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WEST PAKISTAN
WATER AND POWER DEVELOPMENT AUTHORITY
WATER AND SOILS INVESTIGATION DIVISION
SURFACE WATER HYDROLOGY PROJECT

1969 ANNUAL REPORT OF RIVER AND CLIMATOLOGICAL DATA OF WEST PAKISTAN

VOL. III

PRECIPITATION, EVAPORATION, TEMPERATURES
RELATIVE HUMIDITY, SOLAR RADIATION AND
WIND MOVEMENT DATA

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PREFACE

This report is published by Water and Soils Investigation Division, WAPDA, with co-operation and support of other Divisions and formations especially Director General of Planning and Investigation, and Tarbela Dam Project.

The report consists of three volumes: Surface flow, sediment and chemical composition data as Volume I; daily and hourly precipitation and snow data as Volume II; evaporation, temperatures, solar radiation, relative humidity and wind movement data as Volume III. Previously the report was published in one volume from 1960 to 1962 and in two volumes from 1963 to 1965. These changes from time to time, were necessitated due to increase in stations all of which could not be accommodated in one volume.

All the field records presented herein were collected, evaluated and compiled by the personnel of Surface Water Hydrology Project under the direction of the undersigned. Chemical analysis of water samples was done in the Quality of Water Laboratory, WASID.

(Ch. Mohammad Umar),
Chief Engineer ,
Water and Soils Investigation Division
WAPDA.

Lahore July, 1971.

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CONTENTS

Page

INTRODUCTION. 1

DEFINITION OF TERMS AND ABBREVIATIONS 2

EXPLANATION OF DATA

Climatological data. 3

Maps of locations. 7

CLIMATOLOGICAL DATA

CLIMATOLOGICAL STATION RECORDS (arranged alphabetically)

Babar Kach 15
Bagin. 29
Bahawalnagar 43
Bahawalpur.. 57
Balakot. 69
Bandat Jungle. 83
Bela. 93
Bhag 107
Chak Daphar. 121
Chhor. 135
Chilya 143
Chuharkana 157
Dadu 171
Darband. 185
Dokri. 199
Duki 213
Dureji 217
Gaggar 225
Gahro. 239
Gaj Rest House 253
Gandava. 267
Ghotki 281
Gojra. 295
Gujar Khan 309
Gujranwala 323
Haripur. 337
Hub Dam Site 345

CONTENTS

	Page
Jamesabad.	359
Jati	373
Kach	387
Kalam.	391
Khairpur	405
Kohat.	419
Khanpur.	429
Leiah.	443
Mangi.	457
Mangla	460
Mardan..	475
Miani Forest	489
Mianwali	503
Muzaffarabad	517
Muzaffargarh	531
Nabisar Road	545
Oghi	559
Padidan.	563
Padri-Jo-Goth.	577
Palandri	591
Phularwan.	595
Phulra	607
Rawal Dam.	613
Saidu Sharif	627
Sakrand.	641
Sargodha	655
Sialkot.	669
Sibi	681
Tarbela Dam Colony	695
Thano Bula Khan.	709
Usta Mohammad.	723
Uthal	737
Wasu	751
Ziarat.	765

WIND INTENSITY DATA

WIND RECORDING STATION RECORDS.

Thano Bula Khan.	780
Uthal.	792

INTRODUCTION

Organisation

The Surface Water Circle was created by WAPDA with effect from Ist July 1960 with the responsibility of collecting surface water data required for WAPDA Projects and General Investigations. The Mangla Hydrometeorological Division was used as a nucleus and various project hydrologic activities were included. The circle was designated as Surface Water Hydrology Project in June 1966.

Purpose and scope of report

The purpose of this report is to present the data collected by the Surface Water Hydrology Project in 1969, its tenth year of operation. This is the tenth in a series of annual reports to be published. The report is being published in three volumes. In this volume of the report observations taken at climatological stations by the Surface Water Hydrology Project are documented. The data in this volume include rainfall, evaporation, air temperatures, dew point temperatures, relative humidities, wind movement and solar radiation.

Maps on pages 7 to 12 show the climatological stations that have been operated and for which data are published. Only stations that are operated by the Surface Water Hydrology Project or those for which records are published in this report are shown on the maps.

The data given herein were collected and computed by the best methods available and are considered to be accurate enough for general use. All field data and computations by the Surface Water Hydrology Project are on record in Lahore and open to inspection.

DEFINITION OF TERMS AND ABBREVIATIONS

Precipitation It is the discharge of water, in liquid or solid state, out of the atmosphere, generally upon a land or water surface. It is expressed as the depth to which it would cover a horizontal projection of the earth's surface if there is no loss by evaporation or runoff. Precipitation is measured in inches of depth of water that has fallen at a particular location during a given time interval.

Evaporation It is the process by which water is changed from the liquid or the solid state into the vapour state. Evaporation is measured as depth of water in inches that has vaporized during a given period of time from a free water surface under certain standard conditions.

Relative Humidity It is the percentage ratio of the actual vapour pressure to the saturation vapour pressure at the observed temperature.

Dew Point It is the temperature to which the air must be cooled at constant pressure, with constant water-vapour and constant in order to reach saturation with respect to water.

Wet-bulb Temperature It is the lowest temperature to which the air can be cooled at constant pressure by evaporating water into the air (until saturation is reached).

Wind Movement is given in miles per day and is the total movement of air past a point during 24 hours regardless of the direction.

Wind Intensity is shown as duration in hours for which the wind travels at speeds falling between two successive values of wind intensity, the duration being shown below the higher value.

Temperature Maximum and minimum temperatures for air and water are measured in degrees fahrenheit for the past 24 hours.

Solar Radiation Solar radiation is measured in Langley's per day. One Langley is equivalent to one gram-calorie per square centimeter.

CLIMATOLOGICAL DATA

The Surface Water Hydrology Project collects weather records to supplement those of the Meteorological Services where additional data are needed for WAPDA Projects or investigations. The equipment and methods used are generally the same as approved by World Meteorological Organisation.

Rainfall

Rainfall is measured by either manual or automatic recording rain gauges. The manual gauges are standard Meteorological Service gauges with 5" openings.

Rainfall depth is read to 0.01 inch in both of these gauges. The automatic gauges, which give a continuous record of the time distribution of the rainfall are either the automatic syphon type or the weighing type. A manual gauge is read in conjunction with each automatic gauge as a check on the total rainfall.

Daily rainfall shown in this volume, are the total rainfall for 24 hours previous to 0800 hours of the day on which the figure is shown. A dash indicates that no rainfall occurred. Where no record was obtained the space has been left blank. The monthly total rainfall are given at the bottom of the page.

Evaporation

Evaporation is measured by use of a U.S. Weather Bureau Class "A" evaporation pan, 48 inches in diameter, located on a standard base. Change in water level during the previous 24 hours is measured at 0800 hours daily either volumetrically or by use of an adjustable hook gauge. A rain gauge is read at each evaporation pan site to determine appropriate corrections for rainfall. The tables given herein show daily evaporations and monthly figures.

Temperatures

Maximum and minimum temperatures for air and pan water are measured in degrees fahrenheit on maximum and minimum indicating thermometers housed in standard shelter for air and in the evaporation pan for water. Readings are taken at 0800 hours and thus the maximum temperatures noted is generally that for the previous day. The tables given herein list daily maximum and minimum temperatures, average monthly figures and the absolute maximum and minimum temperatures for the year.

Relative Humidity

Wet and dry bulb temperatures are observed daily at 0800 and 1700 hours in degrees fahrenheit. The wet and dry bulb thermometers are housed in shelters along-

with the maximum and minimum thermometers. The relative humidities, computed from these temperatures, using Hydrometric Tables published by Pakistan Meteorological Department, are shown at above mentioned times for each day.

Dew-point temperature The dew-point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours using Hydrometric Tables published by Pakistan Meteorological Department and shown at above mentioned times for each day.

Wind

Wind movement is determined in miles per day at 0800 hours daily for the preceding 24 hours. The figures given in the tables represent total movement irrespective of direction. It should be noted that the anemometer is located six inches above the rim of the evaporation pan at the climatological stations and hence may not show wind movement representative of the area. On some of the stations, recording anemometers have been installed to find the intensity of wind and these are quite high from the ground to give wind movement representative of the area.

Solar radiation

Solar radiation is calculated in Langleys per day from midnight to midnight. One langley is equivalent to one gram calorie per square centimeter. The instrument used for the purpose is Pyreheliometer of U.S. Weather Bureau.

Presentation of Climatological Data

The data presented herein for each climatological station include a station description and tables of daily maximum and minimum air and pan water temperatures, relative humidities and dew point temperatures at 0800 and 1700 hours, wind movement, evaporation, solar radiation and rainfall for twelve calender months. The relative humidities and dew point temperatures are published instead of wet and dry bulb temperatures published in the previous years. Average monthly figures for maximum and minimum air and pan water temperatures and wind movement are shown at the end of each table if the data for the whole month is available. Total monthly figures for evaporation and rainfall are also given at the end of each page.

The description of each climatological station give location, elevation above mean sea level, records available,

instruments installed at the station during the year, yearly figures of precipitation, evaporation and absolute maximum and minimum air temperatures during the year. Under "Period of record" are listed, first those records obtained by Surface Water Hydrology Project and then known records obtained by other agencies. Under "Remarks" the method of computing annual figures and the explanation of the data is given.

The data collected at the wind recording stations is shown as the duration in hour for which the wind was within the two successive given intensities. The 24 hours wind movement from 0800 hours of previous day to 0800 hours of the day is also shown.

