0.01558X^2$	0.057	1.12
29	79.3	1.3	10.7	$Y = 84.37\ e^{-0.0033X}$	0.124	5.37*
30	80.6	1.3	10.0	$Y = 82.48\ e^{-0.0014X}$	0.025	0.97
31	82.1	1.2	9.2	$Y = 79.85 + 0.1077X$	0.028	1.09
32	82.7	1.1	8.7	$Y = 83.63 - 0.0440X$	0.005	0.20
33	82.7	1.3	9.8	$Y = 83.73 - 0.0498X$	0.005	0.20
34	82.0	1.2	9.0	$Y = 85.72 - 0.1829X$	0.084	3.48
35	81.4	1.2	9.1	$Y = 85.71X^{-0\ 0202}$	0.035	1.38
36	80.4	1.4	11.3	$Y = 85.70 - 0.2604X$	0.113	4.86*
37	77.7	1.5	12.0	$Y = 79.97 - 0.2805X + 0.00632X^2$	0.007	0.14
38	71.8	1.7	15.2	$Y = 63.33X^{0.0414}$	0.054	2.15
39	68.0	1.8	16.5	$Y = 66.99 + 0.2341X - 0.00687X^2$	0.008	0.15
40	60.5	2.1	21.2	$Y = 61.76 - 0.0543X$	0.003	0.10
41	58.1	1.8	19.4	$Y = 64.30 - 2.2100LogX$	0.030	1.18
42	52.7	1.9	22.7	$Y = 54.85 - 0.7848LogX$	0.003	0.13
43	51.5	2.1	25.8	$Y = 50.92 + 0.2468X - 0.00790X^2$	0.010	0.19
44	48.1	1.6	21.0	$Y = 46.48 + 0.5756LogX$	0.003	0.10
45	48.8	1.9	23.8	$Y = 40.99X^{0.0526}$	0.035	1.39
46	52.4	2.1	25.5	$Y = 35.92X^{0.1240}$	0.167	7.61**
47	52.5	2.1	25.3	$Y = 44.93X^{0.0452}$	0.025	0.98
48	52.2	2.1	24.6	$Y = 52.42\ e^{-0.0015X}$	0.005	0.20
49	50.0	2.1	26.1	$Y = 43.06\ e^{0\ 0057X}$	0.067	2.73
50	57.0	2.1	22.1	$Y = 48.45 + 0.3982X$	0.141	6.21*
51	57.1	1.8	19.0	$Y = 48.68\ e^{0.0067X}$	0.191	8.98**
52	59.1	2.0	20.4	$Y = 49.75\ e^{0.0073X}$	0.184	8.57**

Table 56. Weekly mean, standard error, CV and trend of RH-II (%)

Week	Mean	SE	CV	Regression equation	R^2	F
1	24.4	1.1	28.3	$Y = 13.10X^{0.2097}$	0.364	21.79**
2	25.5	1.4	35.9	$Y = 15.77X^{0.1518}$	0.142	6.29*
3	23.8	1.0	27.2	$Y = 22.18\ e^{0\ 0018X}$	0.006	0.23
4	21.9	1.1	30.2	$Y = 22.29X^{-0\ 0233}$	0.004	0.16
5	20.8	1.5	44.1	$Y = 17.77\ e^{0\ 0040X}$	0.015	0.59
6	19.4	1.3	42.4	$Y = 15.50 + 0.1920X$	0.074	3.04
7	20.7	1.4	43.0	$Y = 15.25X^{0\ 0799}$	0.027	1.06
8	18.5	1.1	36.7	$Y = 14.16X^{0\ 0722}$	0.027	1.05
9	17.3	1.0	38.0	$Y = 13.45X^{0\ 0645}$	0.020	0.77
10	14.7	0.8	33.8	$Y = 15.72 - 0.2616X + 0.00790X^2$	0.058	1.14
11	15.1	1.0	42.2	$Y = 10.23X^{0.1109}$	0.056	2.25
12	14.9	0.8	32.9	$Y = 11.03 + 0.4848X - 0.01092X^2$	0.080	1.60
13	13.6	0.7	34.0	$Y = 11.08 + 0.9109LogX$	0.030	1.16
14	13.4	1.0	46.7	$Y = 13.42\ e^{-0.0047X}$	0.016	0.60
15	13.0	1.1	53.3	$Y = 12.08 + 0.1714X - 0.00467X^2$	0.008	0.14
16	13.1	0.8	37.6	$Y = 11.39\ e^{0.0032X}$	0.008	0.31
17	13.1	0.9	45.0	$Y = 11.70 + 0.2517X - 0.00677X^2$	0.022	0.41
18	15.1	1.1	45.3	$Y = 12.50 + 0.4217X - 0.01093X^2$	0.039	0.75
19	17.9	1.5	52.1	$Y = 14.25\ e^{0\ 0054X}$	0.017	0.64
20	19.0	1.1	37.4	$Y = 15.72 + 0.1609X$	0.070	2.86
21	22.5	1.3	35.4	$Y = 23.68 - 0.3043X + 0.00920X^2$	0.031	0.59
22	24.2	1.2	30.0	$Y = 25.18 - 0.2814X + 0.00867X^2$	0.035	0.67
23	28.1	1.1	24.7	$Y = 33.02 - 0.8204X + 0.02156X^2$	0.152	3.30*
24	32.7	1.3	26.0	$Y = 31.73 + 0.0464X$	0.004	0.16
25	35.9	1.5	25.9	$Y = 32.24 + 0.5182X - 0.01254X^2$	0.026	0.50
26	39.7	1.3	20.9	$Y = 42.83 - 1.1322LogX$	0.014	0.55
27	44.2	1.8	26.0	$Y = 38.43\ e^{0\ 0053X}$	0.069	2.81
28	49.0	1.7	21.7	$Y = 54.11 - 0.7252X + 0.01758X^2$	0.040	0.77
29	53.4	2.0	23.9	$Y = 59.27\ e^{-0\ 0065X}$	0.099	4.15*
30	55.6	2.0	22.2	$Y = 53.96 + 0.3658X - 0.01052X^2$	0.014	0.27
31	56.7	1.8	20.1	$Y = 46.69X^{0.0627}$	0.068	2.79
32	57.8	1.8	19.3	$Y = 55.37 + 0.3228X - 0.00753X^2$	0.007	0.13
33	58.5	1.9	20.8	$Y = 64.44 - 0.7100X + 0.01548X^2$	0.029	0.55
34	55.3	1.8	20.8	$Y = 58.70 - 1.2136LogX$	0.008	0.33
35	53.7	1.9	22.5	$Y = 58.14 - 1.6150LogX$	0.014	0.53
36	51.3	2.1	25.7	$Y = 56.27 - 0.2430X$	0.046	1.85
37	46.6	2.3	31.2	$Y = 48.59 - 0.3242X + 0.00837X^2$	0.005	0.09
38	38.0	1.7	28.3	$Y = 29.58X^{0.0759}$	0.052	2.09
39	31.9	1.7	33.8	$Y = 25.13X^{0.0654}$	0.025	0.97
40	26.5	1.7	40.8	$Y = 29.58 - 0.1457X$	0.025	0.99
41	23.2	1.3	34.5	$Y = 25.27 - 0.2542X + 0.00572X^2$	0.008	0.16

42	19.6	1.4	45.3	$Y = 19.51X^{-0.0269}$	0.004	0.14
43	18.9	1.5	48.6	$Y = 19.30\ e^{-0.0051X}$	0.021	0.83
44	17.9	1.2	43.0	$Y = 16.88 + 0.1576X - 0.00407X^2$	0.004	0.08
45	19.2	1.2	38.1	$Y = 22.05 - 0.4250X + 0.01065X^2$	0.032	0.61
46	22.7	1.8	48.5	$Y = 25.25 - 0.5973X + 0.01749X^2$	0.054	1.07
47	22.8	2.0	54.2	$Y = 25.33 - 0.1174X$	0.013	0.49
48	20.8	1.1	31.4	$Y = 22.86 - 0.0961X$	0.030	1.18
49	20.2	1.2	37.5	$Y = 16.26 + 0.1906X$	0.091	3.78
50	23.5	1.3	33.1	$Y = 19.64 + 0.1760X$	0.072	2.97
51	24.8	1.0	24.0	$Y = 19.15 + 2.0027LogX$	0.090	3.76
52	26.2	1.3	31.5	$Y = 22.85\ e^{0.0045X}$	0.032	1.25

Table 57. Weekly mean, standard error, CV and trend of rainfall (mm)

Week	Mean	SE	CV	Regression equation	R^2	F
1	0.2	0.1	377.1	$Y = -0.01 + 0.0598LogX$	0.008	0.32
2	1.1	0.7	394.9	$Y = -0.95 + 0.3095X - 0.00777X^2$	0.048	0.93
3	0.4	0.2	287.4	$Y = -0.24 + 0.0949X - 0.00243X^2$	0.084	1.69
4	0.4	0.3	397.4	$Y = 0.65 - 0.0126X$	0.009	0.34
5	0.7	0.7	609.2	$Y = -1.22 + 0.2562X - 0.00604X^2$	0.031	0.58
6	1.0	0.6	350.0	$Y = -0.56 + 0.0782X$	0.062	2.53
7	1.8	0.8	266.6	$Y = 2.02 - 0.0121X$	0.001	0.03
8	0.9	0.5	317.5	$Y = 0.01 + 0.1395X - 0.00347X^2$	0.020	0.37
9	1.5	0.8	346.8	$Y = 0.36 + 0.0540X$	0.015	0.59
10	0.3	0.2	428.1	$Y = -0.18 + 0.0570X - 0.00124X^2$	0.016	0.30
11	0.5	0.3	372.1	$Y = 0.16 + 0.0450X - 0.00107X^2$	0.005	0.09
12	0.2	0.1	461.1	$Y = 0.08 + 0.0252X - 0.00078X^2$	0.026	0.50
13	0.4	0.2	301.0	$Y = -0.28 + 0.2365LogX$	0.033	1.32
14	2.7	1.0	245.1	$Y = 0.27 + 0.8740LogX$	0.013	0.52
15	1.4	0.8	351.2	$Y = 0.71 + 0.2388LogX$	0.002	0.07
16	0.9	0.5	361.6	$Y = -0.54 + 0.1747X - 0.00381X^2$	0.023	0.43
17	4.6	3.2	450.7	$Y = 2.60 + 0.5095X - 0.01534X^2$	0.013	0.24
18	1.4	0.7	314.8	$Y = 0.55 + 0.0410X$	0.012	0.46
19	4.3	2.1	302.4	$Y = 1.13 + 1.1560LogX$	0.006	0.23
20	1.5	0.7	272.8	$Y = 1.06 + 0.0610X - 0.00141X^2$	0.002	0.03
21	3.4	1.1	212.2	$Y = 10.54 - 2.5951LogX$	0.100	4.20*
22	7.1	2.3	201.3	$Y = 5.69 + 0.0693X$	0.003	0.12
23	7.2	3.5	310.6	$Y = 9.23 - 0.5040X + 0.01501X^2$	0.010	0.19
24	10.1	3.0	188.1	$Y = 13.46 - 0.9212X + 0.02810X^2$	0.052	1.01
25	10.1	3.6	225.6	$Y = -1.23 + 4.1217LogX$	0.025	0.96
26	12.8	3.5	172.2	$Y = 21.27 - 3.0887LogX$	0.015	0.58
27	28.4	13.0	289.3	$Y = -1.23 + 10.7280LogX$	0.013	0.50
28	18.5	4.4	151.7	$Y = 22.78 - 0.6964X + 0.01807X^2$	0.006	0.12
29	37.2	11.4	193.1	$Y = 68.60 - 1.5332X$	0.062	2.53

30	35.4	7.5	133.7	$Y = 19.84 + 2.3604X - 0.05934X^2$	0.023	0.44
31	32.5	6.8	132.9	$Y = 9.80 + 1.1097X$	0.090	3.76
32	25.6	5.2	126.9	$Y = 39.79 - 5.1287LogX$	0.019	0.73
33	26.2	6.8	165.0	$Y = 47.90 - 1.0579X$	0.082	3.38
34	22.5	6.2	174.1	$Y = 47.20 - 8.9405LogX$	0.040	1.57
35	18.6	4.7	158.3	$Y = 48.74 - 10.9390LogX$	0.106	4.49*
36	25.1	8.0	201.0	$Y = 45.39 - 0.9899X$	0.053	2.11
37	11.0	4.3	245.0	$Y = 18.48 - 1.9506X + 0.05880X^2$	0.108	2.25
38	3.5	1.4	242.5	$Y = -0.29 + 1.3771LogX$	0.020	0.77
39	5.8	2.6	285.4	$Y = 12.07 - 0.3056X$	0.046	1.85
40	1.7	0.6	234.3	$Y = 0.95 + 0.1407X - 0.00385X^2$	0.016	0.31
41	1.8	0.9	321.9	$Y = -0.66 + 0.3494X - 0.00862X^2$	0.034	0.65
42	1.7	1.0	366.8	$Y = -1.85 + 0.3939X - 0.00817X^2$	0.037	0.70
43	1.1	0.5	297.6	$Y = 2.30 - 0.0567X$	0.041	1.64
44	1.0	1.0	608.3	$Y = 2.40 - 0.0690X$	0.018	0.69
45	1.4	1.0	433.9	$Y = 6.09 - 0.6501X + 0.01577X^2$	0.095	1.94
46	0.7	0.4	376.2	$Y = 2.25 - 0.2190X + 0.00531X^2$	0.065	1.29
47	1.0	0.6	394.6	$Y = 3.05 - 0.2119X + 0.00417X^2$	0.033	0.63
48	0.0	0.0	624.5	$Y = -0.01 + 0.0009X$	0.017	0.67
49	0.0	0.0	616.4	$Y = -0.02 + 0.0013X$	0.059	2.38
50	0.2	0.2	616.4	$Y = -0.17 + 0.0607X - 0.00160X^2$	0.029	0.55
51	0.5	0.4	508.2	$Y = 1.11 - 0.0275X$	0.018	0.71
52	0.8	0.5	420.8	$Y = -1.09 + 0.0899X$	0.105	4.46*

Table 58. Weekly probability (%) of rainfall (mm)

Week	Rainfall probability (%)											
	0.1-10.0	10.1-20.0	20.1-30.0	30.1-40.0	40.1-50.0	50.1-60.0	60.1-70.0	70.1-80.0	80.1-90.0	90.1-100.0	>100.0	>0.0
1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
2	10.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
3	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
4	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
5	5.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
6	15.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
7	7.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5
8	17.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
9	17.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
10	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
11	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
12	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
13	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
14	20.0	2.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
15	17.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
16	17.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
17	15.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5	20.0
18	17.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
19	15.0	7.5	0.0	0.0	0.0	2.5	2.5	0.0	0.0	0.0	0.0	27.5

20	17.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
21	15.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0
22	20.0	7.5	2.5	2.5	5.0	2.5	0.0	0.0	0.0	0.0	0.0	40.0
23	22.5	2.5	0.0	5.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5	35.0
24	27.5	7.5	2.5	2.5	2.5	2.5	0.0	5.0	0.0	0.0	0.0	50.0
25	30.0	10.0	5.0	0.0	2.5	0.0	2.5	0.0	0.0	0.0	2.5	52.5
26	22.5	2.5	10.0	5.0	0.0	5.0	2.5	0.0	0.0	2.5	0.0	50.0
27	17.5	15.0	2.5	7.5	5.0	10.0	0.0	0.0	2.5	0.0	2.5	62.5
28	30.0	17.5	7.5	5.0	5.0	2.5	0.0	2.5	0.0	0.0	5.0	75.0
29	17.5	5.0	12.5	10.0	7.5	7.5	7.5	0.0	0.0	0.0	7.5	75.0
30	20.0	7.5	10.0	10.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	75.0
31	17.5	10.0	5.0	7.5	2.5	2.5	5.0	10.0	0.0	0.0	10.0	70.0
32	30.0	7.5	7.5	7.5	10.0	0.0	2.5	7.5	2.5	2.5	2.5	80.0
33	15.0	7.5	12.5	0.0	7.5	2.5	0.0	5.0	2.5	0.0	7.5	60.0
34	20.0	20.0	2.5	5.0	5.0	2.5	2.5	5.0	2.5	0.0	2.5	67.5
35	20.0	10.0	2.5	12.5	10.0	5.0	0.0	0.0	0.0	0.0	2.5	62.5
36	25.0	7.5	2.5	2.5	5.0	2.5	2.5	2.5	0.0	0.0	7.5	57.5
37	17.5	5.0	2.5	10.0	0.0	0.0	2.5	0.0	0.0	0.0	2.5	40.0
38	22.5	7.5	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	32.5
39	20.0	2.5	2.5	5.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	32.5
40	17.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
41	7.5	5.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
42	10.0	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
43	12.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5
44	7.5	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
45	5.0	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
46	7.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
47	10.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
48	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
49	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
50	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
51	7.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
52	10.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0

Table 59. Weekly mean, standard error, CV and trend of evaporation (mm)

Week	Mean	SE	CV	Regression equation	R^2	F
1	3.9	0.1	21.6	Y = 5.55 - 0.6018LogX	0.393	24.65**
2	4.0	0.2	22.9	Y = 4.99 - 0.0470X	0.351	20.54**
3	4.1	0.1	20.8	Y = 5.10 - 0.0473X	0.420	27.54**
4	4.5	0.2	21.4	$Y = 5.68\ e^{-0.0120X}$	0.440	29.90**
5	4.7	0.2	21.7	Y = 5.84 - 0.0558X	0.402	25.53**
6	5.2	0.2	25.4	Y = 7.78 - 0.9213LogX	0.364	21.80**
7	5.6	0.3	30.1	Y = 8.62 - 1.0820LogX	0.307	16.86**
8	6.5	0.3	26.6	$Y = 10.12X^{-0.1709}$	0.446	30.63**
9	7.1	0.3	30.0	Y = 11.18 - 1.4679LogX	0.361	21.45**
10	7.9	0.4	28.6	$Y = 13.16X^{-0.1938}$	0.511	39.74**
11	8.5	0.4	26.7	$Y = 10.38\ e^{-0.0108X}$	0.327	18.48**
12	9.3	0.3	22.0	Y = 12.61 - 1.1979LogX	0.261	13.40**