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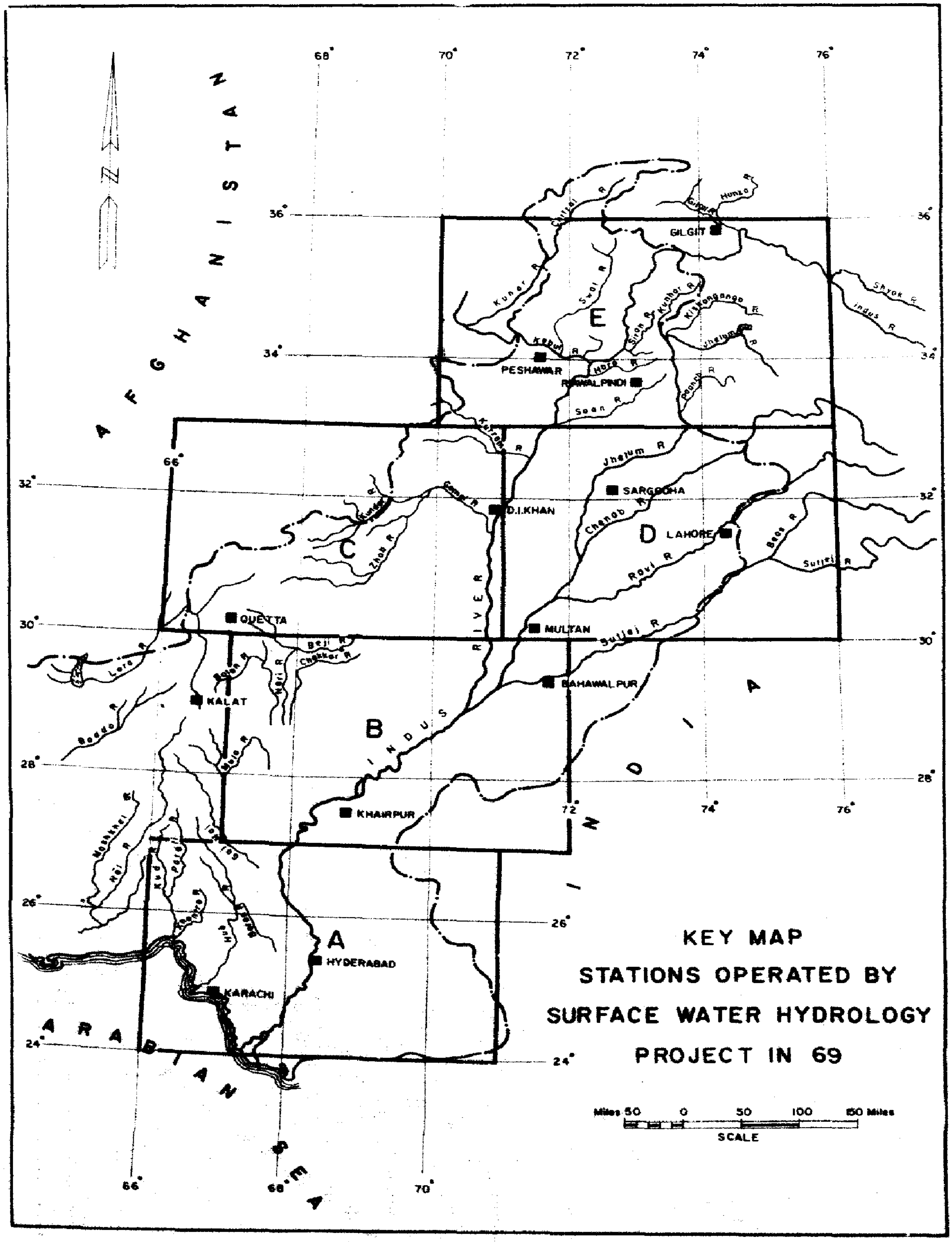
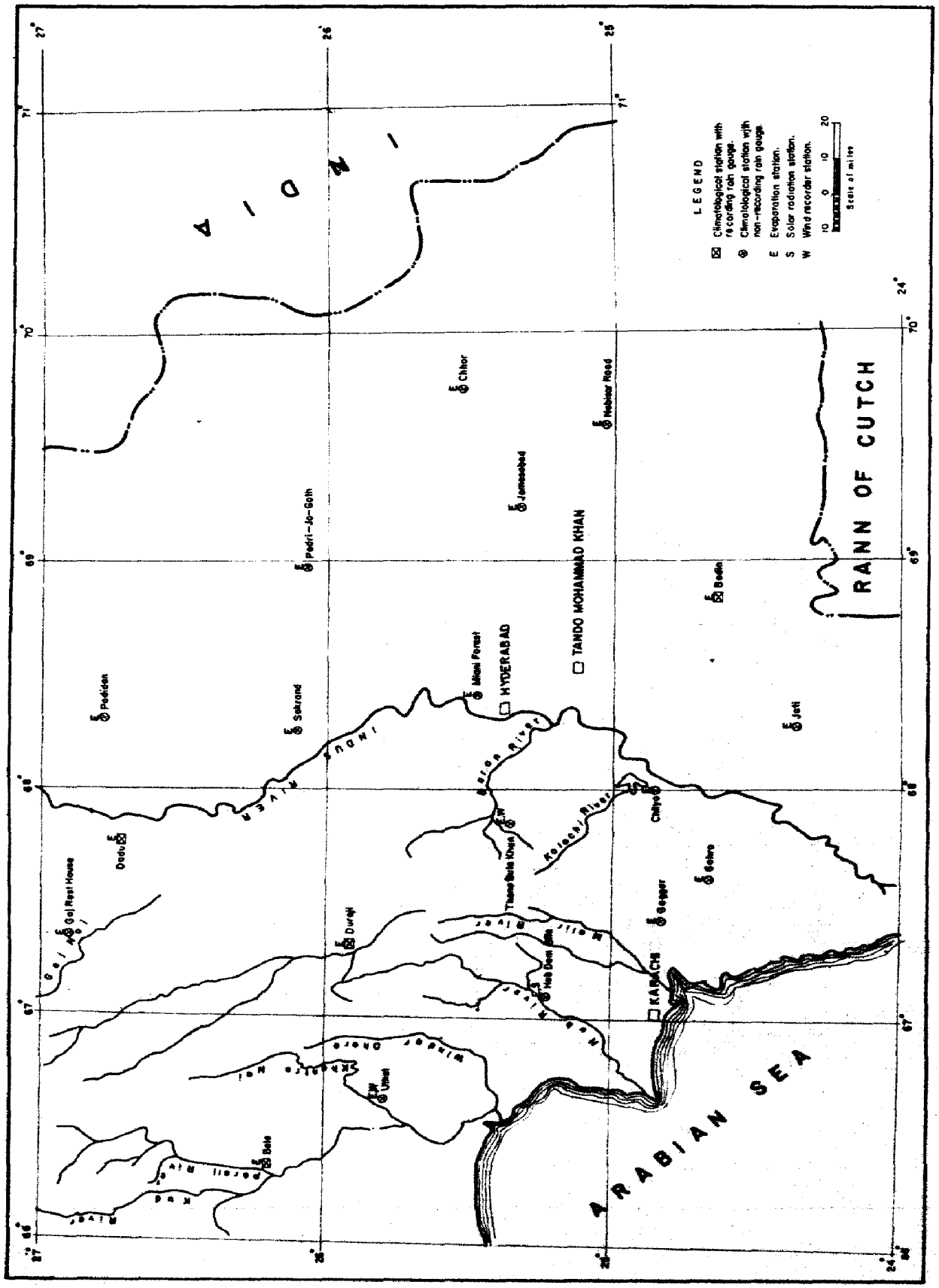
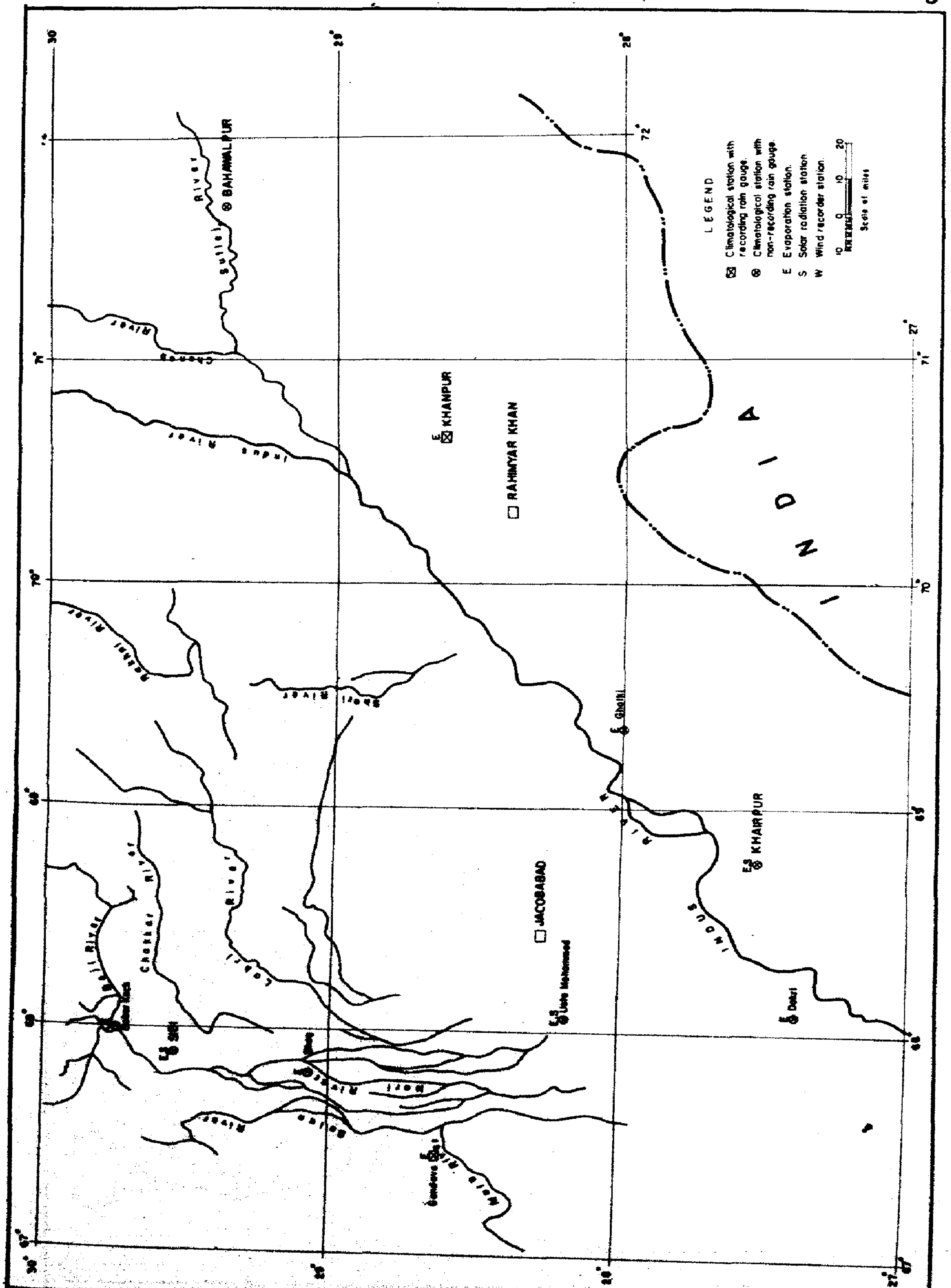