13	9.8	0.4	24.2	$Y = 13.46X^{0\ 1212}$	0.291	15.61**
14	11.0	0.3	18.7	Y = 14.89 - 1.4257LogX	0.367	22.07**
15	11.5	0.4	21.4	Y = 16.23 - 1.7113LogX	0.368	22.10**
16	12.3	0.4	18.7	Y = 16.28 - 1.4333LogX	0.296	16.01**
17	13.3	0.4	18.9	Y = 18.17 - 1.7758LogX	0.386	23.86**
18	13.7	0.4	18.9	Y = 17.98 – 1.5635LogX	0.277	14.54**
19	13.7	0.4	18.1	Y = 16.78 – 1.1062LogX	0.151	6.75*
20	14.8	0.4	15.0	Y = 16.66 – 0.0910X	0.232	11.49**
21	14.6	0.4	17.2	Y = 16.69 – 0.1028X	0.229	11.29**
22	13.9	0.3	14.7	Y = 15.17 – 0.0625X	0.128	5.57*
23	14.0	0.4	17.2	Y = 16.28 – 0.1112X	0.290	15.55**
24	12.8	0.4	19.0	Y = 16.28 – 1.2479LogX	0.201	9.55**
25	12.5	0.4	20.6	Y = 14.82 – 0.1149X	0.275	14.38**
26	11.2	0.4	24.0	Y = 12.29 – 0.0515X	0.050	2.01
27	10.1	0.5	32.0	Y = 12.07 – 0.0975X	0.125	5.43*
28	9.1	0.4	28.0	Y = 10.35 – 0.0621X	0.082	3.37
29	7.5	0.4	34.2	$Y = 6.54\ e^{0.0041X}$	0.019	0.74
30	7.3	0.4	34.0	Y = 8.87 - 0.5713LogX	0.041	1.60
31	6.8	0.4	37.8	$Y = 8.09\ e^{-0\ 0121X}$	0.141	6.24*
32	6.3	0.4	34.7	Y = 7.14 - 0.0400X	0.046	1.82
33	6.2	0.3	33.8	Y = 6.84 - 0.2341LogX	0.010	0.37
34	6.3	0.3	31.6	$Y = 4.93X^{0\ 0661}$	0.019	0.74
35	6.3	0.3	29.0	Y = 6.75 - 0.0237X	0.023	0.91
36	6.5	0.3	31.1	Y = 7.20 - 0.2673LogX	0.014	0.52
37	6.8	0.3	30.0	$Y = 7.43\ e^{-0.0068X}$	0.050	1.99
38	7.1	0.3	24.4	Y = 7.91 - 0.0381X	0.066	2.68
39	7.2	0.3	23.0	Y = 8.26 - 0.0533X	0.143	6.32*
40	7.2	0.2	19.5	Y = 9.10 - 0.6881LogX	0.190	8.91**
41	6.9	0.2	17.6	$Y = 7.68\ e^{-0\ 0061X}$	0.174	7.99**
42	6.7	0.2	19.7	Y = 7.64 - 0.0458X	0.170	7.78**
43	6.0	0.2	18.4	Y = 7.83 - 0.6412LogX	0.254	12.96**
44	5.9	0.2	18.0	$Y = 6.57\ e^{-0\ 0057X}$	0.148	6.58*
45	5.4	0.2	18.5	Y = 6.74 - 0.4855LogX	0.184	8.58**
46	4.8	0.2	22.9	$Y = 6.09\ e^{\ 0.0123X}$	0.367	22.01**
47	4.5	0.2	21.8	Y = 5.40 - 0.0412X	0.242	12.16**
48	4.4	0.2	22.0	Y = 5.28 - 0.0436X	0.280	14.76**
49	4.2	0.2	21.9	$Y = 5.16\ e^{-0.0102X}$	0.326	18.42**
50	3.9	0.1	22.0	$Y = 4.85\ e^{-0.0112X}$	0.371	22.39**
51	4.0	0.2	23.6	Y = 5.24 - 0.0572X	0.498	37.74**
52	3.8	0.2	26.0	Y = 5.00 - 0.0561X	0.457	32.00**

Table 60. Weekly mean, standard error, CV and trend of wind speed (kmph)

Week	Mean	SE	CV	Regression equation	R^2	F
1	4.7	0.3	44.4	$Y = 6.76 - 0.0991X$	0.304	16.58**
2	5.1	0.4	46.2	$Y = 7.92\ e^{-0.0270X}$	0.364	21.72**
3	4.9	0.3	42.3	$Y = 7.67 - 0.1338X$	0.564	49.14**
4	5.1	0.4	49.4	$Y = 8.50 - 0.1661X$	0.594	55.64**
5	5.1	0.4	47.5	$Y = 8.40 - 0.1615X$	0.610	59.34**
6	5.1	0.3	42.4	$Y = 7.65 - 0.1273X$	0.481	35.20**
7	5.2	0.4	42.2	$Y = 8.16\ e^{-0.0255X}$	0.539	44.52**
8	5.6	0.4	39.8	$Y = 9.04\ e^{-0.0275X}$	0.562	48.74**
9	5.5	0.4	40.3	$Y = 8.64 - 0.1513X$	0.625	63.32**
10	5.7	0.4	49.1	$Y = 13.08 - 2.6897\text{Log}X$	0.710	93.14**
11	5.8	0.3	36.0	$Y = 9.50\ e^{-0.0275X}$	0.694	85.99**
12	6.0	0.3	32.4	$Y = 8.33\ e^{-0.0188X}$	0.431	28.82**
13	5.8	0.3	33.3	$Y = 8.32 - 0.1209X$	0.527	42.29**
14	6.5	0.3	31.1	$Y = 9.33 - 0.1370X$	0.621	62.38**
15	6.3	0.3	33.1	$Y = 9.06 - 0.1338X$	0.559	48.11**
16	6.9	0.4	34.4	$Y = 11.71 - 1.7414\text{Log}X$	0.411	26.56**
17	7.6	0.4	33.5	$Y = 10.91 - 0.1638X$	0.572	50.77**
18	7.9	0.4	29.7	$Y = 10.94\ e^{-0\ 0178X}$	0.473	34.11**
19	8.9	0.5	32.1	$Y = 13.60 - 1.6888\text{Log}X$	0.263	13.56**
20	10.5	0.5	30.0	$Y = 15.99 - 2.0021\text{Log}X$	0.310	17.08**
21	11.6	0.6	34.7	$Y = 19.05 - 2.6960\text{Log}X$	0.342	19.79**
22	10.6	0.5	27.4	$Y = 12.33 - 0.0831X$	0.112	4.77*
23	11.7	0.5	29.4	$Y = 18.19 - 2.3531\text{Log}X$	0.356	20.97**
24	11.4	0.7	38.8	$Y = 20.95 - 3.4783\text{Log}X$	0.475	34.38**
25	12.0	0.7	37.9	$Y = 16.57\ e^{-0\ 0186X}$	0.376	22.9**
26	11.3	0.6	32.2	$Y = 14.28\ e^{-0.0137X}$	0.236	11.75**
27	10.9	0.6	34.2	$Y = 16.10\ e^{-0\ 0214X}$	0.476	34.51**
28	10.7	0.5	31.8	$Y = 15.93 - 1.8762\text{Log}X$	0.235	11.64**
29	9.6	0.6	36.4	$Y = 12.26 - 0.1310X$	0.192	9.04**
30	10.1	0.6	40.2	$Y = 18.33 - 2.9994\text{Log}X$	0.420	27.50**
31	8.7	0.5	38.6	$Y = 12.42\ e^{-0.0209X}$	0.408	26.14**
32	8.4	0.5	35.9	$Y = 11.87 - 0.1714X$	0.447	30.75**
33	8.1	0.5	38.5	$Y = 14.91 - 2.4597\text{Log}X$	0.474	34.22**
34	7.4	0.4	32.5	$Y = 10.02 - 0.1284X$	0.394	24.74**
35	6.9	0.4	40.9	$Y = 9.12\ e^{-0.0175X}$	0.266	13.75**
36	6.9	0.4	37.7	$Y = 10.09 - 0.1569X$	0.499	37.9**
37	6.1	0.3	31.2	$Y = 9.35 - 1.1855\text{Log}X$	0.300	16.25**
38	5.4	0.3	30.4	$Y = 6.78\ e^{-0.0133X}$	0.270	14.08**
39	4.6	0.3	41.4	$Y = 5.65\ e^{-0.0149X}$	0.157	7.07*
40	4.1	0.3	38.4	$Y = 6.10 - 0.0975X$	0.534	43.51**
41	3.7	0.3	42.9	$Y = 5.48 - 0.0832X$	0.374	22.72**
42	3.5	0.2	43.8	$Y = 5.26\ e^{-0.0249X}$	0.405	25.9**

43	3.3	0.3	52.4	$Y = 5.49 - 0.1067X$	0.529	42.71**
44	3.3	0.3	56.2	$Y = 4.86\ e^{-0.0250X}$	0.368	22.12**
45	3.2	0.3	52.9	$Y = 4.74\ e^{-0.0244X}$	0.296	15.96**
46	3.4	0.3	61.9	$Y = 5.42\ e^{-0.0299X}$	0.377	22.95**
47	3.6	0.3	56.9	$Y = 6.04 - 0.1155X$	0.429	28.51**
48	3.7	0.3	57.1	$Y = 6.26 - 0.1217X$	0.453	31.41**
49	3.8	0.3	55.8	$Y = 6.07 - 0.1077X$	0.359	21.30**
50	3.9	0.4	59.1	$Y = 5.91\ e^{-0.0281X}$	0.297	16.04**
51	4.4	0.4	52.5	$Y = 7.16 - 0.1308X$	0.450	31.14**
52	4.4	0.4	53.8	$Y = 7.71 - 0.1534X$	0.560	48.34**

Table 61. Weekly mean, standard error, CV and trend of sunshine hours (h)

Week	Mean	SE	CV	Regression equation	R^2	F
1	8.8	0.1	8.5	$Y = 10.25 - 0.5178LogX$	0.362	21.59**
2	8.8	0.2	11.4	$Y = 10.03 - 0.4485LogX$	0.155	6.95*
3	8.7	0.2	12.9	$Y = 8.10 + 0.1595X - 0.00484X^2$	0.440	14.56**
4	9.0	0.1	10.1	$Y = 8.69 + 0.0713X - 0.00204X^2$	0.095	1.95
5	9.1	0.2	14.4	$Y = 8.51 + 0.0904X - 0.00233X^2$	0.048	0.93
6	9.1	0.2	14.0	$Y = 9.69 - 0.0294X$	0.073	2.98
7	9.1	0.2	12.6	$Y = 9.36 - 0.0820LogX$	0.004	0.15
8	9.2	0.1	9.5	$Y = 9.93 - 0.2774LogX$	0.078	3.22
9	9.2	0.2	14.7	$Y = 9.56 - 0.0444X + 0.00100X^2$	0.009	0.17
10	9.3	0.1	9.2	$Y = 8.99 + 0.0486X - 0.00132X^2$	0.041	0.78
11	9.2	0.2	13.8	$Y = 9.46 - 0.0659X + 0.00189X^2$	0.044	0.85
12	9.3	0.2	11.5	$Y = 9.63 - 0.0676X + 0.00188X^2$	0.056	1.09
13	9.5	0.2	9.7	$Y = 9.06 + 0.0236X$	0.089	3.69
14	9.6	0.1	8.9	$Y = 9.23 + 0.0176X$	0.058	2.35
15	10.0	0.1	8.5	$Y = 9.59 + 0.0196X$	0.074	3.03
16	10.0	0.2	9.6	$Y = 9.25 + 0.1035X - 0.00248X^2$	0.099	2.03
17	10.2	0.2	9.2	$Y = 9.68\ e^{0.0022X}$	0.074	3.02
18	9.8	0.2	13.2	$Y = 10.34 - 0.1980LogX$	0.018	0.69
19	10.2	0.2	9.5	$Y = 10.78 - 0.0278X$	0.111	4.74*
20	10.2	0.2	9.9	$Y = 9.83 + 0.0418X - 0.00091X^2$	0.014	0.27
21	9.9	0.2	11.3	$Y = 9.55 + 0.0847X - 0.00245X^2$	0.095	1.93
22	10.3	0.2	10.0	$Y = 10.61 - 0.0173X$	0.039	1.55
23	9.9	0.2	13.2	$Y = 9.24 + 0.1101X - 0.00287X^2$	0.074	1.47
24	9.4	0.2	15.7	$Y = 8.20X^{0.0445}$	0.046	1.82
25	8.7	0.3	20.5	$Y = 9.01 - 0.0141X$	0.009	0.33
26	7.8	0.3	24.0	$Y = 5.42X^{0.1207}$	0.125	5.44*
27	7.6	0.4	28.8	$Y = 7.37 + 0.0758X - 0.00234X^2$	0.028	0.53
28	6.7	0.3	32.3	$Y = 5.70 + 0.1724X - 0.00453X^2$	0.068	1.35
29	5.9	0.4	42.9	$Y = 3.51\ e^{0.0192X}$	0.143	6.33*
30	5.7	0.4	38.8	$Y = 3.78X^{0\ 1187}$	0.063	2.54

31	5.7	0.3	36.8	$Y = 6.25 - 0.0270X$	0.023	0.88
32	6.2	0.3	29.1	$Y = 4.10X^{0.1331}$	0.132	5.77*
33	6.5	0.4	37.8	$Y = 3.95X^{0\ 1487}$	0.075	3.06
34	7.4	0.3	29.2	$Y = 6.32 + 0.1430X - 0.00330X^2$	0.035	0.68
35	7.7	0.3	27.0	$Y = 6.35X^{0.0559}$	0.026	1.01
36	8.4	0.3	20.2	$Y = 7.98\ e^{0\ 0015X}$	0.006	0.21
37	9.0	0.3	22.2	$Y = 7.89 + 0.1918X - 0.00507X^2$	0.102	2.10
38	9.4	0.2	10.9	$Y = 8.34 + 0.1157X - 0.00243X^2$	0.114	2.38
39	9.6	0.2	11.2	$Y = 9.36 + 0.0370X - 0.00088X^2$	0.010	0.18
40	9.7	0.1	8.1	$Y = 9.44 + 0.0269X - 0.00060X^2$	0.010	0.19
41	9.6	0.1	7.5	$Y = 9.85 - 0.0134X$	0.048	1.93
42	9.7	0.1	8.3	$Y = 10.10 - 0.0190X$	0.077	3.16
43	9.6	0.2	9.7	$Y = 9.87 - 0.0948LogX$	0.008	0.31
44	9.6	0.2	11.7	$Y = 10.14 - 0.0248X$	0.068	2.76
45	9.4	0.2	11.6	$Y = 10.29 - 0.0408X$	0.195	9.22**
46	9.0	0.2	14.8	$Y = 8.60 + 0.1295X - 0.00401X^2$	0.230	5.52**
47	9.0	0.3	17.1	$Y = 8.49 + 0.0956X - 0.00270X^2$	0.060	1.18
48	9.1	0.1	8.0	$Y = 9.90 - 0.0380X$	0.384	23.68**
49	9.0	0.2	11.8	$Y = 10.06 - 0.0514X$	0.333	18.96**
50	8.6	0.2	11.1	$Y = 9.42 - 0.0361X$	0.197	9.32**
51	8.4	0.2	12.1	$Y = 7.71 + 0.1252X - 0.00338X^2$	0.197	4.55*
52	8.5	0.2	11.3	$Y = 9.32 - 0.0382X$	0.225	11.06**

MONTHLY AND SEASONAL WEATHER DATA AND EXTREME EVENTS

Table 62. Monthly and annual means, highest and lowest values of weather variables

Variable		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
TMax	Mean	24.9	27.8	33.6	38.8	41.1	40.0	36.0	34.0	35.5	36.2	31.5	26.9	33.9
	Max	27.8	33.8	37.8	41.4	43.4	42.8	38.6	38.1	38.2	38.9	33.6	29.2	35.3
	Year	1990	2006	2004	2010	2010	1992	1987	1987	2009	2000	2007	1998	2002
	Min	23.2	24.2	30.4	34.8	37.3	37.6	32.7	31.7	31.9	32.2	28.2	23.9	32.4
	Year	1975	1972	1982	1983	1982	1997	2001	1994	1976	1997	1981	1997	1975
TMin	Mean	10.6	12.7	17.9	23.1	26.9	28.1	26.8	25.5	24.2	20.1	15.5	11.9	20.3
	Max	13.6	15.7	20.5	26.4	29.5	29.9	28.1	27.6	26.4	22.5	18.8	14.3	21.6
	Year	1988	1999	2010	2010	2010	1992	2010	1987	1999	1987	1979	2008	2009
	Min	8.6	9.3	16.0	20.8	24.5	26.0	25.2	24.1	21.3	15.8	12.1	9.0	19.2
	Year	1995	1972	1971	1983	1997	1977	1971	1979	1976	1994	1983	1994	1975
RH-I	Mean	57	52	41	37	50	64	77	82	75	55	51	56	58
	Max	76	69	57	54	65	75	89	93	91	78	73	83	68
	Year	1999	1992	2007	1983	2008	1997	1994	1994	1976	1975	2010	1997	1997
	Min	42	35	29	24	32	53	68	68	63	37	28	42	50
	Year	1972	1985	1972	1973	1989	1992	2002	1987	1972	1987	1987	1986	1972
RH-II	Mean	24	20	15	13	20	33	51	57	43	22	21	24	28
	Max	34	33	21	25	32	44	68	76	66	40	41	35	36
	Year	1994	1990	1998	1983	2008	1996	1994	1994	1975	1997	2010	1997	1997
	Min	16	10	8	7	10	22	36	38	29	13	9	16	22
	Year	1978	1985	2004	1999	1989	1992	1987	1987	1974	1987	1987	1986	1987
Rain	Mean	2.7	4.4	2.2	9.5	16.2	38.9	128.1	117.4	47.8	6.3	4.1	1.5	379.2
	Max	26.6	35.5	29.1	130.0	91.4	164.0	516.0	365.3	241.2	47.7	55.1	17.3	844.0
	Year	1992	1990	2007	1982	2008	1996	1990	1973	1975	1997	1976	2010	1990
	Min	0.0	0.0	0.0	0.0	0.0	0.3	0.0	4.1	0.0	0.0	0.0	0.0	50.6
	Year	1971	1974	1971	1973	1976	1986	2002	1993	1986	1972	1971	1971	2002
Evapo	Mean	4.2	5.8	8.6	12.0	14.2	12.8	8.5	6.3	6.9	6.6	4.9	4.0	7.9
	Max	5.7	12.4	19.5	21.5	18.3	15.6	13.1	11.0	11.3	9.3	6.8	5.4	11.7
	Year	1979	1972	1972	1972	1972	1972	1987	1987	1987	1987	1977	1976	1972
	Min	2.8	4.0	6.4	9.2	10.5	9.6	4.2	3.7	4.3	4.2	3.1	2.6	6.2
	Year	1995	2005	2006	2005	1982	2008	2001	1994	2010	1997	2010	1997	2005
WS	Mean	5.0	5.3	5.8	6.8	10.0	11.5	10.2	7.9	5.8	3.6	3.5	4.1	6.6
	Max	8.1	9.4	8.9	10.8	15.0	19.7	16.1	13.3	9.7	5.8	7.5	7.8	10.1
	Year	1973	1973	1973	1977	1976	1973	1972	1972	1987	1972	1979	1972	1972
	Min	1.9	2.4	2.9	4.2	5.6	6.8	6.0	4.0	2.8	1.4	1.3	1.4	3.9
	Year	1998	1998	2004	1993	1998	1997	1998	2010	2010	1994	1994	1996	1998
SS	Mean	8.8	9.1	9.3	9.9	10.1	9.2	6.5	6.7	9.0	9.6	9.2	8.7	8.8
	Max	9.7	10.3	10.6	11.4	11.2	10.7	9.3	9.5	10.6	10.5	10.3	9.5	9.4
	Year	1974	1971	1999	1999	1984	1979	1987	1993	1986	1989	1973	1971	1993
	Min	7.3	7.0	7.6	8.5	8.7	7.4	3.4	3.9	6.3	8.6	6.2	6.5	8.0
	Year	2008	1982	1997	1979	1982	1971	1978	1973	1975	2004	2010	2004	2006

Table 63. Mean monthly and annual maximum temperature (°C)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	24.0	28.1	33.3	40.1	39.5	37.8	34.6	33.1	35.5	35.2	31.8	27.2	33.4
1972	25.6	24.2	34.0	36.9	41.1	40.5	36.4	34.3	35.6	36.2	31.6	26.0	33.6
1973	23.6	29.1	33.2	39.9	41.5	38.5	35.3	32.1	33.5	35.3	31.2	24.5	33.1
1974	25.0	25.4	35.2	38.1	40.2	38.4	37.3	36.8	37.8	35.5	31.1	26.3	34.0
1975	23.2	25.9	31.8	38.8	41.1	38.5	34.1	33.9	32.2	32.6	29.5	27.3	32.4
1976	25.1	26.6	32.2	37.3	40.6	39.7	36.4	32.2	31.9	35.4	30.3	26.1	32.8
1977	24.0	28.7	36.2	38.0	40.4	39.0	33.3	32.3	34.5	37.6	32.8	26.3	33.6
1978	24.8	26.7	31.8	38.5	42.4	40.2	33.6	33.7	34.4	36.2	31.1	27.2	33.4
1979	24.9	26.1	31.6	39.3	39.6	41.6	36.1	33.4	36.0	34.2	30.4	26.3	33.3
1980	24.8	29.1	32.3	40.3	41.6	40.9	35.8	34.8	36.4	36.9	31.1	25.7	34.1
Mean	**24.5**	**27.0**	**33.2**	**38.7**	**40.8**	**39.5**	**35.3**	**33.6**	**34.8**	**35.5**	**31.1**	**26.3**	**33.4**
1981	24.3	28.2	32.4	39.7	41.0	41.5	35.2	34.2	36.5	36.1	28.2	26.3	33.6
1982	23.8	25.1	30.4	37.0	37.3	40.5	37.2	34.0	36.7	37.0	30.0	26.5	33.0
1983	24.7	26.0	31.3	34.8	40.1	40.5	36.1	33.8	35.3	34.7	30.3	26.1	32.8
1984	23.3	25.5	35.5	39.1	42.5	39.4	35.9	33.0	33.3	35.4	31.7	27.0	33.5
1985	24.1	29.2	36.2	37.7	41.8	38.8	35.2	33.8	36.5	35.3	32.2	27.1	34.0
1986	24.7	26.2	33.2	39.1	41.2	40.0	36.0	33.4	36.6	37.1	31.8	24.5	33.7
1987	25.4	29.3	33.6	38.9	39.1	41.0	38.6	38.1	37.8	38.3	32.7	26.3	34.9
1988	25.9	29.4	32.9	40.1	42.4	40.8	34.9	34.3	37.0	36.1	31.7	27.3	34.4
1989	23.8	27.7	33.1	38.2	42.3	39.3	36.6	34.6	35.6	36.6	32.2	26.0	33.9
1990	27.8	26.4	31.3	38.7	41.1	39.6	34.9	33.4	33.7	35.4	31.5	27.0	33.4
Mean	**24.8**	**27.3**	**33.0**	**38.3**	**40.9**	**40.2**	**36.1**	**34.3**	**35.9**	**36.2**	**31.2**	**26.4**	**33.7**
1991	24.6	27.9	33.5	37.5	40.4	41.9	38.0	34.4	34.4	36.5	30.8	27.7	34.0
1992	25.2	26.0	31.9	36.6	41.5	42.8	36.9	33.6	32.7	34.9	30.7	28.3	33.4
1993	25.3	30.2	31.8	37.9	42.1	40.8	35.4	36.4	35.7	37.3	32.7	29.0	34.6
1994	25.8	27.1	36.0	37.4	42.5	40.9	33.6	31.7	32.7	36.3	32.2	27.1	33.7
1995	23.8	28.5	31.5	37.8	42.6	42.0	36.8	33.9	36.0	36.4	31.5	26.5	34.0
1996	24.5	28.7	35.3	39.3	40.2	38.3	36.0	31.9	35.2	35.9	30.9	27.4	33.6
1997	24.9	28.5	32.8	36.8	39.2	37.6	37.2	33.1	33.9	32.2	29.0	23.9	32.4
1998	25.1	27.9	32.3	39.6	42.5	40.2	35.9	36.6	36.1	34.8	31.3	29.2	34.3
1999	24.9	27.9	34.7	41.3	40.7	39.1	37.2	33.8	37.4	36.9	33.6	27.9	34.6
2000	26.4	26.8	33.4	40.6	40.7	39.8	35.3	34.8	36.0	38.9	32.3	28.7	34.5
Mean	**25.1**	**28.0**	**33.3**	**38.5**	**41.3**	**40.3**	**36.2**	**34.0**	**35.0**	**36.0**	**31.5**	**27.6**	**33.9**
2001	25.4	29.4	34.4	38.3	41.0	38.5	32.7	33.5	37.1	38.1	32.9	28.8	34.2
2002	25.0	27.9	35.0	40.2	42.5	41.2	37.5	36.6	37.8	38.8	32.3	28.7	35.3
2003	25.4	27.2	33.6	39.6	41.4	39.3	34.3	33.7	35.2	37.0	31.6	26.6	33.8
2004	25.8	29.7	37.8	40.5	40.8	39.7	38.2	34.0	37.1	35.0	33.1	28.1	35.0
2005	23.5	26.9	34.6	38.1	40.5	41.5	36.6	34.4	36.2	36.7	33.0	26.4	34.1
2006	26.2	33.8	33.2	39.2	42.1	40.7	37.1	32.6	35.2	36.3	32.0	26.4	34.5
2007	25.8	28.7	32.6	40.7	41.7	40.3	36.0	34.7	36.3	36.5	33.6	25.6	34.4
2008	23.4	26.3	36.1	38.1	38.8	37.7	36.3	33.0	35.8	37.4	32.5	28.0	33.6
2009	25.7	29.8	35.4	38.9	42.6	40.0	36.9	36.1	38.2	36.8	30.9	27.2	34.9
2010	26.3	29.4	37.1	41.4	43.4	40.6	37.2	33.6	33.8	36.5	29.1	25.1	34.5
Mean	**25.3**	**28.9**	**35.0**	**39.5**	**41.5**	**40.0**	**36.3**	**34.2**	**36.3**	**36.9**	**32.1**	**27.1**	**34.4**
G.Mean	**24.9**	**27.8**	**33.6**	**38.8**	**41.1**	**40.0**	**36.0**	**34.0**	**35.5**	**36.2**	**31.5**	**26.9**	**33.9**
SD	1.0	1.8	1.8	1.4	1.3	1.3	1.4	1.4	1.6	1.4	1.2	1.2	0.7
CV	4.0	6.4	5.3	3.6	3.1	3.2	3.8	4.2	4.6	3.9	3.9	4.6	2.0

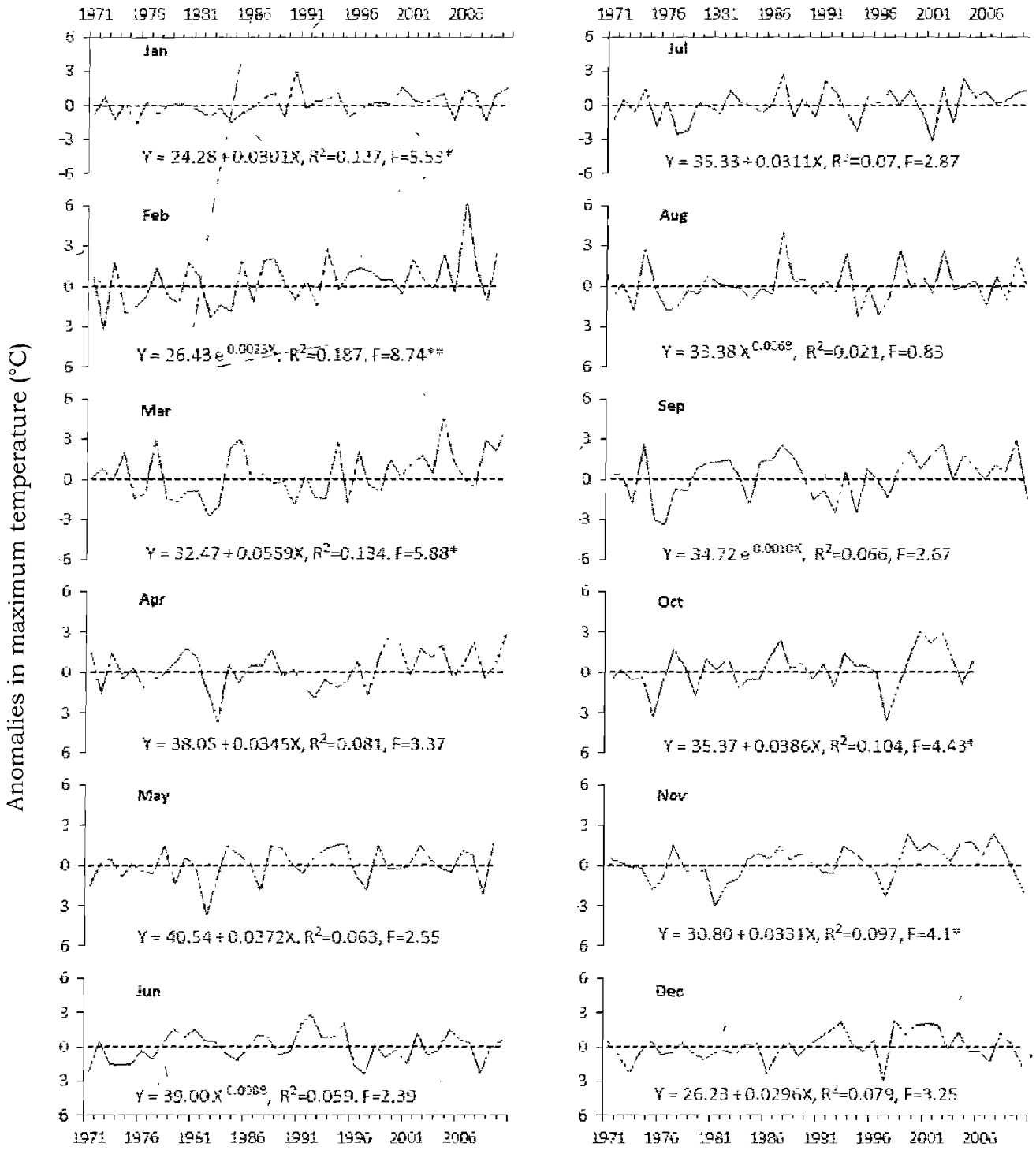


Fig. 1.1. Temperature anomalies (solid line) and trend (regression equation) of maximum temperature (°C).

Table 64. Mean monthly and annual minimum temperature (°C)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	10.0	11.6	16.0	23.7	25.6	26.7	25.2	24.4	23.2	19.8	15.2	11.8	19.5
1972	11.6	9.3	18.0	21.6	25.5	27.5	26.2	25.1	22.5	19.4	15.0	12.4	19.5
1973	9.7	14.5	17.7	23.4	26.2	27.4	25.7	24.5	23.2	18.2	12.8	9.9	19.5
1974	9.6	10.8	18.0	22.8	25.0	26.2	26.8	26.3	24.6	19.5	16.0	11.7	19.8
1975	9.5	12.5	16.0	22.3	26.3	26.4	26.1	25.3	23.4	19.3	12.6	10.1	19.2
1976	11.3	12.7	17.6	22.0	25.9	27.3	27.1	24.3	21.3	18.4	17.7	12.1	19.8
1977	9.9	13.4	18.4	22.9	26.0	26.0	25.4	24.3	22.9	19.6	18.0	11.7	19.9
1978	9.5	12.7	16.7	23.2	26.7	27.8	25.8	25.1	22.7	19.9	16.5	12.1	19.9
1979	11.4	12.4	16.5	22.1	24.6	28.3	26.5	24.1	23.2	19.8	18.8	13.5	20.1
1980	10.4	13.3	18.5	24.0	26.7	29.0	26.6	25.6	24.6	20.9	17.1	11.5	20.7
Mean	**10.3**	**12.3**	**17.3**	**22.8**	**25.9**	**27.2**	**26.1**	**24.9**	**23.2**	**19.5**	**16.0**	**11.7**	**19.8**
1981	10.5	13.4	17.8	23.1	26.2	28.6	26.8	24.9	25.1	20.8	14.1	12.9	20.4
1982	11.6	13.0	17.1	21.8	24.9	27.8	26.9	25.8	24.2	21.8	17.0	13.3	20.5
1983	10.2	12.5	17.0	20.8	26.3	28.2	26.6	25.8	25.1	19.9	12.1	11.3	19.7
1984	10.2	10.3	18.3	23.4	27.5	28.0	26.3	25.0	22.5	18.3	14.4	11.9	19.7
1985	11.6	11.4	19.1	23.3	27.0	27.4	26.5	25.3	24.5	19.9	16.8	12.8	20.5
1986	11.3	13.0	18.2	23.7	26.3	29.0	26.7	24.5	24.3	20.9	16.1	10.4	20.4
1987	11.8	13.6	18.7	22.9	25.8	28.8	27.9	27.6	26.2	22.5	16.6	12.7	21.3
1988	13.6	15.2	18.5	24.9	28.0	29.0	26.9	25.5	26.0	21.0	14.8	12.8	21.4
1989	9.2	12.0	18.6	22.3	26.6	27.9	26.7	25.6	23.7	19.9	16.3	12.2	20.1
1990	12.4	14.2	16.3	23.8	27.8	28.3	26.1	25.5	24.2	19.5	14.4	11.2	20.3
Mean	**11.3**	**12.9**	**18.0**	**23.0**	**26.6**	**28.3**	**26.7**	**25.6**	**24.6**	**20.5**	**15.3**	**12.1**	**20.4**
1991	9.9	12.7	18.9	22.1	27.3	28.9	27.4	25.6	23.2	17.8	15.0	12.3	20.1
1992	11.3	12.1	17.0	22.3	27.0	29.9	27.0	25.7	21.7	19.9	14.1	11.7	20.0
1993	10.3	12.1	16.9	23.0	27.0	28.3	26.7	26.1	24.7	22.2	15.6	11.3	20.4
1994	12.1	12.1	18.9	22.2	27.7	28.8	26.1	24.7	21.7	15.8	13.2	9.0	19.4
1995	8.6	12.1	17.1	22.8	29.0	29.3	27.1	26.1	24.8	21.8	13.8	13.2	20.5
1996	10.3	12.4	19.8	21.2	25.7	27.5	27.0	24.3	23.2	19.6	12.5	10.0	19.5
1997	9.2	10.7	17.8	21.0	24.5	26.1	27.7	25.4	23.9	19.7	17.2	10.9	19.6
1998	10.3	12.6	17.1	24.7	28.2	28.4	27.5	26.8	25.6	20.7	16.0	10.1	20.7
1999	10.0	15.7	17.2	23.3	27.9	27.8	27.5	25.7	26.4	20.3	15.2	11.3	20.7
2000	10.5	11.1	16.5	24.4	28.1	28.6	26.8	26.1	24.1	19.9	14.7	11.1	20.2
Mean	**10.3**	**12.4**	**17.7**	**22.7**	**27.3**	**28.3**	**27.1**	**25.7**	**23.9**	**19.8**	**14.7**	**11.1**	**20.1**
2001	9.3	12.8	17.8	22.7	27.8	28.0	25.7	24.9	23.3	21.0	15.5	11.9	20.1
2002	9.9	11.7	18.4	24.1	28.1	29.4	27.4	27.0	25.3	21.5	17.3	13.5	21.2
2003	11.2	13.8	18.1	24.3	27.0	28.6	26.0	26.0	24.5	18.3	15.4	11.7	20.4
2004	10.7	12.6	17.7	24.6	27.9	27.8	27.7	25.2	25.4	20.4	16.0	13.4	20.8
2005	10.0	12.8	19.7	21.7	27.0	28.9	26.9	25.4	26.0	19.6	15.5	11.0	20.4
2006	10.3	15.7	18.3	24.1	28.8	28.5	28.1	25.0	24.8	22.2	16.2	13.0	21.3
2007	10.7	14.9	17.4	24.7	28.2	29.5	27.4	26.1	25.5	18.8	14.5	12.0	20.8
2008	10.7	9.6	19.4	22.9	26.0	28.1	27.5	25.4	25.4	20.6	15.8	14.3	20.5
2009	12.4	14.5	19.7	22.7	29.2	28.7	27.8	27.1	25.9	20.9	16.3	13.9	21.6
2010	10.9	13.8	20.5	26.4	29.5	28.9	28.1	26.5	23.7	21.3	17.5	9.9	21.5
Mean	**10.6**	**13.2**	**18.7**	**23.8**	**28.0**	**28.6**	**27.3**	**25.9**	**25.0**	**20.5**	**16.0**	**12.5**	**20.9**
G.Mean	**10.6**	**12.7**	**17.9**	**23.1**	**26.9**	**28.1**	**26.8**	**25.5**	**24.2**	**20.1**	**15.5**	**11.9**	**20.3**
SD	1.0	1.5	1.1	1.2	1.3	0.9	0.7	0.8	1.3	1.3	1.6	1.2	0.6
CV	9.8	11.7	6.1	5.1	4.7	3.4	2.7	3.2	5.4	6.7	10.2	10.3	3.1

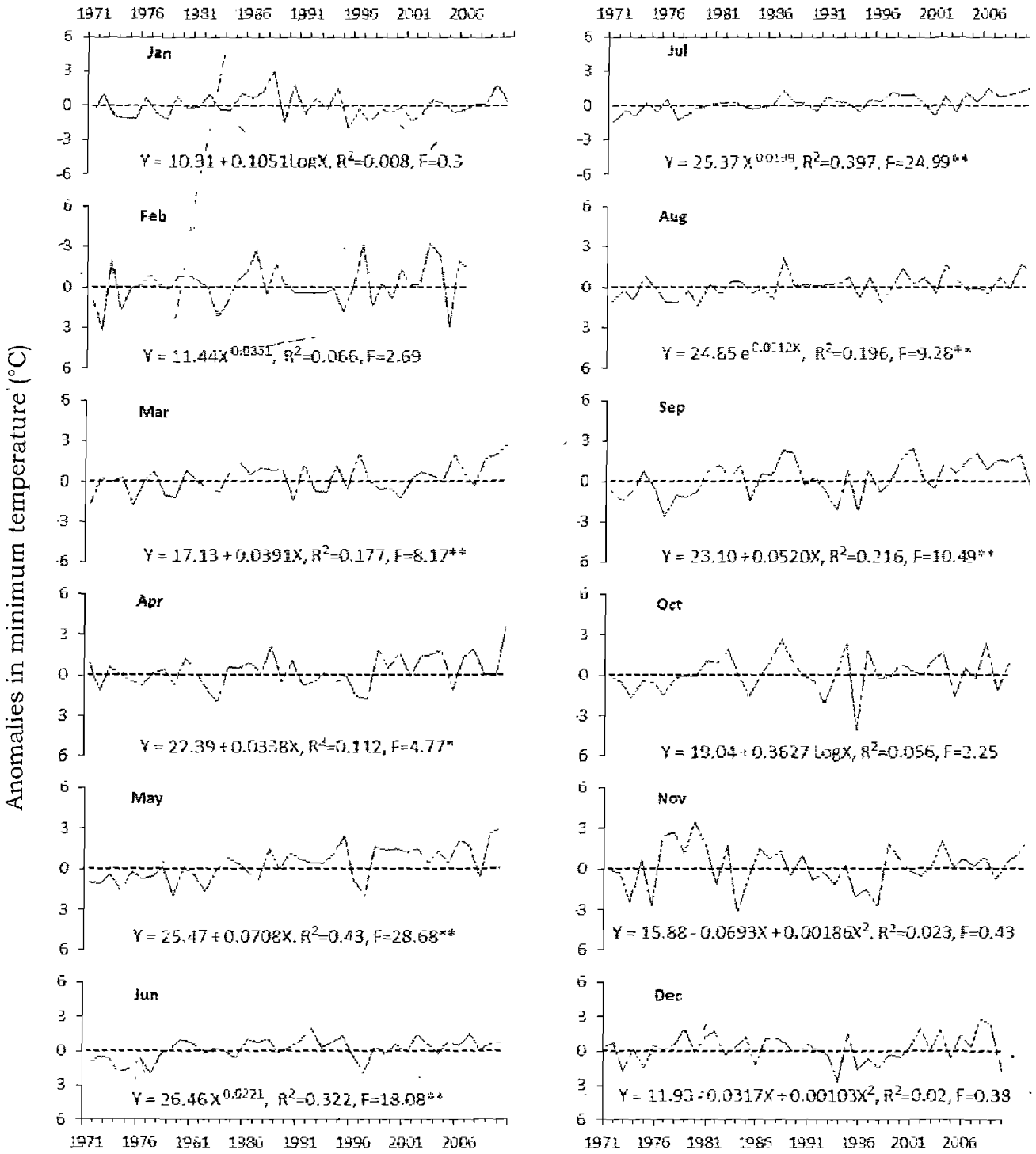


Fig. 12. Temperature anomalies (solid line) and trend (regression equation) of minimum temperature (°C).