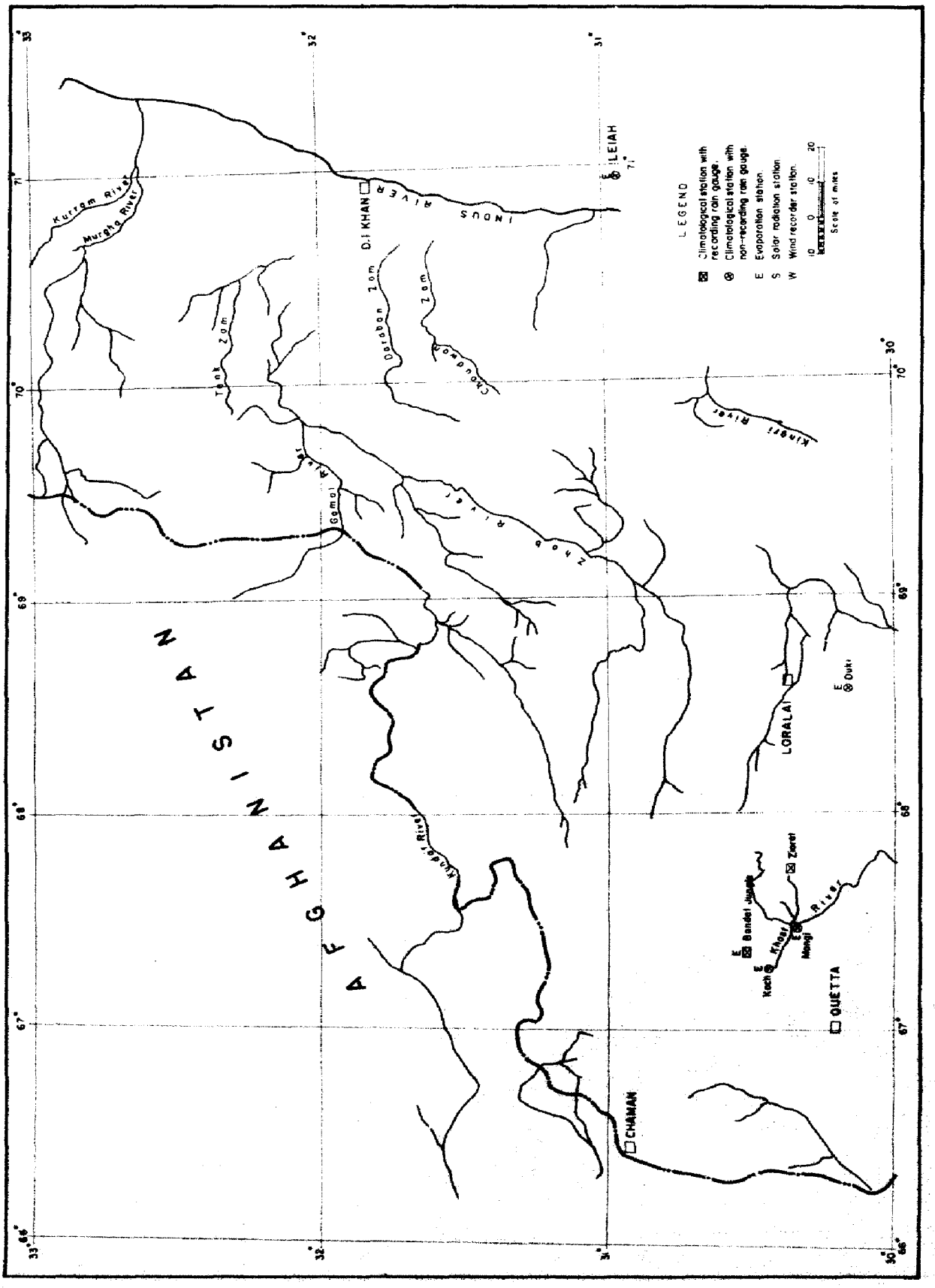
KEY MAP
STATIONS OPERATED BY
SURFACE WATER HYDROLOGY
PROJECT IN 69

MAP AREA A

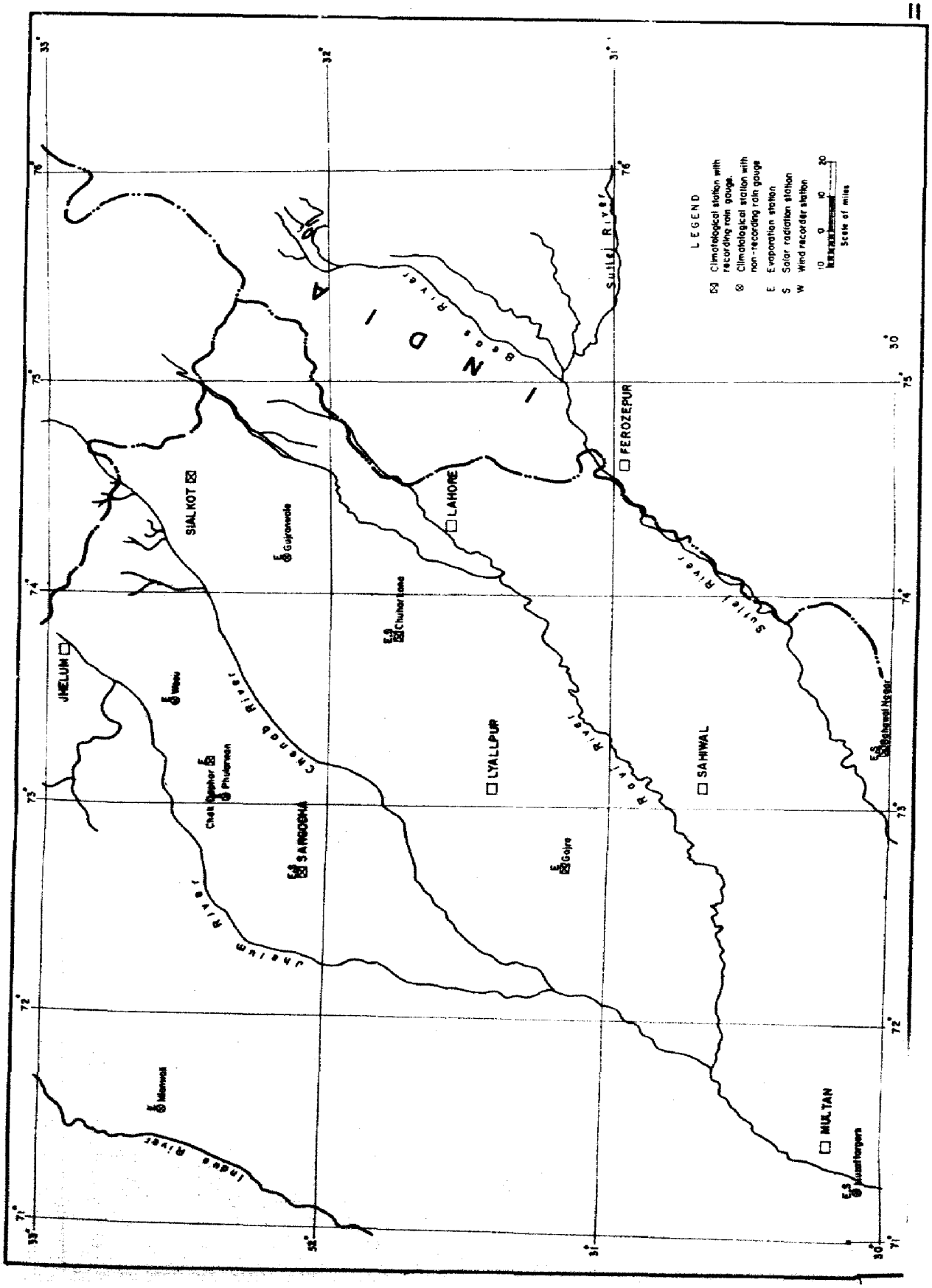

INDIA
RANN OF CUTCH
ARABIAN SEA
LEGEND
Climatological station with recording rain gauge.
Climatological station with non-recording rain gauge.
E Evaporation station.
S Solar radiation station.
W Wind recorder station.
Scale of miles
TANDO MOHAMMAD KHAN
HYDERABAD
KARACHI
Chhor
Nabisar Road
Jamesabad
Padri-Jo-Goth
Badin
Jati
Sakrand
Padidan
Dadu
Gaj Rest House
Durejl
Chilya
Gaggar
Gahra
Bela
Uthal
Thane Bula Khan
Hub Dam Site
Kalachi River
Baran River
Indus River
Gaj Nai
Kud River
Parali River
Khantre Nai
Windar Dhore
Hub River
Malir River


LEGEND
Climatological station with recording rain gauge.
Climatological station with non-recording rain gauge.
E Evaporation station.
S Solar radiation station.
W Wind recorder station.
Scale of miles
BAHAWALPUR
Sutlej River
KHANPUR
RAHIMYAR KHAN
INDIA
Indus River
Ghotki
KHARPUR
JACOBABAD
Dokri

MAP AREA C

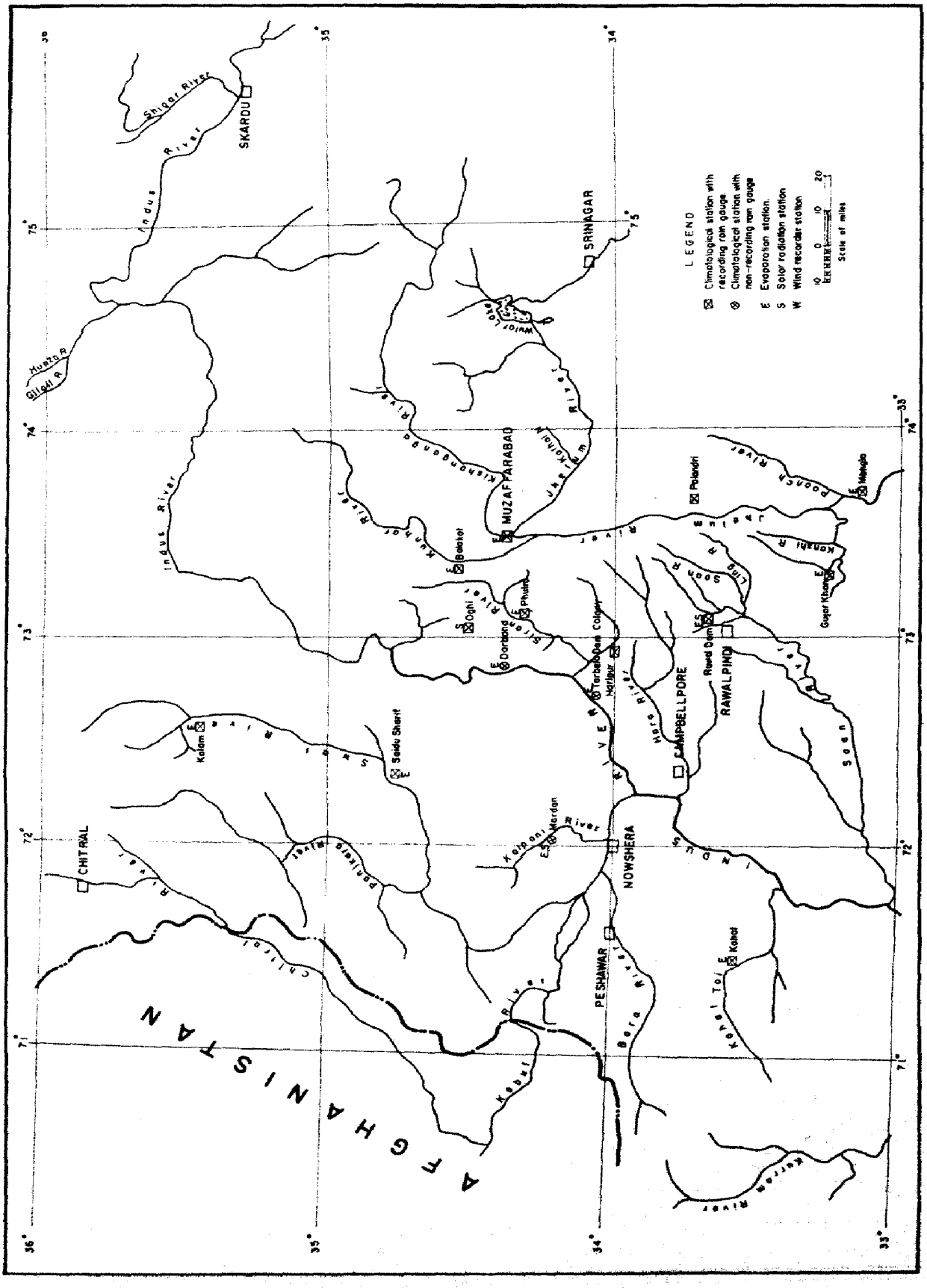

AFGHANISTAN
INDUS RIVER
D.I KHAN
LEIAH
Kurram River
Murgha River
Tank Zam
Daraban Zam
Chaudwan Zam
Gomal River
Zhob River
Kingri River
Kundar River
LORALAI
Duki
QUETTA
CHAMAN
Kach
Khost River
Mangi
Bandai Jungle
Ziarat
LEGEND
Climatological station with recording rain gauge.
Climatological station with non-recording rain gauge.
E Evaporation station.
S Solar radiation station.
W Wind recorder station.
Scale of miles