Table 65. Mean monthly and annual diurnal temperature range (°C)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	14.0	16.5	17.3	16.4	13.9	11.1	9.4	8.7	12.3	15.4	16.6	15.4	13.9
1972	14.0	14.9	16.0	15.3	15.6	13.0	10.2	9.2	13.1	16.8	16.6	13.6	14.1
1973	13.9	14.6	15.5	16.5	15.3	11.1	9.6	7.6	10.3	17.1	18.4	14.6	13.6
1974	15.4	14.6	17.2	15.3	15.2	12.2	10.5	10.5	13.2	16.0	15.1	14.6	14.2
1975	13.7	13.4	15.8	16.5	14.8	12.1	8.0	8.6	8.8	13.3	16.9	17.2	13.2
1976	13.8	13.9	14.6	15.3	14.7	12.4	9.3	7.9	10.6	17.0	12.6	14.0	13.0
1977	14.1	15.3	17.8	15.1	14.4	13.0	7.9	8.0	11.6	18.0	14.8	14.6	13.7
1978	15.3	14.0	15.1	15.3	15.7	12.4	7.8	8.6	11.7	16.3	14.6	15.1	13.5
1979	13.5	13.7	15.1	17.2	15.0	13.3	9.6	9.3	12.8	14.4	11.6	12.8	13.2
1980	14.4	15.8	13.8	16.3	14.9	11.9	9.2	9.2	11.8	16.0	14.0	14.2	13.4
Mean	**14.2**	**14.7**	**15.8**	**15.9**	**15.0**	**12.3**	**9.2**	**8.8**	**11.6**	**16.0**	**15.1**	**14.6**	**13.6**
1981	13.8	14.8	14.6	16.6	14.8	12.9	8.4	9.3	11.4	15.3	14.1	13.4	13.2
1982	12.2	12.1	13.3	15.2	12.4	12.7	10.3	8.2	12.5	15.2	13.0	13.2	12.5
1983	14.5	13.5	14.3	14.0	13.8	12.3	9.5	8.0	10.2	14.8	18.2	14.8	13.1
1984	13.1	15.2	17.2	15.7	15.0	11.4	9.6	8.0	10.8	17.1	17.3	15.1	13.8
1985	12.5	17.8	17.1	14.4	14.8	11.4	8.7	8.5	12.0	15.4	15.4	14.3	13.5
1986	13.4	13.2	15.0	15.4	14.9	11.0	9.3	8.9	12.3	16.2	15.7	14.1	13.3
1987	13.6	15.7	14.9	16.0	13.3	12.2	10.7	10.5	11.6	15.8	16.1	13.6	13.6
1988	12.3	14.2	14.4	15.2	14.4	11.8	8.0	8.8	11.0	15.1	16.9	14.5	13.0
1989	14.6	15.7	14.5	15.9	15.7	11.4	9.9	9.0	11.9	16.7	15.9	13.8	13.8
1990	15.4	12.2	15.0	14.9	13.3	11.3	8.8	7.9	9.5	15.9	17.1	15.8	13.1
Mean	**13.5**	**14.4**	**15.0**	**15.3**	**14.2**	**11.8**	**9.3**	**8.7**	**11.3**	**15.8**	**16.0**	**14.3**	**13.3**
1991	14.7	15.2	14.6	15.4	13.1	13.0	10.6	8.8	11.2	18.7	15.8	15.4	13.9
1992	13.9	13.9	14.9	14.3	14.5	12.9	9.9	7.9	11.0	15.0	16.6	16.6	13.4
1993	15.0	18.1	14.9	14.9	15.1	12.5	8.7	10.3	11.0	15.1	17.1	17.7	14.2
1994	13.7	15.0	17.1	15.2	14.8	12.1	7.5	7.0	11.0	20.5	19.0	18.1	14.3
1995	15.2	16.4	14.4	15.0	13.6	12.7	9.7	7.8	11.2	14.6	17.7	13.3	13.5
1996	14.2	16.3	15.5	18.1	14.5	10.8	9.0	7.6	12.0	16.3	18.4	17.4	14.1
1997	15.7	17.8	15.0	15.8	14.7	11.5	9.5	7.7	10.0	12.5	11.8	13.0	12.8
1998	14.8	15.3	15.2	14.9	14.3	11.8	8.4	9.8	10.5	14.1	15.3	19.1	13.6
1999	14.9	12.2	17.5	18.0	12.8	11.3	9.7	8.1	11.0	16.6	18.4	16.6	13.9
2000	15.9	15.7	16.9	16.2	12.6	11.2	8.5	8.7	11.9	19.0	17.6	17.6	14.3
Mean	**14.8**	**15.6**	**15.6**	**15.8**	**14.0**	**12.0**	**9.2**	**8.4**	**11.1**	**16.2**	**16.8**	**16.5**	**13.8**
2001	16.1	16.6	16.6	15.6	13.2	10.5	7.0	8.6	13.8	17.1	17.4	16.9	14.1
2002	15.1	16.2	16.6	16.1	14.4	11.8	10.1	9.6	12.5	17.3	15.0	15.2	14.1
2003	14.2	13.4	15.5	15.3	14.4	10.7	8.3	7.7	10.7	18.7	16.2	14.9	13.4
2004	15.1	17.1	20.1	15.9	12.9	11.9	10.5	8.8	11.7	14.6	17.1	14.7	14.2
2005	13.5	14.1	14.9	16.4	13.5	12.6	9.7	9.0	10.2	17.1	17.5	15.4	13.7
2006	15.9	18.1	14.9	15.1	13.3	12.2	9.0	7.6	10.4	14.1	15.8	13.4	13.2
2007	15.1	13.8	15.2	16.0	13.5	10.8	8.6	8.6	10.8	17.7	19.1	13.6	13.6
2008	12.7	16.7	16.7	15.2	12.8	9.6	8.8	7.6	10.4	16.8	16.7	13.7	13.1
2009	13.3	15.3	15.7	16.2	13.4	11.3	9.1	9.0	12.3	15.9	14.6	13.3	13.3
2010	15.4	15.6	16.6	15.0	13.9	11.7	9.1	7.1	10.1	15.2	11.6	15.2	13.0
Mean	**14.6**	**15.7**	**16.3**	**15.7**	**13.5**	**11.3**	**9.0**	**8.4**	**11.3**	**16.5**	**16.1**	**14.6**	**13.6**
G.Mean	**14.3**	**15.1**	**15.7**	**15.7**	**14.2**	**11.8**	**9.2**	**8.6**	**11.3**	**16.1**	**16.0**	**15.0**	**13.6**
SD	1.0	1.6	1.3	0.9	0.9	0.8	0.9	0.9	1.1	1.6	2.0	1.6	0.5
CV	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0

Table 66. Mean monthly and annual RH-I (%)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	44	39	29	31	53	70	79	81	70	56	37	43	53
1972	42	40	29	38	37	64	75	81	63	40	45	51	50
1973	48	45	33	24	49	68	84	90	88	55	50	59	58
1974	44	39	38	41	56	68	72	74	65	57	50	52	55
1975	55	45	33	25	53	67	80	87	90	78	48	52	60
1976	59	64	48	41	63	63	77	87	91	65	65	48	64
1977	50	45	40	48	55	68	89	88	83	55	53	52	60
1978	48	51	41	42	50	64	86	84	79	52	49	52	58
1979	55	57	43	30	41	60	74	84	69	68	56	55	58
1980	51	45	36	28	51	61	79	77	69	48	43	53	54
Mean	**50**	**47**	**37**	**35**	**51**	**65**	**79**	**83**	**77**	**57**	**50**	**52**	**57**
1981	63	47	47	27	47	60	78	84	70	53	69	46	58
1982	58	57	46	46	55	64	74	82	67	53	58	51	59
1983	46	47	36	54	54	61	78	85	79	59	46	51	58
1984	46	37	37	30	47	68	74	89	80	45	41	46	53
1985	56	35	34	40	45	68	75	80	68	52	39	49	54
1986	50	53	34	32	45	61	75	83	70	56	54	42	55
1987	55	51	48	33	50	62	69	68	63	37	28	55	52
1988	52	43	39	29	52	60	83	87	76	55	39	49	55
1989	51	38	38	25	32	64	75	82	79	44	46	56	53
1990	52	66	42	38	57	66	78	87	88	56	57	54	62
Mean	**53**	**48**	**40**	**36**	**48**	**63**	**76**	**83**	**74**	**51**	**48**	**50**	**56**
1991	60	53	51	41	53	57	73	79	76	47	51	63	59
1992	60	69	48	36	40	53	75	84	82	62	55	66	61
1993	63	56	42	41	49	66	84	74	75	59	54	55	60
1994	73	60	39	43	48	68	89	93	85	64	63	72	66
1995	71	62	45	41	35	60	79	81	75	57	54	56	60
1996	62	55	43	37	55	72	81	87	77	56	54	52	61
1997	61	51	49	42	55	75	77	86	85	78	67	83	68
1998	62	62	55	46	47	69	76	77	76	69	56	65	63
1999	76	57	38	28	60	68	72	76	67	60	51	59	59
2000	68	57	40	42	57	62	80	79	69	47	54	53	59
Mean	**66**	**58**	**45**	**40**	**50**	**65**	**79**	**82**	**77**	**60**	**56**	**63**	**62**
2001	60	45	38	41	59	69	86	85	65	57	45	59	59
2002	59	52	40	35	54	61	68	69	66	40	45	56	54
2003	60	57	38	34	42	69	86	91	81	44	44	63	59
2004	70	57	34	42	50	65	68	86	66	58	50	55	58
2005	63	62	52	31	46	60	76	78	73	50	47	45	57
2006	54	56	44	39	53	60	73	86	79	59	53	59	60
2007	53	68	57	41	51	63	77	81	73	45	53	56	60
2008	44	50	41	44	65	68	72	83	73	56	51	61	59
2009	61	54	44	30	49	60	75	75	69	50	50	54	56
2010	68	49	41	35	40	57	77	85	81	61	73	73	62
Mean	**59**	**55**	**43**	**37**	**51**	**63**	**76**	**82**	**73**	**52**	**51**	**58**	**58**
G.Mean	**57**	**52**	**41**	**37**	**50**	**64**	**77**	**82**	**75**	**55**	**51**	**56**	**58**
SD	8.6	8.8	6.5	6.9	7.3	4.6	5.3	5.6	7.8	9.2	8.9	8.3	3.8
CV	15.1	17.0	15.9	18.9	14.7	7.1	6.8	6.7	10.4	16.7	17.4	14.9	6.6

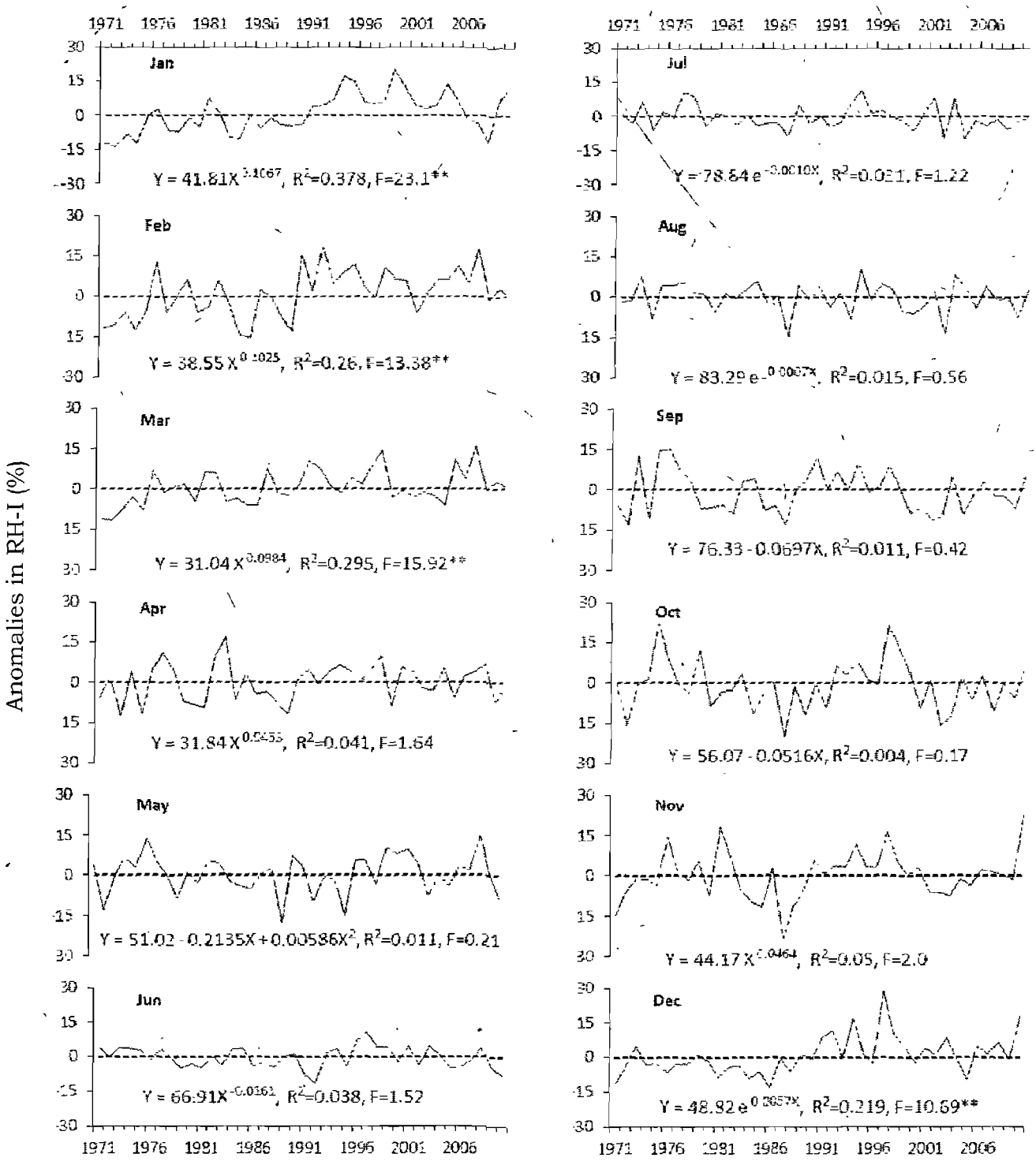


Fig. 13. Anomalies (solid line) and trend (regression equation) of RH-I (%).

Table 67. Mean monthly and annual RH-II (%)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	18	14	9	10	22	38	52	55	37	22	15	18	26
1972	18	15	11	17	13	28	43	56	31	14	17	23	24
1973	22	18	14	10	20	38	56	73	59	28	21	23	32
1974	19	17	16	19	28	36	45	40	29	23	23	22	26
1975	23	21	11	9	19	37	54	60	66	40	18	20	32
1976	32	31	21	17	20	31	49	66	57	25	41	19	34
1977	21	18	16	16	19	35	66	64	46	16	22	22	30
1978	16	22	14	13	14	31	61	56	42	19	22	19	27
1979	23	25	13	9	16	27	46	55	33	29	36	26	28
1980	19	14	14	8	17	31	51	49	34	16	16	27	25
Mean	**21**	**20**	**14**	**13**	**19**	**33**	**52**	**57**	**43**	**23**	**23**	**22**	**28**
1981	24	15	19	9	16	25	49	54	39	22	29	21	27
1982	29	22	16	17	29	30	45	54	33	20	27	24	29
1983	17	16	14	25	25	29	52	61	50	24	14	22	29
1984	21	11	10	10	12	38	45	63	48	16	15	21	26
1985	26	10	10	14	15	33	48	53	34	24	17	23	26
1986	22	21	14	14	18	32	49	54	34	21	25	16	27
1987	22	18	18	10	21	29	36	38	29	13	9	26	22
1988	27	17	16	10	14	29	58	60	43	19	12	21	27
1989	19	11	13	8	10	32	46	53	46	16	17	25	25
1990	20	33	15	14	25	32	52	64	58	20	20	22	31
Mean	**23**	**17**	**14**	**13**	**18**	**31**	**48**	**55**	**41**	**19**	**19**	**22**	**27**
1991	25	21	20	17	22	28	46	53	44	16	23	24	28
1992	28	26	19	14	16	22	47	61	50	26	23	22	30
1993	28	21	16	15	18	32	58	47	45	24	22	27	30
1994	34	24	12	15	17	38	68	76	57	23	23	35	35
1995	32	21	19	18	13	29	50	57	42	25	18	30	29
1996	27	19	16	12	25	44	55	68	45	24	21	21	32
1997	24	15	20	16	25	43	46	62	58	40	39	35	36
1998	22	25	21	18	18	36	52	49	45	32	20	17	30
1999	30	28	11	7	26	36	45	54	37	24	17	25	28
2000	25	20	16	15	26	30	54	52	36	14	18	23	27
Mean	**27**	**22**	**17**	**14**	**21**	**34**	**52**	**58**	**46**	**25**	**22**	**26**	**30**
2001	24	15	12	14	25	39	67	62	32	19	15	17	29
2002	23	14	12	12	22	29	38	41	29	13	18	23	23
2003	26	22	12	13	16	36	67	69	48	14	18	24	31
2004	27	17	8	13	20	33	37	57	35	27	17	23	26
2005	26	26	19	11	16	27	48	52	44	16	16	18	27
2006	20	16	16	13	22	28	45	67	47	26	22	28	29
2007	21	31	20	13	21	37	51	55	42	15	17	26	29
2008	19	17	13	17	32	44	47	59	41	19	18	30	30
2009	29	19	16	10	19	31	52	45	30	18	22	27	26
2010	24	17	13	12	14	29	49	63	53	25	41	29	31
Mean	**24**	**19**	**14**	**13**	**20**	**33**	**50**	**57**	**40**	**19**	**20**	**24**	**28**
G.Mean	**24**	**20**	**15**	**13**	**20**	**33**	**51**	**57**	**43**	**22**	**21**	**24**	**28**
SD	4.3	5.5	3.5	3.7	5.0	5.1	7.7	8.3	9.6	6.5	7.3	4.5	3.0
CV	18.2	28.1	23.5	28.2	25.8	15.4	15.1	14.7	22.6	30.2	35.0	18.9	10.6

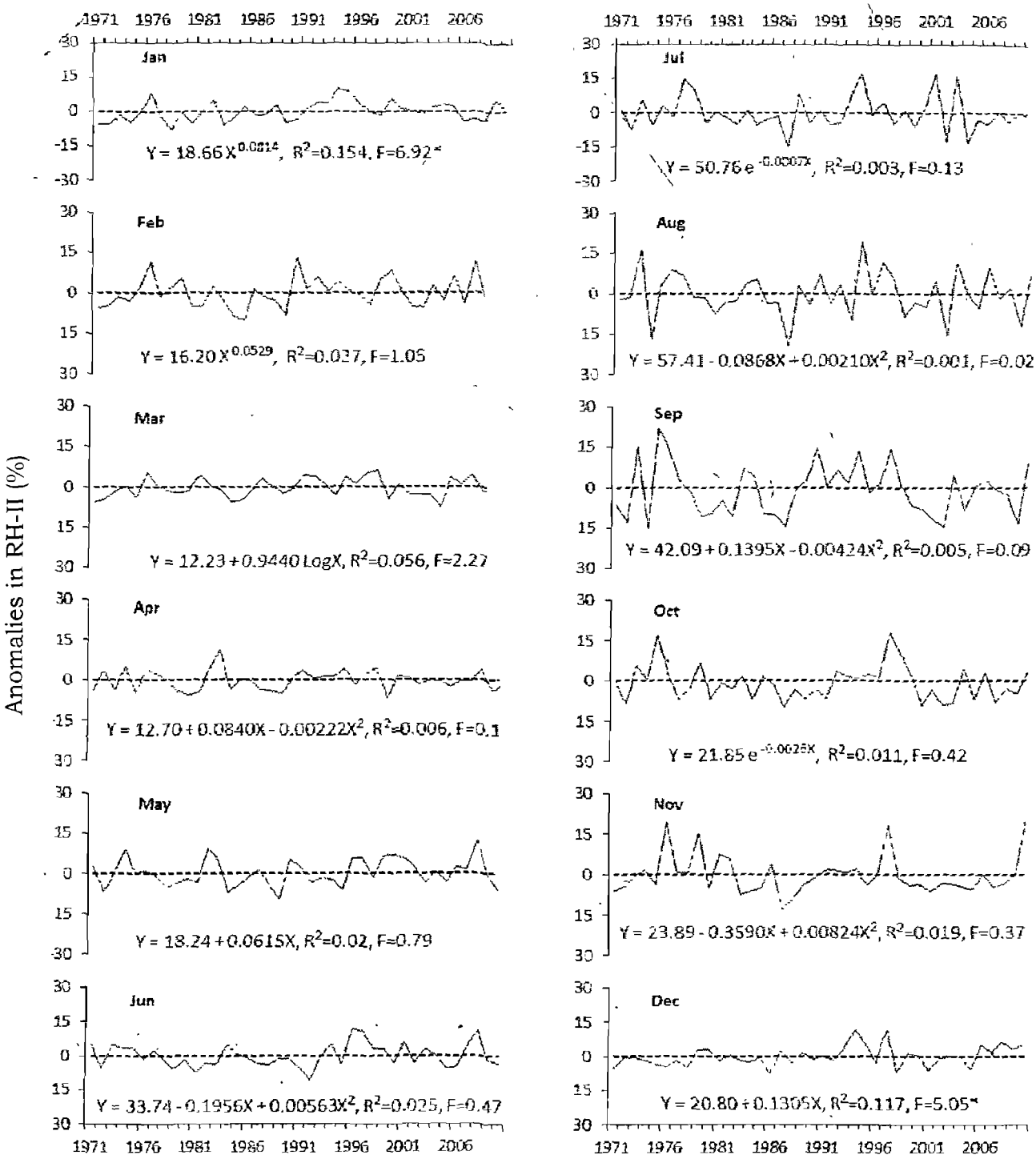


Fig. 14. Anomalies (solid line) and trend (regression equation) of RH-II (%).

Table 68. Total monthly and annual rainfall (mm)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	0.0	2.9	0.0	2.5	25.9	57.4	79.8	103.5	32.7	2.9	0.0	0.0	307.6
1972	0.0	0.7	0.0	1.8	16.6	13.4	27.0	299.4	4.2	0.0	0.0	0.0	363.1
1973	0.5	0.5	0.0	0.0	23.6	71.6	109.9	365.3	70.4	0.0	0.0	0.0	641.8
1974	0.0	0.0	0.0	0.0	15.8	51.8	119.3	16.5	36.1	4.4	7.7	1.8	253.5
1975	0.0	0.5	1.7	0.0	8.1	30.8	147.3	112.5	241.2	20.8	0.0	0.0	562.9
1976	0.0	10.5	0.0	7.1	0.0	14.5	74.7	258.0	216.1	0.0	55.1	0.0	636.0
1977	8.1	3.5	0.0	4.0	5.8	102.7	133.0	77.9	18.0	0.0	0.0	1.8	354.8
1978	0.0	13.5	0.0	5.6	0.0	25.9	162.6	109.9	25.2	0.0	12.2	0.0	354.9
1979	0.0	19.9	0.0	0.0	37.4	28.6	470.8	205.3	5.4	16.2	1.5	0.0	785.1
1980	0.5	1.0	0.0	0.0	2.2	49.3	149.6	4.3	37.4	0.0	0.5	14.6	259.4
Mean	**0.9**	**5.3**	**0.2**	**2.1**	**13.5**	**44.6**	**147.4**	**155.3**	**68.7**	**4.4**	**7.7**	**1.8**	**451.9**
1981	3.0	0.0	9.7	0.8	16.2	0.4	53.1	68.5	124.5	2.2	38.2	0.0	316.6
1982	14.4	1.1	9.1	130.0	58.7	8.3	101.0	82.1	0.9	11.6	0.0	0.0	417.2
1983	0.5	1.0	0.0	31.3	38.3	32.4	277.1	88.2	10.8	33.0	0.0	0.0	512.6
1984	0.0	0.0	0.0	3.5	0.0	6.5	45.2	85.8	90.1	0.0	0.0	0.0	231.1
1985	0.0	0.0	0.0	21.2	40.5	0.7	62.9	74.2	5.2	9.4	0.0	0.0	214.1
1986	0.0	0.6	0.0	0.0	54.9	0.3	141.4	41.7	0.0	9.7	0.0	0.0	248.6
1987	6.0	0.0	4.6	0.0	28.2	32.6	17.6	14.2	0.0	0.0	0.0	7.5	110.7
1988	5.4	0.0	0.0	0.0	0.0	29.1	96.1	92.1	47.1	0.0	0.0	0.0	269.8
1989	3.8	0.0	5.1	0.0	0.0	12.0	52.0	139.4	18.1	0.0	0.0	0.0	230.4
1990	0.0	35.5	0.0	0.0	30.7	2.9	516.0	180.0	77.7	1.2	0.0	0.0	844.0
Mean	**3.3**	**3.8**	**2.8**	**18.7**	**26.8**	**12.5**	**136.2**	**86.6**	**37.4**	**6.7**	**3.8**	**0.8**	**339.5**
1991	0.0	0.0	0.0	11.1	0.0	10.2	74.7	96.4	11.0	0.0	0.0	0.6	204.0
1992	26.6	12.8	3.7	0.0	5.0	4.2	82.1	104.7	196.3	0.0	0.0	0.0	435.4
1993	3.2	0.7	0.0	28.6	0.0	92.0	136.9	4.1	47.4	11.7	1.6	0.0	326.2
1994	23.6	0.0	0.0	27.0	0.8	11.2	191.2	254.3	87.8	0.0	0.0	0.0	595.9
1995	1.8	0.0	0.7	0.0	0.0	26.7	229.6	75.5	0.8	4.5	0.0	0.0	339.6
1996	1.4	3.4	0.0	4.8	30.8	164.0	145.6	273.5	4.7	0.0	0.0	0.0	628.2
1997	0.0	0.0	1.5	0.4	20.1	66.4	50.2	201.1	42.8	47.7	9.8	0.0	440.0
1998	0.0	3.8	14.0	36.0	0.0	163.0	56.7	105.3	52.4	47.3	0.0	0.0	478.5
1999	6.0	14.2	0.0	0.0	11.7	48.5	58.6	138.6	7.8	10.7	0.0	0.0	296.1
2000	0.0	0.5	0.0	2.5	5.0	19.3	214.1	46.4	3.0	1.5	0.5	0.0	292.8
Mean	**6.3**	**3.5**	**2.0**	**11.0**	**7.3**	**60.5**	**124.0**	**130.0**	**45.4**	**12.3**	**1.2**	**0.1**	**403.7**
2001	0.0	0.0	0.0	7.3	33.9	53.5	203.6	113.7	10.6	14.6	0.0	0.0	437.2
2002	0.0	0.7	0.0	4.7	0.6	7.7	0.0	13.8	11.0	0.0	0.6	11.5	50.6
2003	0.7	23.1	2.7	0.0	0.4	64.6	260.3	65.3	1.6	0.0	0.0	0.0	418.7
2004	0.0	0.0	0.0	0.2	0.0	31.5	35.1	139.5	11.1	2.2	0.0	0.2	219.8
2005	0.0	4.0	0.3	5.3	23.3	14.1	132.9	77.2	25.9	0.0	0.0	0.0	283.0
2006	0.0	0.0	0.8	6.0	0.0	21.0	27.7	185.5	29.2	0.0	0.0	0.2	270.4
2007	0.0	22.0	29.1	14.8	1.0	22.3	73.4	77.2	83.7	0.0	0.0	0.2	323.7
2008	0.0	0.0	1.6	24.6	91.4	97.5	66.2	138.8	13.8	0.0	0.0	3.9	437.8
2009	0.0	0.0	2.8	0.4	21.6	21.4	115.2	44.1	6.5	0.0	0.0	0.0	212.0
2010	1.5	0.5	0.0	0.2	0.0	45.4	133.9	120.7	202.9	0.0	39.8	17.3	562.2
Mean	**0.2**	**5.0**	**3.7**	**6.4**	**17.2**	**37.9**	**104.8**	**97.6**	**39.6**	**1.7**	**4.0**	**3.3**	**321.5**
G.Mean	**2.7**	**4.4**	**2.2**	**9.5**	**16.2**	**38.9**	**128.1**	**117.4**	**47.8**	**6.3**	**4.1**	**1.5**	**379.2**
SD	6.0	8.2	5.3	21.9	20.5	39.5	107.8	83.9	63.9	11.9	12.1	4.0	174.3
CV	221.5	186.2	242.9	230.9	126.4	101.6	84.1	71.4	133.7	189.5	294.5	268.9	46.0

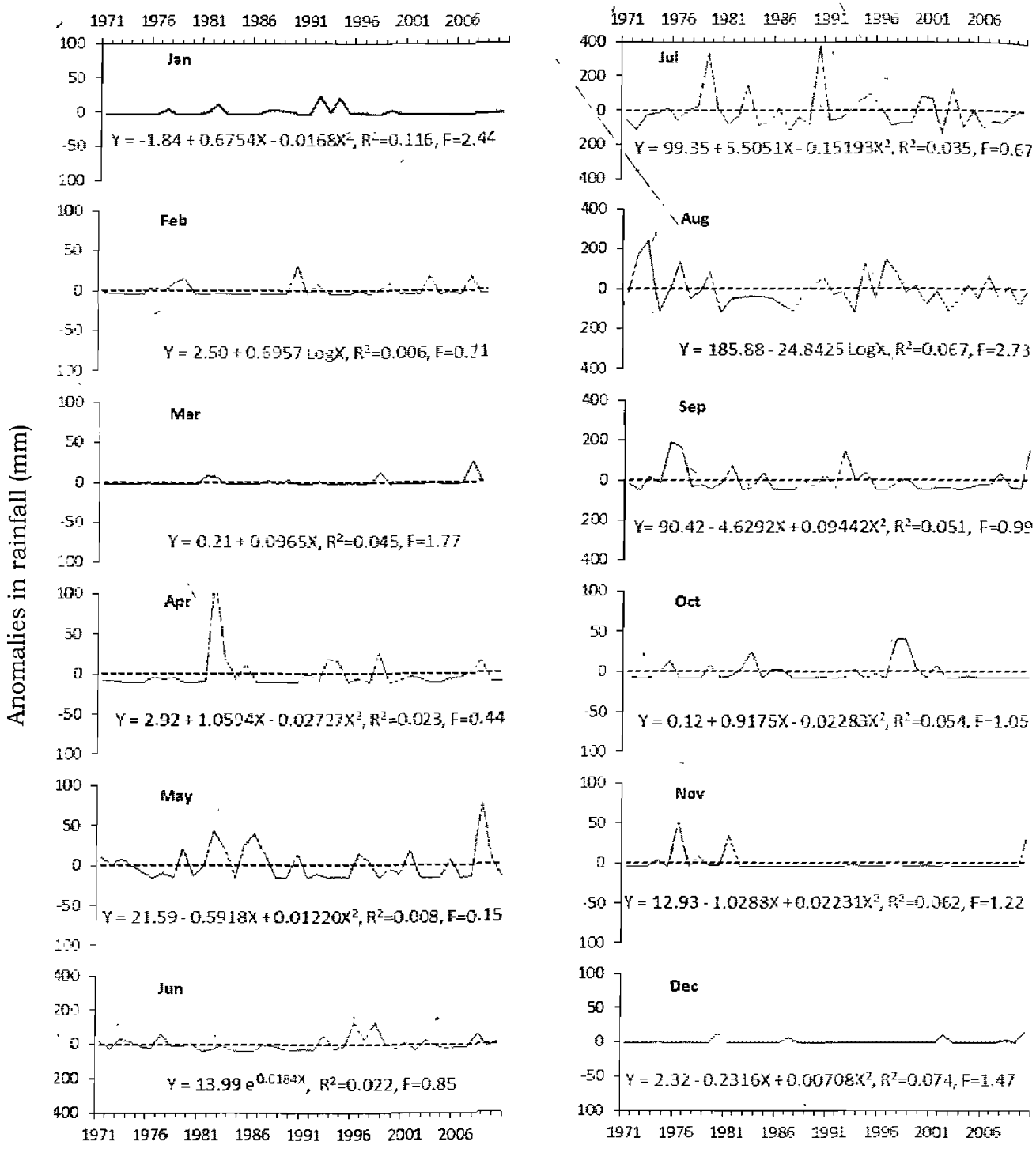


Fig. 15. Anomalies (solid line) and trend (regression equation) of rainfall (mm).