MAP AREA D



LEGEND
Climatological station with recording rain gauge.
Climatological station with non-recording rain gauge
E. Evaporation station
S Solar radiation station
W Wind recorder station
Scale of miles
INDIA
Beas River
Sutlej River
Chenab River
Jhelum River
Indus River
Ravi River
SIALKOT
LAHORE
FEROZEPUR
JHELUM
LYALLPUR
SAHIWAL
SARGODHA
MULTAN
Guijranwala
Chuharkana
Weau
Chak Dephar
Phularwan
Gojra
Bahawal Nagar
Manwali
Muzaffargarh

MAP AREA E



LEGEND
Climatological station with recording rain gauge.
Climatological station with non-recording rain gauge
E Evaporation station.
S Solar radiation station
W Wind recorder station
Scale of miles
SKARDU
SRINAGAR
MUZAFFARABAD
CHITRAL
NOWSHERA
PESHAWAR
RAWALPINDI
CAMPBELLPORE
Indus River
Shigar River
Hunza R
Gilgit R
Kishanganga River
Kunhar River
Jhelum River
Poonch River
Kanshi R
Soan R
Ling R
Sirang River
Swat River
Panjkora River
Kalpani River
Kabul River
Bara River
Kohat Toi
Kurram River
Kalam
Saidu Sharif
Mardan
Balakot
Ogli
Dardand
Phulra
Tarbela Dam Colony
Harlour
Rawal Dam
Gujar Khan
Mangla
Palandri
Kohat
AFGHANISTAN

CLIMATOLOGICAL STATION RECORDS

DAILY MAXIMUM—MINIMUM TEMPERATURES

DEW POINT TEMPERATURES

RELATIVE HUMIDITY

SOLAR RADIATION

WIND MOVEMENT

EVAPORATION (PAN)

DAILY PRECIPITATION

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Location	Latitude 29°47', Longitude 67°58', near Babar Kach Railway Station.
Elevation	800 ± ft. msl.
Period of record	The observatory established by Surface Water Hydrology Project since 14.3.65. Non-recording rainfall data available with Meteorological Department prior to this date.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation Pan. Anemometer.
Annual figures	Precipitation 1.59 inches Evaporation (Pan) 135.34 inches Absolute maximum air temperature 122 °F Absolute minimum air temperature 30 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel, are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

BARABANKI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			68	40	40	41	71	43		0.10	-
2	70	30	66	39	23	55	68	77		0.10	-
3	69	31			12	40	39	42		0.10	-
4	70	32	64	35	12	30	39	26		0.11	-
5	74	30	65	37	17	55	49	77		0.12	-
6	71	32	65	38		38		38		0.10	-
7			65	46	28	43	44	47		0.12	-
8	77	44	69	47	34	32	62	29		0.11	-
9	68	41	63	42	25	42	50	36		0.10	-
10	78	42	70	42	30	54	59	77		0.13	-
11	73	43	66	45	26	46	42	53		0.13	-
12	69	48	59	47	36	21	66	15		0.10	-
13	71	38	70	39	20	38	37	38		0.21	-
14	72	35	66	39	18	43	45	47		0.20	-
15	73	31	62	38		53		53		0.14	-
16	79	32	68	39	28	30	79	25		0.05	-
17	72	33	65	38	25	32	62	24		0.11	-
18	77	35	69	40	24	46	55	39		0.13	-
19	78	37	68	39	29	45	64	38		0.13	-
20	79	39	72	41	32	34	66	56		0.14	-
21			71	44	35	46	68	39		0.11	-
22	77	43	71	47	39	43	84	31		0.10	-
23	80	44	75	48	32	45	61	36		0.13	-
24	78	44	74	47	34	46	62	34		0.13	-
25	80	46	75	49	38	46	60	39		0.13	-
26	77	51	70	49	30	54	36	68		0.13 *	-
27	73	49	68	41	8	28	18	21		0.14 *	-
28	76	39	70	42	13	36	26	28		0.19	-
29	80	40	71	43	23	39	49	30		0.15	-
30			73	43	34	34	62	24		0.16	-
31	80	45	72	42	31	28	50	18		0.17	-
Tot:										3.97	0.00
Ave:											

* Estimated evaporation

Feburary 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	77	42	74	43	9	26	17	19		0.29	-
2	75	34	71	40	27	28	70	21		0.23	-
3			70	39	7	34	27	26		0.17	-
4	75	38	70	40	15	32	28	24		0.30	-
5	76	34	72	40	11		34			0.20	-
6										0.18 *	-
7					17	26	43	17		0.16	-
8			73	40	22	26	47	17		0.14	-
9	77	40	73	42	28	34	58	26		0.17	-
10			74	43	33	37	67	29		0.16	-
11	75	43	69	45	30	47	59	35		0.11	-
12	83	43	75	46	27	49	40	66		0.20	-
13	64	51	58	49	48	51	86	76		0.07	0.34
14	76	38	73	52	22	48	47	50		0.14	-
15			70	52	41	41	66	33		0.10	-
16	76	52	76	52	48	37	75	31		0.12	-
17			61	53	43	21	85	13		0.05	0.30
18	76	44	75	53	39	34	77	24		0.13	-
19	76	45	75	51	40	39	71	30		0.13	-
20	80	47	79	51	42	39	72	24		0.18	-
21	81	50	80	42	46	38	79	25		0.18	-
22	81	47	81	49	40	37	71	23		0.15	-
23	85	58	80	51	48	46	70	27	13	0.17	-
24	87	57	81	52	53	50	76	33	6	0.22	-
25	87	54	86	63	46	37	56	23	19	0.18	-
26	83	60	81	51	56	56	78	61	30	0.10	-
27										0.12 *	0.38
28					48	58	80	32	27+	0.15	-
Tot:										4.49	1.02
Ave:											

*** Estimated evaporation.**

+ Two days observation.

BABAR KACH

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	51	83	55	47	47	80	31	16	0.20	-
2	86	53	85	54	47	58	63	43	10	0.20	-
3	88	58	88	59	51	54	71	32	15	0.31	-
4	92	58	89	67	51	25	71	10	12	0.27	-
5	94	58	89	61	51	48	71	24	14	0.33	-
6	93	58	90	62	53	46	72	23	14	0.32	-
7	95	58	89	59	57	48	94	24	12	0.28	-
8	93	59	90	59	52	47	67	20	13	0.40	-
9	98	60	91	59	50	-3	62	2	19	0.40	-
10	101	60	91	59	51	53	69	22	11	0.26	-
11	102	59	96	61	46	51	56	19	5	0.37	-
12	105	60	95	62	45	54	49	21	4	0.44	-
13	105	60	94	61	45	51	49	19	6	0.34	-
14	103	63	95	62	45	44	49	14	0	0.34	-
15	103	61	94	61	61	46	31	15	6	0.34	-
16	105	67	95	63	49	49	51	21	6	0.46	-
17	101	63	94	62	48	53	50	22	2	0.30	-
18			90	63	47	49	35	24	11	0.40	-
19	103	65	89	61	44	47	35	23	21	0.29	0.05
20	103	58	91	59	45	48	55	24	24	0.40	-
21	105	61	91	59	51	47	47	23	18	0.40	-
22	93	71	90	58	57	57	55	27	21	0.30	-
23	98	72	91	59	62	69	58	50	9	0.30	-
24	90	70	95	68	61	59	63	34	0	0.[illegible]	-
25	94	68	91	68	67	32	90	17	6	0.[illegible]	0.18
26	88	56	87	52	35	40	34	18	0	0.54	-
27	91	52	90	53	45	39	68	19		0.33	-
28	90	54	89	54	39	55	36	30		0.35	-
29										0.3[illegible]	-
30					45	52	49	23		0.3[illegible]	-
31	101	62	93	61	49	56	60	26		0.4[illegible]	[illegible]
Tot:										10.7[illegible]	0.23
Ave:											

* Estimated evaporation.

BABAR KACH

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	63	94	62	51	53	52	22		0.42	-
2	104	62	96	62	41	47	31	15		0.43	-
3	105	63	94	63	39	49	32	15		0.41	-
4	107	65	102	64	56	51	52	16		0.41	-
5	108	65	107	64	56	50	55	20		0.42	-
6	109	66	95	66	50	48	48	19		0.46	-
7	101	68	95	66	49	55	40	24		0.40	-
8	104	72	97	68	53	59	45	24		0.37	-
9	105	74	97	69	52	53	42	18		0.40	-
10			98	70	49	50	29	20		0.60	-
11	106	76	98	68	57	12	49	5		0.55	-
12	98	77	93	67	61	76	54	58		0.35	-
13	95	73	94	67	59	59	53	36		0.40	-
14			92	68	62	76	55	58		0.30	-
15	97	72	91	68	64	76	68	63		0.32	0.06
16	94	68	85	61	63	35	30	15		0.34	-
17	94	64	88	57	41	56	34	32		0.43	-
18	94	64	89	58	42	57	40	33		0.44	-
19	96	62	90	59	48	59	33	34		0.44	-
20	99	61	94	57	48	60	26	34		0.43	-
21	99	63	85	57	32	57	29	33		0.64	-
22	94	58	92	56	40	76	45	58		0.42	-
23			94	51	37	57	29	27		0.45	-
24	101	64	93	59	40	47	27	23		0.54	-
25	103	67	96	63	40	26	35	10		0.42	-
26	103	67	95	63	38	63	26	28		0.56	-
27	106	67	97	64	44	62	33	31		0.50	-
28			95	66	61	47	57	23		0.54	-
29	101	73	95	59	38	56	27	32		0.56	-
30	100	73	96	55	41	50	30	25		0.50	-
Tot:										13.45	0.06
Ave:			94	63							

BABAR KACH

May 1969

Date	TEMPERATURES °F Air Max	Air Max	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	59	98	56	43	51	31	26		0.48	-
2	100	61	98	55	55	51	61	24		0.46	-
3			93	68	59	54	46	23		0.41	-
4	102	74	97	68	55	59	37	26		0.50	-
5	104	78	98	67	56	55	36	22		0.[illegible]	-
6	108	80	100	69	57	61	34	26		0.58	-
7	109	81	100	70	59	59	36	25		0.62	-
8	107	79	99	68	59	58	36	24		0.64	-
9	112	74	103	70	63	63	38	23		0.66	-
10	112	89	103	72	64	47	36	23		0.55	-
11	105	76	98	72	70	65	66	30		0.30	-
12	106	78	102	72	56	52	32	19		0.57	-
13	104	81	95	64	65	58	24	31		0.85	-
14	103	79	94	62	37	51	22	25		0.53	-
15	9[illegible]	[illegible]6	91	63	56	67	58	45		0.55	-
16	9[illegible]	[illegible]1	94	67	55	61	43	28		0.50	-
17	102	70	98	68	56	60	40	26		0.40	-
18	106	78	99	71	55	48	28	16		0.48	-
19	108	74	98	64	41	55	20	20		0.82	-
20	109	76	98	65	52	48	29	16		0.80	-
21	105	73	99	70	56	65	40	27		0.55	-
22	109	79	101	72	59	68	33	31		0.55	-
23	111	81	102	73	62	71	34	34		0.60	-
24	111	78	103	70	53	68	31	31		0.80	-
25			101	73	63	59	33	25		0.60	-
26	108	74	99	70	60	63	42	28		0.64	-
27	118	75	102	68	50	67	25	32		0.63	-
28	119	75	102	69	52	73	21	25		0.67	-
29	122	78	104	69	60	80	31	32		0.90	-
30	121	80	104	73	65	80	56	36		0.76	-
31	115	77	102	68	62	54	52	16		0.80	-
Tot:										18.76	0.00
Ave:											