Table 69. Seasonal distribution of rainfall (mm)

Year	Monsoon (Jun-Sep)		Post-monsoon (Oct-Dec)		Winter (Jan-Feb)		Summer (Mar-May)		Annual
	Amount (mm)	% of Annual	Amount (mm)	% of Annual	Amount (mm)	% of Annual	Amount (mm)	% of Annual	
1971	273.4	88.9	2.9	0.9	2.9	0.9	28.4	9.2	307.6
1972	344.0	94.7	0.0	0.0	0.7	0.2	18.4	5.1	363.1
1973	617.2	96.2	0.0	0.0	1.0	0.2	23.6	3.7	641.8
1974	223.7	88.2	13.9	5.5	0.0	0.0	15.8	6.2	253.5
1975	531.8	94.5	20.8	3.7	0.5	0.1	9.8	1.7	562.9
1976	563.3	88.6	55.1	8.7	10.5	1.7	7.1	1.1	636.0
1977	331.6	93.5	1.8	0.5	11.6	3.3	9.8	2.8	354.8
1978	323.6	91.2	12.2	3.4	13.5	3.8	5.6	1.6	354.9
1979	710.1	90.4	17.7	2.3	19.9	2.5	37.4	4.8	785.1
1980	240.6	92.8	15.1	5.8	1.5	0.6	2.2	0.8	259.4
1981	246.5	77.9	40.4	12.8	3.0	0.9	26.7	8.4	316.6
1982	192.3	46.1	11.6	2.8	15.5	3.7	197.8	47.4	417.2
1983	408.5	79.7	33.0	6.4	1.5	0.3	69.6	13.6	512.6
1984	227.6	98.5	0.0	0.0	0.0	0.0	3.5	1.5	231.1
1985	143.0	66.8	9.4	4.4	0.0	0.0	61.7	28.8	214.1
1986	183.4	73.8	9.7	3.9	0.6	0.2	54.9	22.1	248.6
1987	64.4	58.2	7.5	6.8	6.0	5.4	32.8	29.6	110.7
1988	264.4	98.0	0.0	0.0	5.4	2.0	0.0	0.0	269.8
1989	221.5	96.1	0.0	0.0	3.8	1.6	5.1	2.2	230.4
1990	776.6	92.0	1.2	0.1	35.5	4.2	30.7	3.6	844.0
1991	192.3	94.3	0.6	0.3	0.0	0.0	11.1	5.4	204.0
1992	387.3	89.0	0.0	0.0	39.4	9.0	8.7	2.0	435.4
1993	280.4	86.0	13.3	4.1	3.9	1.2	28.6	8.8	326.2
1994	544.5	91.4	0.0	0.0	23.6	4.0	27.8	4.7	595.9
1995	332.6	97.9	4.5	1.3	1.8	0.5	0.7	0.2	339.6
1996	587.8	93.6	0.0	0.0	4.8	0.8	35.6	5.7	628.2
1997	360.5	81.9	57.5	13.1	0.0	0.0	22.0	5.0	440.0
1998	377.4	78.9	47.3	9.9	3.8	0.8	50.0	10.4	478.5
1999	253.5	85.6	10.7	3.6	20.2	6.8	11.7	4.0	296.1
2000	282.8	96.6	2.0	0.7	0.5	0.2	7.5	2.6	292.8
2001	381.4	87.2	14.6	3.3	0.0	0.0	41.2	9.4	437.2
2002	32.5	64.2	12.1	23.9	0.7	1.4	5.3	10.5	50.6
2003	391.8	93.6	0.0	0.0	23.8	5.7	3.1	0.7	418.7
2004	217.2	98.8	2.4	1.1	0.0	0.0	0.2	0.1	219.8
2005	250.1	88.4	0.0	0.0	4.0	1.4	28.9	10.2	283.0
2006	263.4	97.4	0.2	0.1	0.0	0.0	6.8	2.5	270.4
2007	256.6	79.3	0.2	0.1	22.0	6.8	44.9	13.9	323.7
2008	316.3	72.2	3.9	0.9	0.0	0.0	117.6	26.9	437.8
2009	187.2	88.3	0.0	0.0	0.0	0.0	24.8	11.7	212.0
2010	502.9	89.5	57.1	10.2	2.0	0.4	0.2	0.0	562.2
Mean	**332.2**	**86.5**	**12.0**	**3.5**	**7.1**	**1.8**	**27.9**	**8.2**	**379.2**
SD	164.3	11.8	17.0	5.0	10.2	2.3	36.3	10.0	174.3
CV	49.5	13.6	141.8	141.2	143.7	131.2	129.8	121.5	46.0

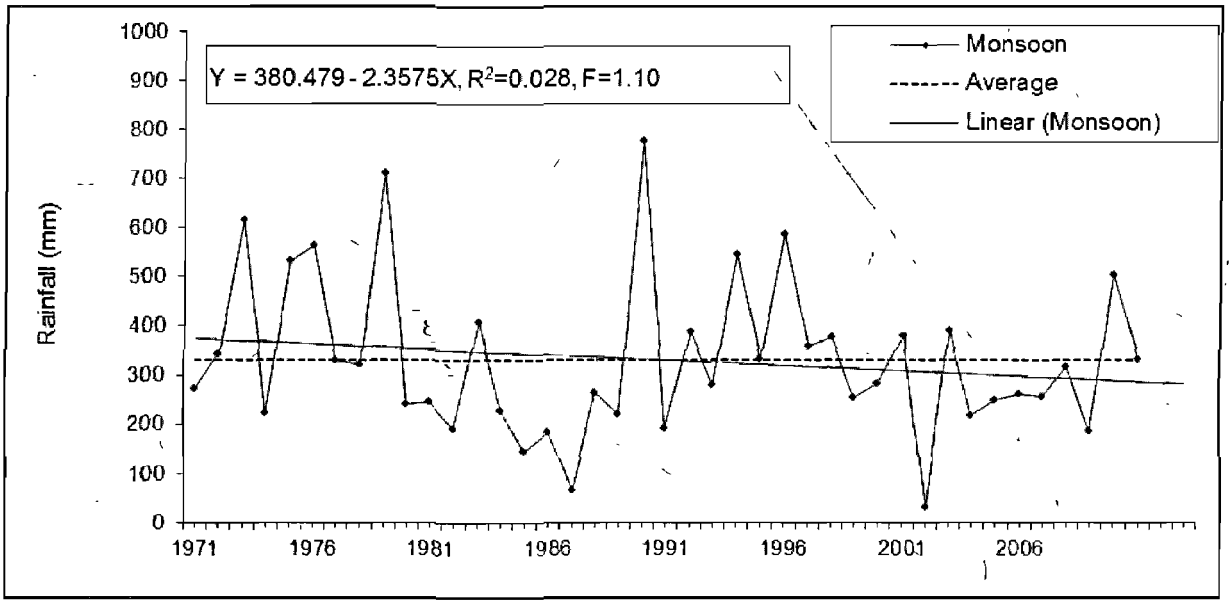


Fig. 16. Monsoon rainfall (mm) and its trend (regression equation).

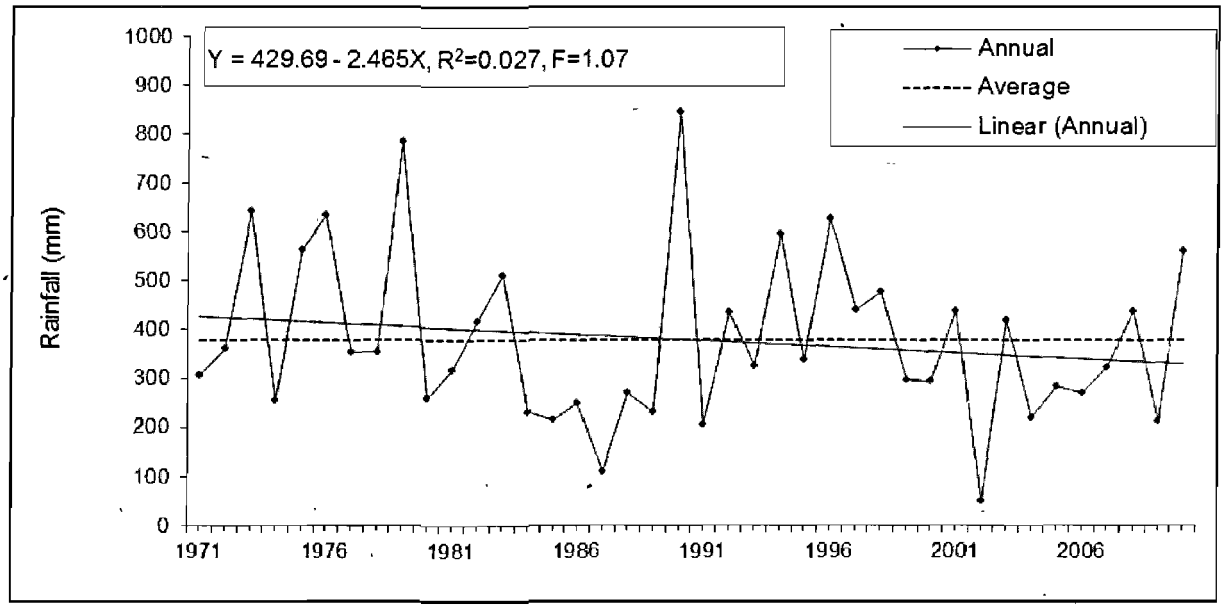


Fig. 17. Annual rainfall (mm) and its trend (regression equation).

Table 70. Monsoon (JJAS) and annual rainfall classification

Year	Monsoon rainfall (mm)	% Departure from normal (332.2mm)	Rainfall class	Annual rainfall (mm)	% Departure from normal (379.2mm)	Rainfall class
1971	273.4	-17.7	N	307.6	-18.9	N
1972	344.0	3.6	N	363.1	-4.2	N
1973	617.2	85.8	Ex	641.8	69.3	Ex
1974	223.7	-32.7	BN	253.5	-33.1	BN
1975	531.8	60.1	Ex	562.9	48.5	AN
1976	563.3	69.6	Ex	636.0	67.7	Ex
1977	331.6	-0.2	N	354.8	-6.4	N
1978	323.6	-2.6	N	354.9	-6.4	N
1979	710.1	113.8	Ex	785.1	107.1	Ex
1980	240.6	-27.6	BN	259.4	-31.6	BN
1981	246.5	-25.8	BN	316.6	-16.5	N
1982	192.3	-42.1	BN	417.2	10.0	N
1983	408.5	23.0	N	512.6	35.2	AN
1984	227.6	-31.5	BN	231.1	-39.0	BN
1985	143.0	-56.9	SD	214.1	-43.5	BN
1986	183.4	-44.8	BN	248.6	-34.4	BN
1987	64.4	-80.6	SD	110.7	-70.8	SD
1988	264.4	-20.4	N	269.8	-28.8	BN
1989	221.5	-33.3	BN	230.4	-39.2	BN
1990	776.6	133.8	Ex	844.0	122.6	Ex
1991	192.3	-42.1	BN	204.0	-46.2	BN
1992	387.3	16.6	N	435.4	14.8	N
1993	280.4	-15.6	N	326.2	-14.0	N
1994	544.5	63.9	Ex	595.9	57.2	Ex
1995	332.6	0.1	N	339.6	-10.4	N
1996	587.8	77.0	Ex	628.2	65.7	Ex
1997	360.5	8.5	N	440.0	16.0	N
1998	377.4	13.6	N	478.5	26.2	AN
1999	253.5	-23.7	N	296.1	-21.9	N
2000	282.8	-14.9	N	292.8	-22.8	N
2001	381.4	14.8	N	437.2	15.3	N
2002	32.5	-90.2	SD	50.6	-86.7	SD
2003	391.8	18.0	N	418.7	10.4	N
2004	217.2	-34.6	BN	219.8	-42.0	BN
2005	250.1	-24.7	N	283.0	-25.4	BN
2006	263.4	-20.7	N	270.4	-28.7	BN
2007	256.6	-22.7	N	323.7	-14.6	N
2008	316.3	-4.8	N	437.8	15.5	N
2009	187.2	-43.6	BN	212.0	-44.1	BN
2010	502.9	51.4	Ex	562.2	48.3	AN

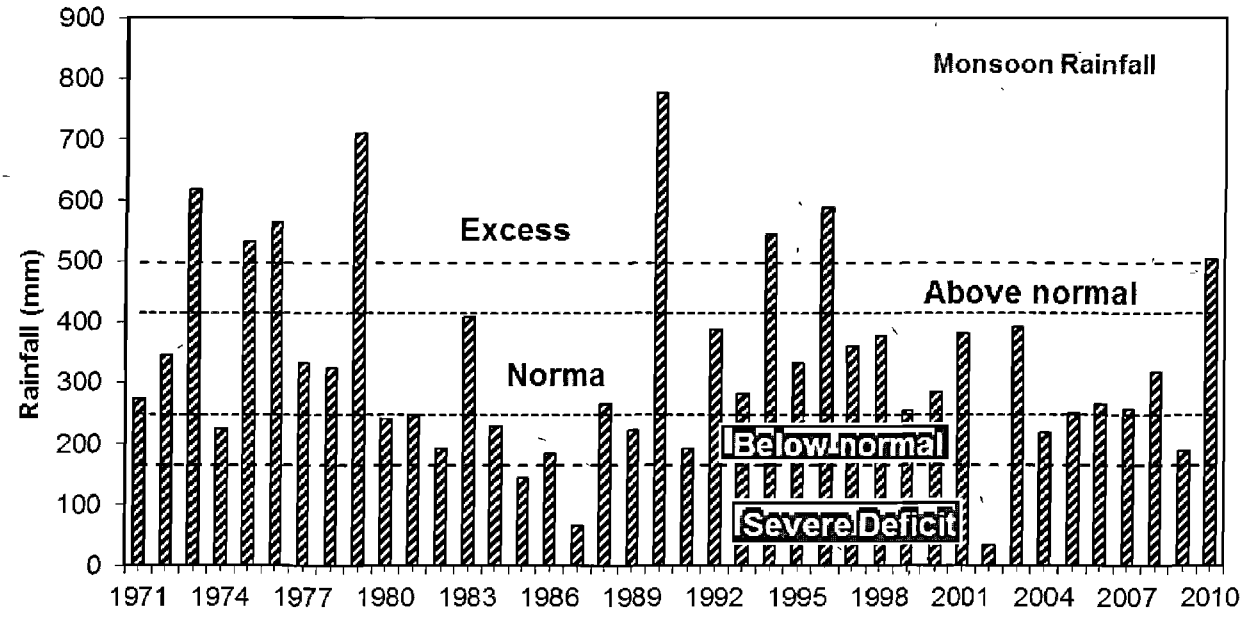


Fig. 18. Monsoon rainfall (mm) under different categories.

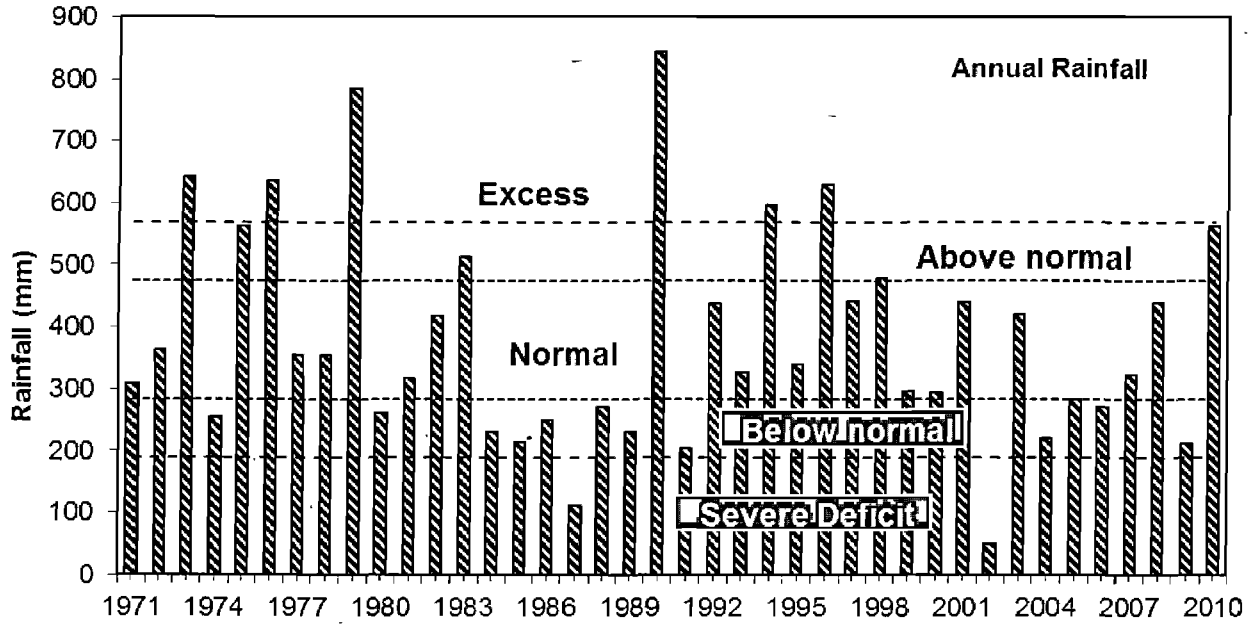


Fig. 19. Annual rainfall (mm) under different categories.

Table 71. Monthly and annual rainy days (rainfall >2.4mm)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	0	1	0	1	1	5	6	5	3	1	0	0	23
1972	0	0	0	0	1	1	4	10	1	0	0	0	17
1973	0	0	0	0	2	1	6	13	5	0	0	0	27
1974	0	0	0	0	2	2	6	1	2	1	0	0	14
1975	0	0	0	0	1	2	8	13	11	3	0	0	38
1976	0	2	0	1	0	1	7	11	6	0	2	0	30
1977	1	1	0	1	0	4	9	5	5	0	0	0	26
1978	0	2	0	1	0	1	10	8	1	0	1	0	24
1979	0	2	0	0	2	2	6	7	1	2	0	0	22
1980	0	0	0	0	0	3	7	1	3	0	0	2	16
1981	1	0	2	0	1	0	4	5	3	0	2	0	18
1982	1	0	2	2	4	2	5	4	0	3	0	0	23
1983	0	0	0	2	4	2	9	9	3	2	0	0	31
1984	0	0	0	1	0	1	2	5	3	0	0	0	12
1985	0	0	0	1	2	0	3	4	1	1	0	0	12
1986	0	0	0	0	3	0	5	3	0	1	0	0	12
1987	1	0	1	0	4	1	1	1	0	0	0	1	10
1988	1	0	0	0	0	3	8	7	5	0	0	0	24
1989	1	0	1	0	0	2	6	7	3	0	0	0	20
1990	0	4	0	0	3	0	5	10	6	0	0	0	28
1991	0	0	0	1	0	2	7	6	2	0	0	0	18
1992	2	1	1	0	1	1	5	6	6	0	0	0	23
1993	1	0	0	1	0	4	6	1	3	1	0	0	17
1994	1	0	0	2	0	3	10	12	8	0	0	0	36
1995	0	0	0	0	0	2	8	6	0	1	0	0	17
1996	0	1	0	1	3	7	5	9	1	0	0	0	27
1997	0	0	0	0	3	4	5	9	3	4	1	0	29
1998	0	1	2	2	0	4	4	3	4	3	0	0	23
1999	1	1	0	0	1	2	4	2	2	1	0	0	14
2000	0	0	0	1	1	1	8	1	1	0	0	0	13
2001	0	0	0	2	2	2	7	6	2	1	0	0	22
2002	0	0	0	1	0	1	0	2	2	0	0	1	7
2003	0	2	1	0	0	2	17	4	0	0	0	0	26
2004	0	0	0	0	0	4	2	7	3	0	0	0	16
2005	0	1	0	1	2	2	8	2	4	0	0	0	20
2006	0	0	0	1	0	2	4	11	2	0	0	0	20
2007	0	3	1	2	0	3	4	4	3	0	0	0	20
2008	0	0	0	3	5	5	3	6	2	0	0	0	24
2009	0	0	1	0	1	2	5	3	1	0	0	0	13
2010	0	0	0	0	0	3	5	8	7	0	3	2	28
Mean	**0.3**	**0.6**	**0.3**	**0.7**	**1.2**	**2.2**	**5.9**	**5.9**	**3.0**	**0.6**	**0.2**	**0.2**	**21**
SD	0.5	1.0	0.6	0.8	1.4	1.5	2.9	3.5	2.4	1.1	0.7	0.5	7.0
CV	183.9	174.4	202.5	117.5	117.6	68.6	50.3	58.9	81.6	168.7	293.2	322.0	33.5

Table 72. Annual rainy days with different amount of rainfall (mm)

Year	Rainfall (mm) and Rainy days									
	0.1-2.4	**2.5-5.0**	**5.1-10.0**	**10.1-20.0**	**20.1-40.0**	**40.1-60.0**	**60.1-80.0**	**80.1-100**	**>100.0**	**Total**
1971	10	6	6	4	6	1	0	0	0	33
1972	11	4	3	4	2	4	0	0	0	28
1973	17	1	5	13	3	3	2	0	0	44
1974	3	1	4	5	1	2	0	0	0	16
1975	15	7	11	13	4	2	1	0	0	53
1976	10	3	8	7	8	2	0	2	0	40
1977	16	11	6	5	2	2	0	0	0	42
1978	16	4	6	6	8	0	0	0	0	40
1979	11	2	8	4	3	1	0	1	3	33
1980	8	4	5	3	3	0	1	0	0	24
1981	14	5	2	6	4	1	0	0	0	32
1982	13	10	4	4	1	3	0	0	1	36
1983	10	8	6	10	4	1	1	1	0	41
1984	9	2	2	4	3	1	0	0	0	21
1985	8	2	4	1	4	1	0	0	0	20
1986	5	2	2	3	2	3	0	0	0	17
1987	6	3	3	3	1	0	0	0	0	16
1988	13	9	6	7	2	0	0	0	0	37
1989	8	6	6	6	2	0	0	0	0	28
1990	16	10	4	6	0	4	1	0	3	44
1991	7	8	4	3	1	2	0	0	0	25
1992	4	7	3	5	6	1	0	1	0	27
1993	12	4	2	7	3	0	0	1	0	29
1994	15	9	11	5	10	0	0	0	1	51
1995	10	3	5	3	5	0	0	1	0	27
1996	8	8	6	5	4	2	1	0	1	35
1997	17	7	7	9	4	1	1	0	0	46
1998	8	5	4	6	5	2	0	0	1	31
1999	7	2	5	3	3	0	0	0	1	21
2000	8	4	1	2	2	4	0	0	0	21
2001	9	5	4	7	3	2	0	1	0	31
2002	9	3	3	1	0	0	0	0	0	16
2003	11	5	5	9	6	1	0	0	0	37
2004	11	7	1	5	2	1	0	0	0	27
2005	10	8	6	3	1	1	1	0	0	30
2006	21	6	5	6	2	1	0	0	0	41
2007	13	4	5	6	4	0	1	0	0	33
2008	16	5	6	5	6	2	0	0	0	40
2009	9	2	5	2	3	1	0	0	0	22
2010	23	5	6	6	9	1	1	0	0	51
Mean	**11.2**	**5.2**	**4.9**	**5.3**	**3.6**	**1.3**	**0.3**	**0.2**	**0.3**	**32.2**
SD	4.4	2.7	2.2	2.7	2.4	1.2	0.5	0.5	0.7	10.1
CV	39.2	51.8	45.8	51.3	66.9	89.4	183.9	232.0	260.2	31.6

Table 73. Mean monthly and annual evaporation (mm)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	4.7	6.3	8.7	13.1	14.3	12.6	8.8	6.1	7.7	7.2	6.0	4.7	8.4
1972	5.3	12.4	19.5	21.5	18.3	15.6	11.8	7.7	9.4	8.7	5.7	5.1	11.7
1973	5.5	8.5	11.2	15.8	17.7	15.2	8.0	4.3	4.9	6.4	4.9	5.0	8.9
1974	4.8	6.6	8.7	12.3	14.1	12.9	10.2	10.1	9.4	7.3	5.7	4.8	8.9
1975	4.7	6.6	9.4	12.6	16.1	12.8	7.5	5.7	4.4	5.6	5.4	4.7	8.0
1976	4.9	5.6	9.9	13.5	17.8	14.8	11.0	5.9	6.1	7.7	4.9	5.4	9.0
1977	5.1	7.2	10.4	13.9	15.1	13.9	5.7	6.2	7.2	8.2	6.8	4.8	8.7
1978	5.1	6.2	9.4	12.8	17.6	15.0	5.9	7.4	7.7	7.3	6.2	5.1	8.8
1979	5.7	5.8	8.8	12.7	14.2	14.4	10.8	5.9	8.5	6.4	5.4	4.5	8.6
1980	4.6	6.3	9.7	13.1	15.4	13.2	8.5	7.5	8.1	8.0	6.3	3.9	8.7
Mean	**5.0**	**7.1**	**10.6**	**14.1**	**16.1**	**14.0**	**8.8**	**6.7**	**7.3**	**7.3**	**5.7**	**4.8**	**9.0**
1981	4.0	6.0	8.1	12.7	14.4	14.9	8.6	6.7	8.0	7.2	3.9	5.1	8.3
1982	4.4	5.5	8.0	10.7	10.5	13.1	9.4	6.0	7.8	7.5	5.3	5.2	7.8
1983	4.6	5.6	9.1	10.2	12.7	12.4	7.9	5.4	5.8	6.1	4.2	4.1	7.4
1984	4.8	6.0	8.5	13.1	15.6	14.5	9.5	5.6	5.9	7.3	5.1	4.5	8.4
1985	4.4	5.3	8.4	12.0	14.7	13.7	9.4	6.5	9.0	7.5	5.8	4.7	8.5
1986	5.3	6.0	9.2	12.9	15.6	13.1	10.4	6.9	8.6	7.7	5.9	5.0	8.9
1987	4.6	6.2	8.2	12.9	12.9	13.9	13.1	11.0	11.3	9.3	6.6	4.8	9.6
1988	5.1	7.4	9.5	13.3	17.3	15.1	7.0	6.2	8.1	7.1	5.4	4.6	8.8
1989	4.3	6.7	9.3	12.4	16.1	13.1	10.0	7.3	6.6	7.2	5.9	4.3	8.6
1990	4.9	4.7	8.0	12.4	14.6	13.1	8.2	5.5	5.4	6.2	4.7	3.8	7.6
Mean	**4.6**	**5.9**	**8.6**	**12.3**	**14.4**	**13.7**	**9.3**	**6.7**	**7.7**	**7.3**	**5.3**	**4.6**	**8.4**
1991	3.8	5.4	8.2	10.2	12.6	12.9	10.1	7.4	6.5	6.7	4.6	3.3	7.7
1992	3.8	4.4	7.1	10.4	13.3	14.5	9.1	5.5	5.1	5.7	3.9	3.1	7.2
1993	3.6	5.3	7.7	9.9	14.0	12.1	6.5	8.5	6.1	6.4	4.5	3.7	7.4
1994	3.2	5.1	8.2	10.5	13.9	12.2	5.5	3.7	5.0	5.7	3.9	3.0	6.7
1995	2.8	4.8	6.9	10.7	13.3	13.6	8.8	6.1	6.2	5.8	4.4	3.5	7.2
1996	3.4	4.9	8.9	11.4	13.0	10.8	7.8	4.4	5.7	5.5	4.3	3.3	6.9
1997	3.2	5.1	6.5	10.4	12.1	9.8	8.9	5.3	4.8	4.2	3.4	2.6	6.4
1998	3.5	4.7	6.7	10.4	12.2	10.6	6.7	7.5	6.0	5.1	5.1	3.5	6.8
1999	3.6	5.6	8.3	12.3	13.2	11.4	9.3	5.6	7.3	5.2	4.5	3.3	7.5
2000	3.6	4.8	7.7	11.4	12.7	12.9	7.6	6.8	6.7	6.4	4.5	3.5	7.4
Mean	**3.4**	**5.0**	**7.6**	**10.8**	**13.0**	**12.1**	**8.0**	**6.1**	**5.9**	**5.7**	**4.3**	**3.3**	**7.1**
2001	3.7	5.3	7.8	10.3	13.0	10.6	4.2	5.2	6.3	6.0	4.9	3.6	6.7
2002	3.4	4.9	7.7	11.4	14.7	12.6	11.3	8.8	8.9	7.3	5.2	3.9	8.4
2003	3.8	4.6	7.5	10.9	13.9	11.8	5.6	5.6	6.1	6.0	5.2	3.4	7.0
2004	3.6	5.3	8.5	12.3	13.1	11.6	9.7	4.7	6.1	5.2	4.1	3.3	7.3
2005	3.1	4.0	6.8	9.2	10.7	11.1	6.5	5.4	5.4	5.5	4.0	3.2	6.2
2006	3.3	4.9	6.4	9.7	12.5	10.8	7.2	3.8	6.0	6.6	4.1	3.7	6.6
2007	3.8	4.7	6.7	11.2	13.4	12.2	7.9	6.6	6.6	6.8	4.9	3.7	7.4
2008	4.2	4.9	8.3	10.3	12.4	9.6	8.0	5.4	6.9	6.6	5.0	3.7	7.1
2009	3.9	5.5	8.7	11.3	14.2	12.2	7.7	8.1	8.8	7.2	4.8	4.1	8.1
2010	3.8	5.4	8.9	12.8	15.0	12.0	7.9	4.5	4.3	5.8	3.1	2.7	7.2
Mean	**3.7**	**4.9**	**7.7**	**10.9**	**13.3**	**11.5**	**7.6**	**5.8**	**6.6**	**6.3**	**4.5**	**3.5**	**7.2**
G.Mean	**4.2**	**5.8**	**8.6**	**12.0**	**14.2**	**12.8**	**8.5**	**6.3**	**6.9**	**6.6**	**4.9**	**4.0**	**7.9**
SD	0.7	1.4	2.1	2.1	1.9	1.5	1.9	1.6	1.6	1.1	0.9	0.8	1.1
CV	17.9	24.1	24.0	17.3	13.1	12.0	22.2	24.7	22.9	16.0	17.5	19.2	13.3

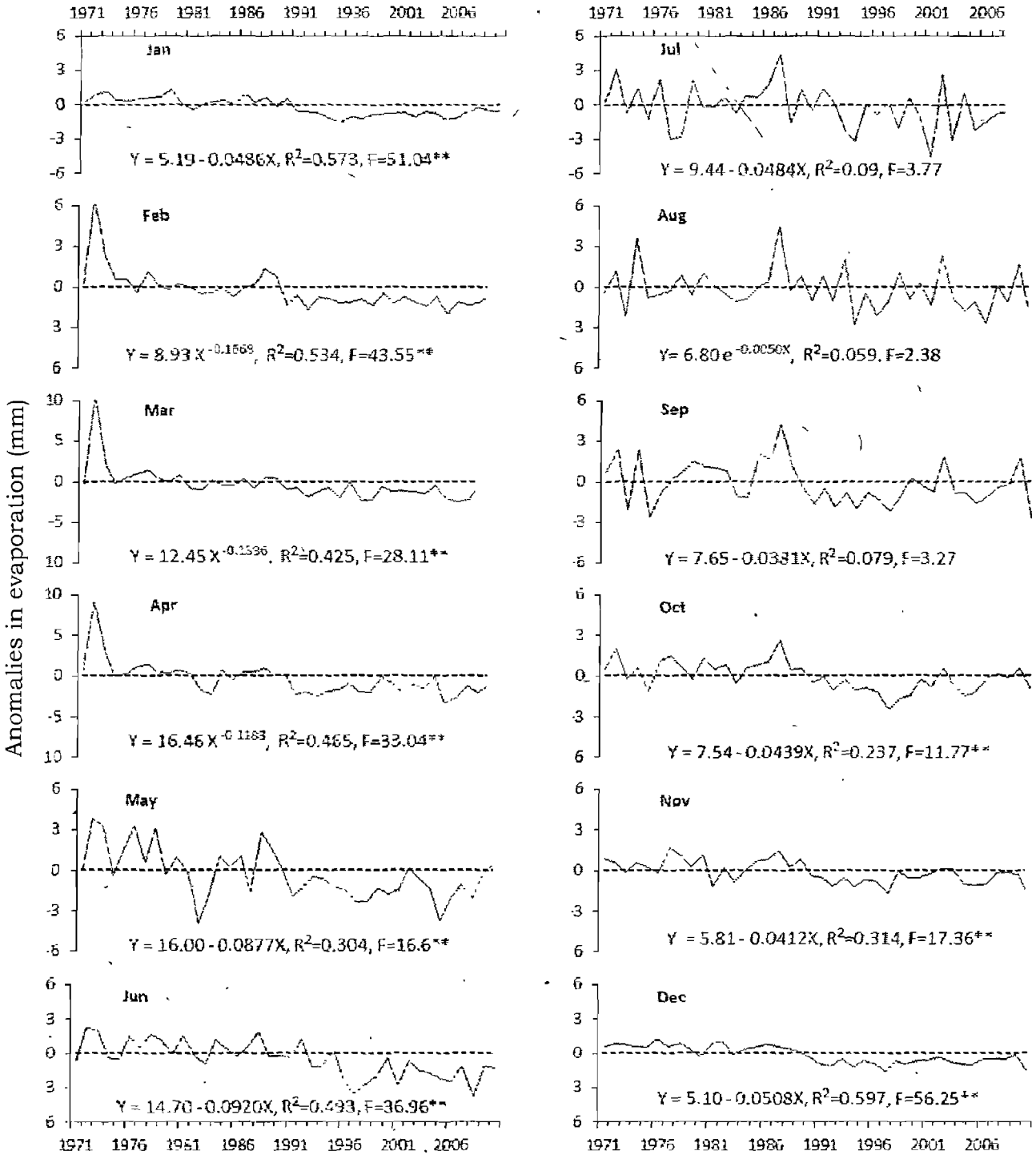


Fig. 20. Anomalies (solid line) and trend (regression equation) of evaporation (mm).

Table 74. Mean monthly and annual wind speed (kmph)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	7.6	6.5	7.2	8.6	14.2	14.4	13.3	10.3	7.9	5.8	5.3	5.6	8.9
1972	7.1	8.8	8.7	10.1	13.1	16.4	16.1	13.3	8.2	5.8	5.4	7.8	10.1
1973	8.1	9.4	8.9	9.5	13.1	19.7	13.1	9.4	5.9	4.2	3.5	6.5	9.3
1974	3.5	6.9	6.6	9.8	11.6	16.6	13.7	13.3	7.4	5.0	5.3	5.9	8.8
1975	7.8	9.3	8.7	8.8	13.1	13.4	12.6	8.9	6.1	5.0	4.8	5.0	8.6
1976	6.6	7.1	8.0	9.6	15.0	15.2	13.9	10.1	7.4	5.4	5.6	6.0	9.1
1977	7.0	7.2	6.6	10.8	12.0	12.2	10.3	10.2	7.6	5.0	5.2	5.9	8.3
1978	6.3	7.8	8.0	8.7	13.2	14.7	11.1	10.6	8.6	4.1	5.0	5.4	8.6
1979	7.2	7.0	8.8	7.3	10.3	13.1	14.2	8.8	8.0	5.5	7.5	6.3	8.7
1980	7.5	6.0	8.7	7.6	12.0	11.5	12.3	9.1	7.0	4.5	5.7	4.6	8.1
Mean	**6.9**	**7.6**	**8.0**	**9.1**	**12.8**	**14.7**	**13.1**	**10.4**	**7.4**	**5.0**	**5.3**	**5.9**	**8.9**
1981	5.6	6.1	6.9	8.2	11.4	14.2	13.9	9.6	7.6	4.8	4.8	6.4	8.3
1982	7.6	7.6	7.9	8.7	7.8	12.0	10.0	7.7	6.4	5.1	6.2	6.7	7.8
1983	6.2	6.4	8.3	8.5	9.1	9.6	9.6	7.1	4.8	4.0	2.8	5.5	6.8
1984	7.3	6.6	5.2	8.0	10.4	14.8	12.1	8.0	5.8	4.1	3.8	5.7	7.6
1985	7.3	4.8	5.9	8.3	9.6	15.3	11.2	8.3	7.7	5.3	4.2	6.0	7.8
1986	8.0	7.5	6.9	7.9	11.6	12.1	13.4	9.3	6.4	4.9	4.7	6.4	8.3
1987	6.8	5.7	6.0	7.5	9.6	10.9	13.9	11.7	9.7	4.9	4.5	6.0	8.1
1988	6.8	7.1	7.6	7.4	12.4	13.0	9.6	8.9	7.7	4.5	3.7	5.5	7.9
1989	5.4	6.3	7.2	7.0	9.8	11.9	12.6	8.8	5.9	4.5	4.9	6.3	7.6
1990	5.6	6.2	6.4	7.2	11.0	12.1	11.7	6.8	5.1	3.5	3.0	4.2	6.9
Mean	**6.7**	**6.4**	**6.8**	**7.9**	**10.3**	**12.6**	**11.8**	**8.6**	**6.7**	**4.6**	**4.3**	**5.9**	**7.7**
1991	4.6	5.3	6.1	5.9	8.1	9.1	9.4	8.2	5.3	2.5	3.2	2.9	5.9
1992	4.6	3.7	4.7	5.7	7.0	9.6	9.2	5.9	3.4	2.7	2.1	1.8	5.0
1993	3.0	3.1	4.8	4.2	7.5	8.1	7.1	7.6	4.3	2.4	1.6	1.9	4.7
1994	2.6	3.3	3.4	4.9	7.6	9.1	6.2	4.4	3.7	1.4	1.3	1.8	4.1
1995	2.3	2.9	3.9	4.9	5.9	8.9	8.0	7.1	3.7	2.1	1.4	2.3	4.5
1996	2.5	2.7	4.2	4.6	7.7	9.8	6.4	4.6	3.2	1.7	1.6	1.4	4.2
1997	2.0	2.8	3.8	4.9	7.1	6.8	7.8	5.4	3.3	2.6	2.4	2.0	4.3
1998	1.9	2.4	3.1	4.7	5.6	6.9	6.0	6.1	4.2	2.5	2.3	1.5	3.9
1999	3.2	4.7	3.7	4.6	8.9	10.2	9.9	6.0	5.1	2.0	1.6	2.0	5.2
2000	3.1	4.2	4.4	6.3	11.0	12.0	8.5	7.6	4.9	1.9	2.1	1.9	5.7
Mean	**3.0**	**3.5**	**4.2**	**5.1**	**7.6**	**9.0**	**7.8**	**6.3**	**4.1**	**2.2**	**2.0**	**1.9**	**4.8**
2001	3.0	3.4	3.8	5.2	10.3	10.1	6.8	5.1	3.6	2.2	2.1	2.1	4.8
2002	2.9	3.6	3.7	5.5	11.1	9.8	13.5	9.4	7.2	2.5	3.3	3.1	6.3
2003	4.1	4.6	4.6	5.3	9.3	12.6	6.4	5.7	4.7	2.0	3.0	3.1	5.4
2004	3.3	3.3	2.9	6.1	9.5	10.8	11.0	6.3	4.8	3.4	2.1	3.1	5.6
2005	4.0	4.2	4.8	4.6	7.1	8.6	8.8	6.1	5.2	2.6	2.3	2.7	5.1
2006	3.1	2.8	4.3	5.4	9.6	8.9	9.5	5.8	5.0	3.4	2.0	3.3	5.3
2007	2.7	3.7	3.6	5.0	8.3	9.6	7.8	6.8	4.2	2.3	1.5	3.2	4.9
2008	4.4	3.2	3.7	4.6	10.5	8.5	8.1	5.8	5.2	2.6	2.7	3.4	5.2
2009	3.8	3.6	4.8	4.9	8.8	8.8	7.0	7.4	6.4	3.4	3.0	3.6	5.5
2010	3.5	3.6	4.0	5.8	8.3	8.7	6.5	4.0	2.8	2.2	2.6	2.3	4.5
Mean	**3.5**	**3.6**	**4.0**	**5.2**	**9.3**	**9.6**	**8.5**	**6.3**	**4.9**	**2.7**	**2.5**	**3.0**	**5.3**
G.Mean	**5.0**	**5.3**	**5.8**	**6.8**	**10.0**	**11.5**	**10.2**	**7.9**	**5.8**	**3.6**	**3.5**	**4.1**	**6.6**
SD	2.0	2.0	1.9	1.9	2.3	2.9	2.8	2.3	1.7	1.3	1.6	1.9	1.8
CV	40.6	37.7	33.0	27.6	22.9	25.2	27.3	28.5	29.8	37.0	45.1	45.8	27.1