BABAR KACH

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	122	81	113	79	73	77	50	51		0.76	-
2	112	91	104	73	61	48	33	16		0.63	-
3	105	82	92	73	54	63	29	23		0.52	-
4	113	76	103	78	57	63	37	26		0.65	-
5	114	74	103	69	56	59	31	18		0.69	-
6	114	80	102	70	64	65	36	22		0.73	-
7	115	76	103	71	60	63	34	20		0.60	-
8	116	77	103	72	55	63	24	21		0.73	-
9	116	80	103	72	59	65	34	21		0.60	-
10	117	76	103	67	64	66	33	22		0.81	-
11	117	83	103	68	59	67	28	32		0.95	-
12	117	80	103	69	51	68	27	25		0.70	-
13	113	84	104	72	79	76	54	34		0.70	-
14	113	86	104	71	81	88	51	53		0.60	-
15	111	86	104	79	77	80	56	54		0.61	-
16	111	88	105	80	74	72	46	29		0.60	-
17	113	87	105	79	76	59	51	33		0.60	-
18	114	90	107	80	77	77	54	33		0.60	-
19	115	92	106	80	80	76	54	27		0.65	-
20	121	90	108	81	79	75	54	28		0.63	-
21	121	81	108	73	64	91	32	29		0.85	-
22	122	90	103	71	59	79	23	35		0.88	-
23	121	82	103	73	67	74	38	29		0.80 *	-
24	120	98	104	74	70	76	36	33		0.72	-
25	113	91	104	83	77	77	49	31		0.55	-
26	121	88	106	88	65	73	32	25		0.70	-
27	121	87	105	79	64	77	32	30		0.70	-
28	121	90	106	80	73	75	40	35		0.70	-
29	121	86	102	78	69	79	44	52		0.60	-
30	111	84	102	79	71	75	39	31		0.50	-
Tot:										20.36	0.00
Ave:	116	85	104	75							

* Estimated evaporation.

BABAR KACH

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	114	92	106	78	75	68	55	31		0.60	-
2	109	86	104	80	71	77	51	37		0.60	-
3	111	90	105	81	79	75	52	31		0.50	-
4	115	91	106	78	77	66	49	25		0.50	-
5	115	83	107	82	77	66	51	25		0.60	-
6	115	94	107	81	79	77	54	33		0.60	-
7	115	92	106	82	78	81	59	40		0.70	-
8	113	92	106	81	77	79	54	39		0.60	-
9	112	92	105	82	76	77	53	35		0.70	-
10	113	92	106	83	78	80	59	38		0.60	-
11	112	92	105	82	78	71	59	25		0.57	-
12	115	93	106	81	80	78	57	36		0.58	-
13	113	88	105	78	74	80	46	33		0.55	-
14	112	85	105	77	73	69	54	23		0.60	-
15	118	91	107	80	72	63	47	45		0.60	-
16	119	92	107	79	77	81	47	38		0.60	-
17	113	93	105	82	82	63	60	21		0.60	-
18	114	93	107	83	80	82	62	44		0.60	-
19	112	93	107	83	80	81	57	39		0.60	-
20	113	93	107	84	80	82	57	44		0.50	-
21	114	88	106	83	77	82	61	46		0.46	-
22	115	88	107	81	77	78	60	73		0.40	-
23	114	85	108	81	81	81	74	65		0.35	0.05
24	108	80	103	79	77	80	69	50		0.26	0.23
25	103	79	104	79	75	83	69	63		0.35	-
26	102	83	104	79	77	62	69	53		0.35	-
27	105	87	105	81	76	82	53	53		0.40	-
28	107	92	106	83	74	80	52	43		0.53	-
29	107	85	105	79	75	83	65	55		0.56	-
30	105	79	104	81	78	82	59	46		0.42	-
31	109	91	106	83	78	81	59	45		0.55	-
Tot:										16.43	0.28
Ave:	112	89	106	81							

BABAR KACH

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	107	89	105	82	79	82	67	46		0.51	-
2	109	92	106	82	80	84	65	48		0.55	-
3	109	92	106	83	77	76	61	38		0.50	-
4	107	93	105	83	79	82	59	51		0.55	-
5	108	91	105	80	79	82	64	47		0.45	-
6	108	89	106	81	79	85	67	52		0.50	-
7	107	87	106	81	75	82	65	51		0.50	-
8	106	88	105	81	77	82	61	51		0.45	-
9	107	89	105	82	77	84	63	52		0.47	-
10	108	90	106	83	75	85	53	52		0.47	-
11	109	91	105	92	80	83	65	50		0.50	-
12	108	88	105	81	77	87	63	64		0.49	-
13	108	88	106	81	76	82	63	51		0.45	-
14	104	88	102	81	78	82	69	51		0.45	-
15	105	89	104	81	77	81	63	51		0.45	-
16	105	90	104	81	80	83	70	48		0.45	-
17										0.45 *	-
18										0.46 *	
19	105	86	102	79	72	82	62	51		0.47	-
20	105	86	102	79	72	81	62	49		0.47	-
21	105	85	103	79	77	80	67	48		0.45	-
22	104	82	102	73	75	79	79	50		0.49	-
23	102	81	101	75	71	78	61	49		0.43	-
24	102	84	102	77	75	79	65	50		0.40	-
25	108	85	103	76	71	79	56	44		0.43	-
26	106	86	104	77	73	75	62	38		0.47	-
27	107	82	103	78	77	82	63	44		0.55	-
28	111	83	104	77	76	81	66	43		0.50	-
29	110	82	104	77	72	76	59	37		0.48	-
30	110	82	104	77	71	78	56	39		0.45	-
31	110	83	102	78	71	76	51	38		0.45	-
Tot:										14.69	
Ave:											

* Estimated evaporation.

BABAR KACH

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	82	103	77	83	78	74	39		0.45	-
2	108	80	104	75	75	75	69	34		0.50	-
3	112	78	102	72	70	75	61	36		0.48	-
4	109	80	101	74	69	77	60	42		0.45	-
5	108	83	102	76	77	80	63	45		0.45	-
6	108	83	103	77	74	81	57	43		0.45	-
7	111	83	105	77	73	75	59	40		0.45	-
8	108	83	104	76	72	77	59	45		0.45	-
9	108	84	102	75	75	77	63	42		0.46	-
10	109	84	104	77	76	79	63	44		0.43	-
11	106	84	102	77	70	77	51	42		0.45	-
12	106	86	96	86	81	82	84	51		0.42	-
13	106	82	101	77	51	79	63	44		0.44	-
14	108	82	104	73	57	75	61	41		0.65	-
15	105	69	102	59	58	73	49	40		0.72	-
16	104	68	101	62	60	85	66	59		0.40	-
17	105	70	103	60	50	85	54	56		0.41	-
18	106	63	98	62	59	78	55	48		0.40	-
19	108	64	96	64	68	77	74	46		0.40	-
20	108	64	97	64	70	76	75	45		0.34	-
21	105	76	98	69	77	76	74	38		0.40	-
22			99	71	67	75	87	43		0.41	-
23	106	75	100	68	64	65	73	24		0.37	-
24	112	71	101	67	68	78	68	42		0.47	-
25	110	75	99	67	73	74	70	39		0.42	-
26	106	79	99	72	73	77	71	47		0.38	-
27	104	78	99	74	69	76	60	47		0.40	-
28	105	77	98	72	71	76	70	47		0.40	-
29	104	76	99	73	70	55	74	45		0.40	-
30	105	73	100	70	65	77	76	45		0.35	-
Tot:										13.20	0.00
Ave:			101	71							

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	73	97	70	65	63	59	28		0.35	-
2	105	78	99	72	60	65	54	28		0.45	-
3	104	77	94	68	61	75	57	43		0.40	-
4			95	71	69	73	77	44		0.30	-
5	102	72	97	70	66	75	69	49	23	0.33	-
6	102	72	96	68	64	75	64	46	20	0.32	-
7	104	68	96	67	61	78	65	69	18	0.34	-
8	105	68	95	65	59	75	74	46	11	0.34	-
9	106	66	96	66	58	74	66	42	21	0.30	-
10	104	65	95	66	56	74	65	46	17	0.33	-
11	104	65	96	65	51	70	52	38	18	0.37	-
12	103	69	95	69	64	51	72	21	35	0.39	-
13	103	73	93	76	67	78	69	56	24	0.30	-
14	99	70	94	78	63	75	53	55	18	0.30	-
15	101	72	95	77	58	73	56	50	20	0.30	-
16	100	75	98	77	64	74	55	57	24	0.34	-
17	94	72	91	70	67	74	73	57	22	0.28	-
18	95	66	92	67	59	82	70	67	22	0.24	-
19	100	68	93	66	58	87	66	100	20	0.30	-
20	102	65	93	66	57	74	65	48	18	0.30	-
21	102	65	93	66	57	88	65	78	17	0.26	-
22			93	67	45	87	49	66	16	0.29	-
23	102	63	92	61	54	89	72	75	17	0.30	-
24	103	63	91	61	61	84	75	71	13	0.30	-
25	101	63	90	61	53	74	64	57	15	0.25	-
26	100	62	91	63	50	82	58	65	15	0.25	-
27	102	62	92	63	47	75	49	49	13	0.26	-
28	102	66	92	62	54	86	60	81		0.28	-
29			95	70	63	76	53	63	33 +	0.24	-
30	96	72	90	68	66	74	77	57	27	0.21	-
31			91	66	61	71	79	56		0.23	-
Tot:										9.45	0.00
Ave:			94	68							

\+ Two days wind movement.

BABAR KAch

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	63	89	64	54	82	68	65	15	0.21	-
2	100	60	90	61	52	79	67	59	13	0.25	-
3	100	63	92	61	49	74	58	55	16	0.25	-
4	99	64	91	62	53	77	60	63	16	0.24	-
5	98	67	92	64	60	74	70	60	17	0.25	-
6	96	65	90	60	58	73	70	59	12	0.24	-
7	95	61	93	61	50	66	62	47	25	0.23	-
8	97	62	93	62	57	88	78	82	14	0.22	-
9	95	61	92	61	55	78	77	51	15	0.21	-
10	93	62	93	61	56	65	78	53	17	0.20	-
11	90	59	84	60	56	78	82	83	15	0.20	-
12	91	60	84	59	49	76	72	79	18	0.21	-
13			85	60	62	74	75	78	16	0.19	-
14	88	67	84	59	58	74	66	83	17	0.20	-
15	89	65	84	61	57	75	65	79	22	0.19	-
16	88	66	85	60	58	73	66	82	8	0.20	-
17	89	49	84	51	46	69	85	81	11	0.21	-
18	87	50	83	50	48	68	86	85	12	0.18	-
19	86	51	80	50	45	70	68	86	11	0.17	-
20	82	50	81	50	41	68	61	85	52	0.22	-
21			73	42	40	64	84	89	39	0.18	-
22			71	40	36	68	69	81	6	0.16	-
23	76	42	74	40	36	58	75	83	10	0.19	-
24	77	42	74	40	38	58	83	83	6	0.20	-
25	83	41	73	40	27	56	47	82	9	0.30	-
26	85	40	73	41	28	55	58	82	5	0.10	-
27	86	34	73	42	29	48	80	38	4	0.10	-
28	83	35	71	40	28	46	64	41	12	0.17	-
29	81	39	70	38	25	48	56	42	9	0.13	-
30	81	39	71	42	17	54	39	43	9	0.13	-
Tot:										5.93	0.00
Ave:			82	53					15		

BABAR KACH

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	40	72	41	25	46	56	41	10	0.14	-
2	81	39	71	42	23	50	49	43	7	0.14	-
3	82	41	76	45	25	50	46	48	10	0.17	-
4	84	43	74	42	23	49	34	43	15	0.16	-
5	86	46	73	47	38	63	70	72	13	0.13	-
6	88	46	75	47	36	46	63	41	8	0.14	-
7	85	48	75	48	31	42	50	36	6	0.13	-
8			70	50	19	55	22	77	12	0.13	-
9	84	47	74	47	40	54	71	68	7	0.12	-
10	82	48	75	48	39	48	70	50	14	0.13	-
11											-
12	83	33	76	39	27	41	70	43	18 +	0.26 *	-
13	79	34	70	39		41		49	7	0.15	-
14	80	35	71	40		41		44	3	0.14	-
15	78	33	68	36		37		40	2	0.13	-
16	81	33	68	38	24	52	61	50	11	0.13	-
17	79	34	68	37	25	51	62	47	6	0.10	-
18	82	35	70	38	24	50	55	39	6	0.11	-
19	81	34	69	37	26	46	63	34	9	0.10	-
20			72	48	30	44	54	72	4	0.13	-
21	84	37	70	41	25	50	56	48	7	0.14	-
22	81	36	70	42	25	48	62	50	3	0.12	-
23	79	37	69	42	31	49	73	51	11	0.10	-
24	80	38	71	41	32	52	73	53	9	0.12	-
25	80	40	70	41	32	60	66	70	7	0.12	-
26	78	40	70	41	36	61	82	63	9	0.11	-
27	80	39	70	42	32	52	73	50	5	0.12	-
28	81	40	72	42	30	50	59	48	9	0.12	-
29	79	41	71	41	28	51	44	49	9	0.12	-
30	79	49	71	46	47	48	86	50	8	0.10	-
31	74	45	68	46	35	48	68	47	7	0.09	-
Tot:										3.90	0.00
Ave:									8		

* Two days evaporation.
\+ Two days wind movement.

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Location Latitude 24°39', Longitude 68°50', about ½ mile from Badin on Badin-Nagar Parkar road.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (Old L.I.P) on 22.8.1963 and taken over by Surface Water Hydrology Project in December 1965.

Instruments
5" Non-recording rain gauge.
Casella weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	2.23 inches
Evaporation (Pan)	127.30 inches
Absolute maximum air temperature	110 °F
Absolute minimum air temperature	39 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

BADIN

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	45			41	36	66	28	72	0.15	-
2	73	42			42	32	67	26	52	0.17	-
3	71	39			37	21	62	17	50	0.16	-
4	72	41			36	28	58	23	52	0.17	-
5											-
6											-
7											-
8	72	40			45	28	79	21	379 +	0.65 *	-
9	75	44	73	46	48	28	80	19	91	0.18	-
10	73	41	72	49	46	29	79	16	57	0.17	-
11	81	51	78	54	48	59	70	33	31	0.20	-
12			79	52	51	56	71	46	64	0.21	-
13	82	48	80	50	41	44	57	35	121	0.22	-
14	75	43	74	46	34	45	44	32	33	0.20	-
15	81	47	75	41	35	51	42	39	33	0.21	-
16	81	48	78	51	42	45	58	36	45	0.20	-
17	78	47	77	50	37	43	54	29	48	0.19	-
18	79	48	78	41	38	40	55	27	39	0.18	-
19	79	49	77	50	27	46	36	33	63	0.20	-
20	81	48	76	47	40	39	52	24	68	0.21	-
21	81	46	76	47	28	47	37	35	66	0.22	-
22	79	49	77	48	38	40	55	27	37	0.21	-
23	81	49	78	48	30	39	39	23	64	0.23	-
24	83	49	79	47	46	45	64	25	23	0.24	-
25	87	55	79	56	47	52	61	29	63	0.25	-
26			82	59	62	52	94	32	105	0.23	-
27	86	52	81	56	48	39	70	24	122	0.22	-
28	81	47	80	52	46	39	69	24	30	0.23	-
29	80	47	77	49	49	47	75	35	32	0.21	-
30	83	56	76	54	41	39	46	23	75	0.24	-
31			82	58	59	28	83	13	117	0.25	-
Tot:										6.20	0.00
Ave:									66		

\+ Four days wind movement.
* Four days evaporation.

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	60	84	57	41	34	46	24	144	0.26	–
2	75	47	74	50	38	34	47	27	40	0.22	–
3	74	45	72	44	37	38	50	26	64	0.21	–
4	77	46	76	45	35	30	45	22	53	0.23	–
5	74	42	73	45	46	35	74	23	59	0.22	–
6	76	43	75	46	46	33	60	20	43	0.25	–
7	80	43	77	45	56	27	30	14	59	0.26	–
8	81	44	76	45	59	34	36	19	79	0.25	–
9	84	46			47	46	52	33	82	0.28	–
10	83	45			62	46	65	27	31	0.23	–
11					56	59	89	44	87	0.27	–
12	85	60			58	50	82	31	105	0.26	–
13			85	65	49	38	83	25	146	0.29	–
14	79	52	78	54	49	33	70	21	87	0.30	–
15	79	53	81	53	51	31	81	19	102	0.23	–
16			82	53	46	51	64	39	79	0.26	–
17	80	54	81	56	59	42	83	37	37	0.27	–
18	81	52	85	55	50	40	62	26	53	0.28	–
19	81	53	80	51	44	38	51	21	77	0.30	–
20	83	50	82	53	49	39	58	20	54	0.29	–
21	86	52	85	56	59	48	84	27	31	0.26	–
22	89	61	87	64	61	48	74	27	91	0.28	–
23	90	67	89	62	65	49	79	27	105	0.27	–
24	88	63	86	62	66	61	89	42	136	0.28	–
25	88	66	89	64	67	58	90	39	119	0.30	–
26	88	63	87	64	60	61	90	40	92	0.26	–
27	89	64	88	63	60	57	79	38	87	0.29	–
28	88	60	89	61	59	53	71	33	80	0.31	–
Tot:										7.41	0.00
Ave:									79		

LADIN

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	56	87	58	50	49	58	26	57	0.32	-
2	90	58	89	60	56	48	65	24	33	0.31	-
3	92	58	90	56	48	48	50	22	38	0.30	-
4	94	62	91	60	54	61	68	39	35	0.32	-
5	95	60	90	59	51	47	58	20	43	0.33	-
6	95	63	86	62	66	54	95	26	75	0.27	-
7	96	63	91	62	61	50	84	22	100	0.31	-
8	97	62	92	63	59	54	67	23	61	0.32	-
9	99	63	93	63	62	55	71	24	49	0.30	-
10	99	61	94	63	67	59	81	27	49	0.31	-
11	101	64	95	65	62	51	64	19	33	0.33	-
12	103	67	95	64	60	34	70	10	62	0.34	-
13	104	67	95	63	57	44	62	14	72	0.35	-
14	104	65	96	64	59	52	62	21	72	0.34	-
15	102	63	95	64	56	56	61	26	25	0.33	-
16	99	65	94	64	59	54	62	23	131	0.31	-
17	95	67	93	64	57	65	62	44	173	0.32	-
18			92	69	69	56	81	32	165	0.35	-
19	91	70	90	67	70	55	81	30	167	0.36	-
20	94	69	93	68	72	51	90	20	111	0.37	-
21	99	67	94	68	68	53	73	24	110	0.38	-
22	97	71	92	68	75	59	91	33	128	0.36	-
23	95	72	93	69	69	56	86	26	170	0.37	-
24	99	73	95	71	71	56	82	28	117	0.35	-
25	97	74	94	71	69	51	81	24	105	0.34	-
26	96	73	93	71	68	46	81	21	126	0.33	-
27	94	63	91	58	63	48	84	22	87	0.36	-
28	95	62	92	60	62	51	71	26	45	0.37	-
29	96	64	93	61	58	55	59	30	41	0.38	-
30	95	61	92	59	68	58	81	32	46	0.39	-
31	96	63	93	60	64	40	68	14	45	0.41	-
Tot:										10.53	0.00
Ave:			92	64					83		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	61	95	59	67	48	90	19	62	0.37	-
2	102	69	98	66	68	52	73	17	51	0.38	-
3	107	70	95	68	72	50	90	16	77	0.43	-
4	106	73	95	67	68	57	77	23	121	0.45	-
5	103	75	94	68	74	69	91	39	129	0.48	-
6	101	76	100	73	72	66	82	31	51	0.40	-
7	105	75	98	71	70	69	81	32	50	0.36	-
8	105	73	100	71	69	72	81	38	60	0.29	-
9	105	74	99	71	72	67	78	32	65	0.40	-
10	104	75	99	72	71	74	82	39	95	0.38	-
11	106	74	101	72	69	58	73	26	109	0.41	-
12			95	72	72	62	78	29	137	0.40	-
13	102	77	94	73	71	69	70	39	130	0.44	-
14	101	75	97	74	74	56	85	22	69	0.41	-
15	104	76	96	73	74	61	75	28	142	0.45	-
16	102	78	97	74	71	59	74	28	131	0.47	-
17	98	72	96	70	72	66	71	37	107	0.46	-
18	99	71	96	70	73	55	78	24	66	0.51	-
19	101	77	97	72	71	64	70	36	93	0.40	-
20	100	75	98	72	70	56	67	26	127	0.43	-
21	98	73	93	70	73	43	71	16	117	0.44	-
22	97	65	94	63	54	47	46	20	65	0.48	-
23	98	68	95	61	67	39	73	13	55	0.49	-
24	102	69	96	66	67	55	66	22	74	0.45	-
25	105	70	97	67	69	56	77	23	94	0.47	-
26	105	71	98	69	71	51	78	18	79	0.50	-
27	106	73	99	71	74	74	86	46	98	0.51	-
28	102	76	99	72	72	69	71	42	134	0.50	-
29	99	77	98	74	73	54	71	21	150	0.49	-
30	102	71	97	66	59	45	44	17	109	0.52	-
Tot:										13.27	0.00
Ave:			97	70					94		