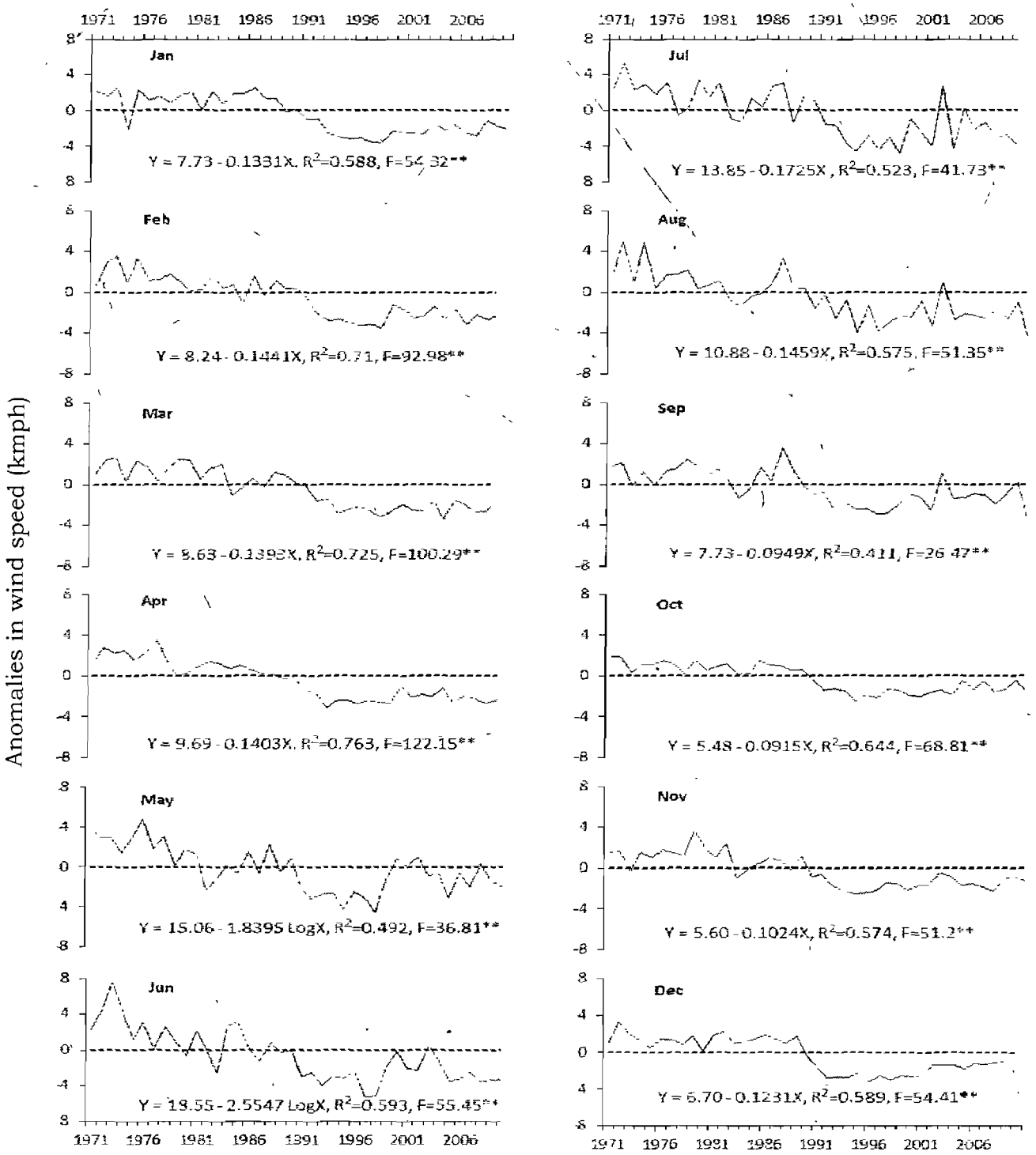


Fig. 21. Anomalies (solid line) and trend (regression equation) of wind speed (kmph).

Table 75. Mean monthly and annual sunshine hours (h)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1971	9.6	10.3	9.8	10.0	10.5	7.4	5.2	5.8	9.5	9.5	9.7	9.5	8.9
1972	8.6	9.5	9.5	9.6	10.6	10.4	8.2	5.3	9.8	10.2	10.2	9.1	9.3
1973	9.5	9.2	9.4	10.3	10.1	7.5	5.6	3.9	7.7	10.2	10.3	8.1	8.5
1974	9.7	9.8	9.2	9.0	10.5	9.9	7.0	8.1	9.1	9.7	9.3	9.0	9.2
1975	8.6	9.1	9.5	9.6	9.7	8.4	5.6	6.8	6.3	8.9	10.0	9.3	8.5
1976	9.2	9.1	8.6	10.2	10.9	10.0	5.7	4.8	7.9	9.9	7.4	9.0	8.5
1977	8.7	10.2	9.9	10.3	10.1	9.2	4.4	7.0	8.1	10.1	9.7	9.0	8.9
1978	9.5	8.4	9.2	9.4	11.2	8.4	3.4	6.4	8.3	9.7	9.1	9.2	8.5
1979	8.8	8.8	8.7	8.5	9.2	10.7	7.6	7.2	9.7	9.2	7.6	9.3	8.8
1980	9.6	9.7	8.8	9.4	10.1	9.7	6.6	8.5	9.3	9.7	9.9	8.9	9.2
Mean	**9.2**	**9.4**	**9.3**	**9.6**	**10.3**	**9.1**	**5.9**	**6.4**	**8.6**	**9.7**	**9.3**	**9.0**	**8.8**
1981	9.1	9.4	8.0	9.3	10.2	8.4	4.7	7.3	8.7	9.6	8.9	9.4	8.6
1982	8.4	7.0	9.1	9.7	8.7	9.8	7.6	5.8	9.9	9.5	8.8	8.9	8.6
1983	8.8	8.9	8.4	8.5	9.9	9.2	7.0	6.5	8.8	9.5	9.9	9.0	8.7
1984	9.4	9.3	9.7	10.2	11.2	8.7	6.9	4.9	8.4	10.2	9.9	9.2	9.0
1985	9.3	10.3	9.5	9.9	10.1	9.5	6.3	6.0	9.9	9.8	9.9	8.8	9.1
1986	9.3	8.5	9.5	9.5	9.0	8.1	6.3	7.8	10.6	10.2	9.6	9.2	9.0
1987	9.3	9.6	9.4	10.2	9.0	10.0	9.3	7.1	9.4	9.8	10.1	8.6	9.3
1988	8.8	9.3	9.4	9.3	9.8	7.8	5.2	7.7	9.2	9.9	10.1	8.7	8.8
1989	9.6	9.7	9.7	10.3	10.1	8.9	7.2	7.4	10.2	10.5	9.5	8.6	9.3
1990	9.4	7.4	10.0	10.4	10.3	8.9	6.0	6.7	9.2	10.1	9.9	9.1	9.0
Mean	**9.1**	**8.9**	**9.3**	**9.7**	**9.8**	**8.9**	**6.7**	**6.7**	**9.4**	**9.9**	**9.7**	**8.9**	**8.9**
1991	9.4	8.8	9.4	9.9	9.9	9.6	7.6	7.3	9.4	10.0	8.8	8.5	9.1
1992	7.7	9.2	7.8	10.0	9.2	9.3	6.8	6.4	8.7	9.9	9.7	9.0	8.6
1993	8.7	9.3	9.9	10.3	11.1	10.2	7.0	9.5	9.4	9.5	8.8	8.7	9.4
1994	8.1	9.6	9.7	9.9	10.3	9.2	5.2	4.1	8.3	9.9	9.6	9.0	8.5
1995	8.8	9.4	8.5	10.2	10.6	10.6	7.6	6.4	10.0	9.3	9.9	8.9	9.2
1996	9.3	9.9	9.6	10.8	11.0	8.2	8.1	5.5	9.9	9.2	9.8	9.1	9.2
1997	9.3	10.0	7.6	10.3	10.5	10.0	7.3	7.5	8.5	9.1	8.6	8.6	8.9
1998	8.7	8.8	9.4	10.4	10.5	10.0	6.9	8.3	9.2	8.7	9.1	9.0	9.1
1999	8.8	8.5	10.6	11.4	10.7	10.0	7.0	7.5	9.6	9.1	9.6	8.7	9.3
2000	9.0	9.3	10.1	10.5	10.4	9.9	6.6	7.6	9.0	9.6	9.2	9.1	9.2
Mean	**8.8**	**9.3**	**9.2**	**10.4**	**10.4**	**9.7**	**7.0**	**7.0**	**9.2**	**9.4**	**9.3**	**8.9**	**9.1**
2001	9.5	9.6	9.5	10.1	10.7	9.0	4.3	7.4	9.9	9.6	9.6	9.0	9.0
2002	8.7	9.2	9.5	9.9	9.8	10.1	8.3	6.9	9.9	9.7	8.2	8.8	9.1
2003	8.9	9.0	8.7	10.0	9.3	7.8	5.7	6.6	9.4	9.9	9.4	9.0	8.6
2004	8.4	10.0	10.3	10.0	9.0	9.0	7.9	6.3	8.9	8.6	8.8	6.5	8.6
2005	7.6	7.9	9.4	9.5	10.1	8.9	6.8	8.1	7.6	9.6	8.9	7.8	8.5
2006	8.2	8.7	9.1	9.6	9.8	8.1	4.4	4.7	8.6	9.5	8.2	7.0	8.0
2007	8.2	8.4	9.2	10.4	10.2	9.4	7.1	6.1	8.3	9.5	9.1	8.0	8.7
2008	7.3	9.0	9.3	10.1	9.2	7.9	6.7	5.8	9.1	9.9	8.6	6.9	8.3
2009	7.4	9.0	9.5	9.9	9.9	9.2	6.5	7.8	10.4	9.5	8.3	8.0	8.8
2010	8.7	9.1	9.8	9.4	9.0	9.1	6.0	5.6	7.3	9.5	6.2	7.9	8.1
Mean	**8.3**	**9.0**	**9.4**	**9.9**	**9.7**	**8.9**	**6.4**	**6.5**	**9.0**	**9.5**	**8.5**	**7.9**	**8.6**
G.Mean	**8.8**	**9.1**	**9.3**	**9.9**	**10.1**	**9.2**	**6.5**	**6.7**	**9.0**	**9.6**	**9.2**	**8.7**	**8.8**
SD	0.6	0.7	0.6	0.6	0.7	0.9	1.3	1.2	0.9	0.4	0.9	0.7	0.3
CV	7.1	7.8	6.8	5.7	6.6	9.6	19.3	18.4	10.0	4.3	9.3	7.8	3.9

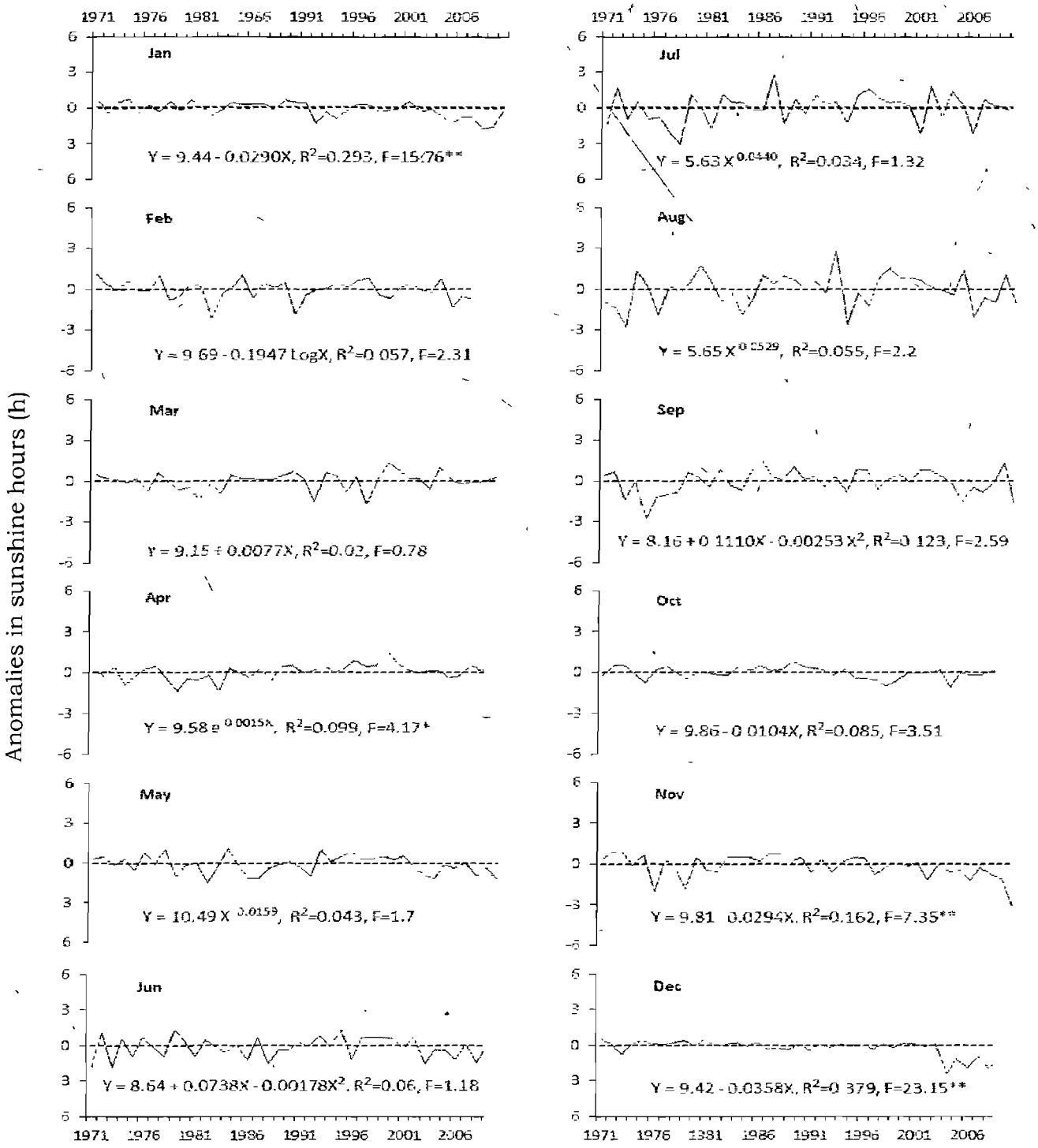


Fig. 22. Anomalies (solid line) and trend (regression equation) of sunshine hours (h).

Table 76. Top ten extreme events of different weather variables

S.No.	Day	Month	Year	Highest TMax (°C)	Day	Month	Year	Lowest TMin (°C)
1	4	6	1991	47.4	14	12	1986	-0.2
2	23	5	1994	47.4	7	2	1974	0.2
3	3	6	1991	47.2	28	1	1977	0.4
4	29	5	1994	47.2	21	2	1984	1.0
5	7	6	1994	47.2	30	12	1990	1.3
6	6	6	1995	47.2	1	1	1991	1.7
7	20	5	1998	47.2	13	12	1994	1.7
8	23	5	2010	47.2	12	12	1994	1.8
9	24	5	2010	47.2	31	12	1990	2.0
10	30	5	1994	47.0	21	1	1978	2.1

S.No.	Day	Month	Year	Highest rainfall (mm)	Day	Month	Year	Highest Evaporation (mm)
1	5	8	1996	170.0	28	4	1972	28.7
2	3	7	1990	152.0	28	5	1973	27.6
3	17	7	1979	148.2	2	5	1972	27.5
4	18	7	1979	146.4	15	4	1972	27.0
5	4	7	1990	144.3	27	4	1972	26.9
6	14	8	1994	135.0	6	5	1972	26.3
7	19	7	1979	120.6	10	5	1975	26.2
8	6	7	1990	117.7	19	5	1986	26.0
9	26	4	1982	114.8	1	5	1972	25.3
10	1	8	1999	111.0	5	6	1977	25.2

S.No.	Day	Month	Year	Highest wind speed (kmph)
1	16	6	1973	34.9
2	17	6	1973	33.2
3	15	6	1973	32.3
4	26	7	1972	32.2
5	26	6	1978	31.1
6	27	7	1972	30.3
7	13	6	1976	29.7
8	12	6	1976	29.5
9	18	6	1973	29.5
10	23	5	1972	29.3

CROP WEATHER CALENDARS

Table 77. Crop weather calendar for pearl millet crop

Weekly normal weather	Rainfall (mm)	10.1	12.8	28.4	18.5	37.2	35.4	32.5	25.6	26.2	22.5	18.6	25.1	11.0	3.5	5.8	1.7	1.8	1 7	1.1
	Maximum temperature ^{0}C)	39.5	38.7	37.4	36.5	35.4	34.7	34 4	33.9	33.7	34.3	34.2	34.4	34.9	36.1	36.8	37.2	36.9	36	35.1
	Minimum temperature (^{0}C)	28.1	27 8	27.4	27.1	26.6	26.2	26.0	25.8	25.6	25.3	25	24.7	24.3	24.1	23.2	22.5	21.1	19.6	18.1
	Sunshine hours (h)	8.7	7.8	7.6	6.7	5.9	5.7	5 7	6.2	6.5	7.4	7.7	8.4	9.0	9.4	9.6	9.7	9.6	9.7	9.6
Life history and dates of important epochs of crop growth																				
Standard weeks		25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Month		June		July				August					September				October			

Table 78. Crop weather calendar for mustard crop

Weekly normal weather	Rainfall (mm)	1.7	1.1	1.0	1.4	0.7	1.0	0.0	0.0	0.2	0.5	0.8	0.2	1 1	0.4	0.4	0.7	1.0	1.8	0.9	1.5	0.3
	Maximum temperature (^{0}C)	36.0	35 1	34.3	33.0	31.7	30.3	28.6	28.2	27.1	26 6	25.4	24.8	24.5	24.7	25.4	25.6	26.7	27.7	29.0	30.7	32.1
	Minimum temperature (^{0}C)	19.6	18.1	17.4	16.5	16.0	14.6	13.2	12.7	11.7	11.8	11.0	10 4	10.4	10.5	10.9	11.2	11.4	12.6	13.9	15.4	16.3
	Sunshine hours (h)	9.7	9.6	9.6	9.4	9.0	9.0	9.1	9.0	8.6	8.4	8.5	8.8	8.8	8.7	9.0	9.1	9.1	9.1	9.2	9.2	9.3
Life history and dates of important epochs of crop growth		Sowing	Vegetative growth																		Harvesting	
																				Flowering		
																			Pod filling			
Standard weeks		42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10
Month		Oct			Nov				Dec				Jan				Feb				March	

(134)