BADIN

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	71	91	63	48	59	38	30	96	0.54	-
2	97	71	92	65	47	62	30	31	66	0.52	-
3	101	78	94	67	75	69	83	37	61	0.45	-
4	101	76	98	74	71	69	67	34	82	0.43	-
5	105	76	102	73	74	61	78	28	85	0.47	-
6	106	75	100	72	72	68	65	36	120	0.51	-
7	103	77	95	73	73	70	75	41	116	0.52	-
8	102	81	97	76	72	67	74	38	159	0.53	-
9	101	79	99	76	76	71	79	39	150	0.54	-
10	104	79	100	76	77	68	78	33	144	0.52	-
11	104	80	100	77	78	72	87	40	129	0.53	-
12	103	80	96	77	71	69	67	37	105	0.50	-
13	102	79	96	76	74	74	71	48	61	0.51	-
14	101	75	98	77	75	73	72	50	182	0.52	-
15	100	76	96	74	71	81	64	62	44	0.49	-
16	101	74	98	68	71	73	58	44	67	0.47	-
17	103	73	99	70	71	69	67	32	60	0.44	-
18	107	77	99	71	80	76	87	45	124	0.46	-
19	104	79	100	76	78	76	79	45	134	0.48	-
20	109	79	103	74	77	77	72	40	47	0.50	-
21	110	80	104	76	79	75	80	43	83	0.51	-
22	106	79	99	75	75	72	75	40	143	0.49	-
23	105	78	98	74	73	73	68	39	144	0.48	-
24	107	80	100	75	76	77	72	45	143	0.50	-
25	106	77	101	76	80	74	87	42	148	0.51	-
26	105	78	98	75	71	77	61	49	141	0.49	-
27	104	81	99	77	80	71	80	43	193	0.51	-
28	101	81	98	77	79	73	80	48	209	0.57	-
29	101	82	97	78	81	76	84	51	215	0.59	-
30	101	83	96	78	78	71	73	45	227	0.60	-
31	100	83	98	79	78	74	79	48	201	0.59	-
Tot										15.77	0.00
Ave:	103	78	98	74					106		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	102	82	98	78	78	71	83	43	202	0.60	–
2	103	81	98	77	76	75	75	49	165	0.58	–
3	101	83	99	78	75	77	75	54	141	0.59	–
4	102	82	99	77	79	75	76	49	138	0.56	–
5	101	83	100	78	80	77	76	45	97	0.54	–
6	105	82	104	79	79	77	76	51	84	0.56	0.01
7	103	83	101	80	78	77	79	47	105	0.51	–
8	104	83	100	78	80	79	80	59	153	0.55	–
9	101	83	99	78	77	75	76	46	176	0.56	–
10	101	84	99	79	76	78	75	56	168	0.54	–
11	99	83	98	79	80	77	87	56	191	0.52	–
12	100	83	99	79	78	76	79	55	162	0.50	–
13	99	82	99	78	80	78	80	59	149	0.51	–
14	99	83	98	78	78	76	79	53	150	0.50	–
15	98	83	96	79	77	75	79	55	152	0.49	–
16	97	82	95	78	78	77	79	61	169	0.50	–
17	97	83	95	79	78	83	79	71	176	0.51	–
18	98	82	96	79	79	80	83	62	147	0.46	–
19	99	83	98	79	82	85	88	53	170	0.47	–
20	100	83	99	79	80	86	87	69	135	0.45	–
21	101	84	100	80	81	84	84	63	176	0.48	–
22	103	84	100	79	81	92	87	79	178	0.50	–
23	107	84	103	79	81	85	84	66	145	0.52	–
24	102	84	101	79	81	82	84	55	163	0.51	–
25	106	83	102	80	77	87	72	75	133	0.50	–
26	102	84	100	79	79	85	83	69	147	0.49	–
27	100	82	98	77	81	87	84	72	204	0.52	–
28	100	83	98	78	79	81	80	65	179	0.53	–
29	97	83	98	79	80	86	80	72	150	0.51	–
30	100	83	99	79	79	86	83	78	155	0.49	–
Tot:										15.55	0.01
Avg:	101	83	99	79					155		

BADIN

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	97	83	97	79	81	86	84	75	147	0.48	-
2	98	83	99	79	79	87	80	75	139	0.50	-
3	99	83	100	79	81	83	91	65	127	0.47	-
4	99	82	99	78	78	85	79	72	121	0.46	-
5	99	83	100	79	81	84	91	71	150	0.44	-
6	98	83	98	78	81	86	87	78	167	0.45	-
7	97	82	96	78	80	83	87	74	149	0.44	-
8	98	82	99	79	82	87	88	81	158	0.47	-
9	97	83	98	78	81	85	84	81	160	0.49	-
10	97	82	97	79	81	87	87	78	148	0.48	-
11	98	83	99	79	81	85	84	74	137	0.47	-
12	98	82	98	79	81	87	84	75	146	0.46	-
13	99	82	100	79	79	90	80	75	119	0.44	-
14	107	85	101	80	77	80	72	62	116	0.50	-
15	97	84	94	81	81	82	87	62	125	0.45	-
16	101	84	104	81	80	78	80	59	98	0.32	0.03
17	97	83	100	79	77	76	76	60	163	0.42	-
18	95	83	95	78	76	74	75	55	217	0.51	-
19	94	83	94	79	77	73	79	59	206	0.47	-
20	93	82	91	77	75	79	72	73	222	0.45	-
21	91	80	91	79	83	84	75	77	129	0.09	0.07
22	93	82	99	81	81	86	84	78	72	0.31	0.07
23	95	80	97	80	80	81	87	84	70	0.30 *	2.08
24	87	80	90	77	79	79	87	76	84	0.20	-
25	91	80	94	77	77	79	79	73	121	0.32	-
26	93	81	96	78	78	81	79	74	132	0.41	-
27	92	81	94	77	79	80	80	76	179	0.43	-
28	91	81	94	76	79	79	87	80	235	0.45	-
29	90	81	90	77	77	77	79	69	210	0.39	-
30	91	82	92	79	80	78	91	67	156	0.34	-
31	94	81	96	78	78	75	83	63	153	0.38	-
Tot:										12.79	2.25
Ave:	96	82	97	79					117		

* Estimated evaporation.

BADIN

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	81	95	77	76	77	79	69	157	0.39	-
2	91	81	92	78	75	77	75	67	146	0.37	-
3	91	81	92	78	77	76	83	66	147	0.36	-
4	91	82	92	77	81	79	83	70	122	0.35	-
5	92	81	93	77	77	78	83	73	147	0.34	-
6	91	80	92	78	78	78	83	67	138	0.36	-
7	93	81	94	78	76	77	83	72	155	0.37	-
8	90	81	91	77	76	76	79	72	148	0.35	-
9	88	80	89	76	75	75	83	72	157	0.31	-
10	89	80	89	76	74	76	83	79	194	0.34	-
11	84	79	83	76	76	75	87	72	116	0.20	-
12	89	77	90	76	74	73	87	68	122	0.23	-
13	85	79	85	76	74	75	83	75	130	0.23	-
14	85	78	86	76	76	76	91	79	106	0.22	-
15	86	78	85	76	73	75	78	75	112	0.24	-
16	85	77	86	76	75	75	83	72	115	0.25	-
17	86	78	85	77	76	75	87	72	116	0.24	-
18	87	79	87	76	75	74	83	76	119	0.25	-
19	89	80	89	76	76	72	83	62	146	0.34	-
20	90	79	91	75	75	71	83	61	147	0.37	-
21	89	77	89	73	73	75	83	72	137	0.35	-
22	89	78	89	74	72	72	74	62	141	0.36	-
23	91	77	93	73	73	73	85	62	116	0.38	-
24	92	77	95	75	74	73	78	57	102	0.36	-
25	93	77	96	74	74	73	83	54	78	0.35	-
26	94	77	98	74	75	74	79	52	96	0.36	-
27	96	78	99	75	74	73	83	52	88	0.41	-
28	95	78	98	76	75	71	83	51	85	0.40	-
29	94	78	98	75	74	73	78	57	104	0.44	-
30	93	79	97	74	75	75	79	60	113	0.43	-
31	95	80	94	75	73	72	71	57	123	0.45	-
Tot:										10.40	0.00
Ave:	90	79	91	76					127		

BARIN

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	92	78	95	75	75	52	83	57	78	0.41	-
2	92	79	95	76	73	73	75	59	102	0.37	-
3	91	79	93	75	75	75	83	65	113	0.36	-
4	92	77	95	75	75	73	79	59	92	0.38	-
5	93	77	96	75	74	74	78	57	78	0.36	-
6	93	77	96	74	74	73	78	57	108	0.37	-
7	92	77	95	74	75	74	83	60	98	0.37	-
8	93	78	97	75	74	73	75	51	77	0.38	-
9	101	82	101	79	77	74	76	46	82	0.40	-
10	103	80	102	76	77	75	83	49	79	0.42	-
11	100	80	97	77	77	75	79	53	84	0.36	-
12	99	77	100	73	73	72	78	59	114	0.35	-
13	91	78	94	74	74	73	78	62	158	0.38	-
14	91	80	93	75	73	72	75	62	169	0.42	-
15	97	75	95	74	74	44	78	36	115	0.35	-
16	100	72	95	70	71	66	82	41	67	0.42	-
17	95	76	95	71	74	67	86	49	65	0.34	-
18	96	76	95	73	72	66	88	43	98	0.35	-
19	95	74	95	72	73	68	86	45	115	0.36	-
20	94	72	95	70	72	69	78	60	99	0.37	-
21	95	74	96	72	73	69	83	44	87	0.35	-
22	98	75	98	73	75	70	91	48	112	0.36	-
23	97	74	95	72	73	68	91	50	123	0.38	-
24	92	76	92	73	72	70	82	55	164	0.39	-
25	91	75	93	72	72	72	84	62	143	0.36	-
26	90	76	92	72	73	71	82	61	131	0.34	-
27	89	75	90	73	72	71	66	58	114	0.32	-
28	90	74	92	72	74	68	91	45	92	0.29	-
29	93	73	94	70	72	65	82	41	87	0.30	-
30	95	74	94	71	71	71	82	58	101	0.33	-
Total										10.94	0.00
Avg.	94	76	95	73					105		

BADIN

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	76	92	73	72	73	82	65	158	0.31	-
2	89	77	90	73	73		86		244	0.32	-
3											
4	92	76	95	74	71	69	78	44	108 +	0.63 *	-
5	95	76	100	73	72	66	82	37	39	0.32	-
6	99	74	99	71	69	58	77	26	30	0.31	-
7	101	73	96	70	65	56	59	26	62	0.36	-
8	100	71	97	72	68	61	70	32	88	0.35	-
9	102	70	96	69	69	64	70	36	89	0.42	-
10	101	67	96	68	67	61	73	30	65	0.33	-
11	102	71	91	67	70	53	75	24	73	0.34	-
12	98	72	90	70	73	69	91	46	97	0.36	-
13	94	71	92	72	71	72	86	54	67	0.38	-
14	93	74	94	72	74	74	86	55	129	0.40	-
15	94	73	96	72	74	70	87	47	56	0.26	-
16	95	73	97	71	71	69	86	42	44	0.30	-
17	98	72	97	72	69	67	77	41	33	0.28	-
18	97	74	96	71	70	68	86	42	44	0.29	-
19	96	72	94	71	69	65	86	41	35	0.27	-
20	95	73	96	72	70	60	86	29	49	0.26	-
21	102	71	96	68	62	68	52	38	35	0.30	-
22	100	72	95	69	61	56	54	26	40	0.33	-
23	101	75	91	68	73	66	86	39	93	0.39	-
24	97	71	95	70	73	69	95	44	64	0.31	-
25	98	71	98	70	67	61	69	27	32	0.27	-
26	100	69	94	67	61	62	62	31	41	0.30	-
27	102	71	93	66	66	61	67	33	56	0.34	-
28	99	71	90	66	70	71	81	49	83	0.37	-
29	96	72	89	68	73	61	86	35	95	0.32	-
30	95	70	91	67	68	58	90	29	75	0.33	-
31	97	68	92	65	60	63	60	36	59	0.34	-
Tot:										10.09	
Ave:									70		

* Two days evaporation.
\+ Two days wind movement.

BADIN

November 1939

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	72	90	65	71	69	84	48	88	0.33	-
2	94	72	93	70	76	70	89	55	84	0.29	-
3	92	70	90	69	73	69	78	50	71	0.28	-
4	94	69	92	67	69	61	86	39	59	0.27	-
5	94	67	91	66	68	64	90	40	46	0.26	-
6	92	68	90	65	58	56	59	29	47	0.29	-
7	93	67	90	62	59	52	66	28	29	0.27	-
8	91	66	88	60	57	54	62	32	57	0.26	-
9	90	63	86	58	57	44	74	23	50	0.24	-
10	91	60	88	58	59	49	74	26	44	0.22	-
11	90	61	84	57	59	48	74	27	47	0.22	-
12	89	59	86	59	54	49	60	29	33	0.20	-
13	87	63	86	61	53	53	60	34	51	0.23	-
14	88	64	86	62	64	56	85	36	54	0.24	-
15	88	63	86	64	66	57	90	38	39	0.25	-
16	87	62	82	58	62	52	69	32	47	0.23	-
17	86	59	81	56	51	59	62	51	46	0.22	-
18	81	57	76	52	48	51	65	39	48	0.24	-
19	83	56	78	50	42	44	50	28	35	0.21	-
20	83	56	76	54	41	39	46	23	49	0.24	-
21	84	56	76	53	33	37	33	23	52	0.25	-
22	80	54	77	50	38	33	47	21	34	0.20	-
23	82	54	77	52	37	37	43	24	68	0.25	-
24	83	53	77	51	35	36	42	25	64	0.24	-
25	82	52	76	50	30	29	59	17	52	0.24	-
26	82	51	74	48	28	28	32	18	57	0.23	-
27	78	50	70	48	26	26	31	17	58	0.22	-
28	76	48	69	48	27	28	33	19	50	0.23	-
29	74	50	68	47	20	32	26	23	37	0.22	-
30	75	53	68	48	35	36	42	25	64	0.22	-
Tot:										7.29	0.00
Ave:	86	60	82	57					52		

BADIN

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	52	70	48	40	42	52	27	32	0.18	-
2	83	54	78	52	40	41	48	26	73	0.27	-
3	85	55	77	52	41	48	49	33	71	0.27	-
4	86	58	78	54	49	56	58	40	31	0.20	-
5	85	58	76	51	43	53	44	41	18	0.21	-
6	82	56	78	51	41	49	46	34	60	0.24	-
7	81	53	72	51	40	40	48	27	48	0.22	-
8	79	50	71	45	35	43	42	31	54	0.24	-
9	79	49	72	46	38	43	47	32	70	0.25	-
10	75	48	70	44	32	45	40	32	45	0.21	-
11	80	48	75	46	42	36	58	26	72	0.26	-
12	78	47	77	48	37	36	54	26	42	0.22	-
13	76	44	73	42	17	30	22	21	40	0.21	-
14	83	50	76	45	35	41	45	31	50	0.19	-
15	74	46	70	42	29	28	38	21	118	0.24	-
16	73	42	70	43	34	28	52	19	40	0.22	-
17	72	43	69	44	34	39	65	28	20	0.15	-
18	82	44	75	53	41	44	61	35	39	0.24	-
19	80	45	74	52	35	43	45	32	45	0.23	-
20	81	44	74	50	38	32	55	23	50	0.24	-
21	78	44	72	50	37	43	54	32	50	0.24	-
22	76	43	71	48	36	48	58	42	37	0.23	-
23	79	46	75	53	41	40	66	27	87	0.26	-
24	78	48	75	52	38	42	60	27	77	0.22	-
25	83	48	75	51	41	43	61	29	69	0.23	-
26	82	49	74	52	42	47	67	35	50	0.22	-
27	81	49	74	54	38	40	55	26	51	0.24	-
28	79	48	76	51	37	24	54	15	50	0.24	-
29	78	49	76	48	41	18	61	12	57	0.23	-
30	82	49	75	50	42	40	67	27	44	0.24	-
31	83	48	78	51	40	43	56	29	48	0.22	-
Tot:										7.06	0.00
Ave:											

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Location Latitude 30°00', Longitude 73°15', in the canal rest house of Bahawalnagar.

Elevation 500 ± ft. msl.

Period of record The observatory initially installed by Ground Water Development Organisation of Irrigation Department and transferred to Surface Water Hydrology Project since February 1962. Old data available with Ground Water Development Organisation.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Pyrcheliometer.

Annual figures

Precipitation	6.07 inches
Evaporation (Pan)	92.17 inches
Absolute maximum air temperature	114 °F
Absolute minimum air temperature	33 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures, are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record. (-)indicates no precipitation.

BAHAWALNAGAR

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	42	65	45	40	42	77	50		0.09	-
2	66	39	66	43	35	38	82	44		0.12	-
3	65	33	65	37	39	38	84	44		0.10	-
4	63	35	62	38	33	42	81	50		0.10	-
5	65	35	63	37	32	41	81	46		0.10	-
6			63	39	37	46	83	69		0.12	-
7			59	41	36	46	69	64		0.09	-
8	63	34	62	35	35	48	90	53		0.07	-
9			65	38	41	48	92	50		0.09	-
10	70	41	69	45	38	47	83	49		0.10	-
11	70	36	69	42	37	55	91	77		0.11	-
12			59	42	45	47	79	65		0.07	0.03
13	63	40	61	43	40	55	100	77		0.08	-
14	67	35	64	39	35	49	74	58		0.15	-
15	67	40	66	41	38	56	83	63		0.11	-
16	72	38	68	41	34	60	68	79		0.14	-
17	69	41	68	42	37	60	83	79		0.10	-
18	69	42	68	43	36	58	69	66		0.10	-
19	74	43	69	45	40	49	77	58		0.11	-
20	70	40	69	44	39	44	91	42		0.10	-
21			69	44	36	58	75	66		0.13	-
22	72	42	68	44	39	53	84	56		0.10	-
23	73	44	70	45	40	55	84	58		0.10	-
24	75	45	71	48	45	59	85	59		0.12	-
25	78	49	72	48	43	61	78	63		0.12	-
26			73	49	47	62	65	71		0.14	-
27	74	49	73	47	36	49	58	58		0.16	-
28	68	42	69	45	41	49	92	58		0.14	-
29	69	41	71	44	38	55	83	58		0.12	-
30	72	43	72	44	39		77			0.14	-
31			72	46	39	47	65	49		0.15	-
Tot:										3.47	0.03
Ave:			67	43							

BAHAWALNAGAR

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement. Miles	Evaporation in inches	Rain in inches
1	68	48	61	47	42	47	78	49			0.11	-
2	68	41	70	44	41	43	92	47			0.13	-
3	66	37	69	41	33	45	74	49			0.13	-
4	68	40	69	41	34	40	68	40			0.13	-
5	68	38	71	44	38	40	91	37			0.12	-
6	70	38	70	42	38	41	91	41			0.13	-
7	70	38	71	43	37	43	83	39			0.13	-
8	71	41			38	40	83	35			0.13	-
9	72	42	72	45	39	55	84	67			0.14	-
10	72	44	68	45	41	54	84	51			0.10	-
11	76	46	74	47	41	44	71	35			0.16	-
12	76	48	74	47	35	48	33	40			0.16	-
13	77	54	74	48	51	54	87	77			0.20	-
14	65	45	70	47	44	55	85	77			0.14	-
15	67	48	75	47	48	33	93	33			0.11	-
16	63	50	63	50	52	59	87	89			0.03	0.15
17	65	48	69	50	50	56	100	65			0.09	-
18	70	49	74	49	49	58	80	66			0.08	-
19	72	52	75	51	52	57	87	58	409		0.13	-
20	74	49	76	50	43	56	67	55	409		0.14	-
21	75	48	76	51	47	61	80	63	325		0.14	-
22	77	49	76	51	49	64	75	64	395		0.15	-
23	77	56	80	54	53	61	82	63	282		0.15	-
24	76	54	73	53	50	61	81	51	339		0.15	-
25	83	54	82	53	51	56	66	46	409		0.18	-
26	80	55	82	57	52		71		424		0.19	-
27									367			
28									452			
Tot:												
Ave:												

BAHAWALNAGAR

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	81	50	84	52	50	61	76	51	466		0.17*	-
2	82	52	85	55	53	60	76	48	438		0.18	-
3	83	54	82	57	55	57	77	34	452		0.18	-
4	88	55	87	58	57	63	88	53	424		0.20	-
5	85	56	85	59	58	73	78	59	438		0.20	-
6	91	64	89	60	53	56	53	32	395		0.21	-
7	92	58	90	60	59	52	88	32	424		0.25	-
8	88	59	90	60	61	68	89	55	424		0.24	-
9	88	58	90	62	58	69	83	50	409		0.22	-
10	94	60	93	62	58	73	70	54	480		0.22	-
11	94	58	92	62	58	73	66	48	438		0.24	-
12	99	60	96	63	59	63	53	36	438		0.27	-
13	98	60	95	63	60	80	65	57	424		0.24	-
14	100	60	93	62	59	79	66	54	452		0.26	-
15	100	60	95	63	60	75	67	49	452		0.23	-
16	99	61	95	64	60	75	60	53	409		0.24	-
17	97	65	93	67	52	76	71	63	353		0.22	-
18	94	71	89	66	55	62	49	58	353		0.21	-
19	81	65	86	62	59	64	79	59	395		0.29	0.20
20	82	62	86	61	57	50	78	33	395		0.24	-
21	86	60	89	62	59	61	74	47	424		0.27	-
22	88	66	92	64	58	61	59	42	353		0.28	-
23	92	64	88	62	60	63	79	47	466		0.27	-
24	88	63	89	63	61	61	73	40			0.29	-
25	91	67	92	66	61	59	71	40			0.30	-
26	91	58	92	59	61	56	89	44	466		0.35	0.51
27	82	56	89	60	59	53	79	38	480		0.30	-
28	83	55	89	59	59	53	66	33	494		0.35	-
29	88	58	90	60	56	73	55	34	480		0.28	-
30	90	60	90	61	57	73	55	57	480		0.28	-
31	92	62	91	62	55	61	49	56	480		0.29	-
Tot:											7.58	0.71
Ave:	90	60	90	61								

* Estimated evaporation.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	62	93	65	61	70	67	41	438		0.29	-
2	96	66	95	66	61	67	57	38	466		0.27	-
3	100	61	97	64	59	73	57	52	508		0.28	-
4	97	69	96	63	56	54	52	29	424		0.30	-
5	94	62	92	62	57	50	65	28	466		0.29	-
6	90	64	90	63	59	64	62	40	508		0.29	-
7	94	64	93	65	57	70	55	44	508		0.26	-
8	99	68	97	64	56	69	44	42	480		0.33	-
9	100	71	96	68	62	84	58	63	424		0.32	-
10	104	70	98	67	62	81	58	55	452		0.30	-
11	102	73	97	69	64	67	59	49	452		0.34	-
12	92	70	91	68	68	68	73	66	424		0.36	0.11
13	83	62	84	62	63	62	79	41	508		0.28	-
14	91	66	92	66	68	65	73	38	466		0.30	-
15	96	74	94	70	62	65	50	44	395		0.32	-
16	92	74	93	71	63	57	61	42	466		0.30	-
17	84	65	88	64	60	63	70	43	522		0.35	-
18	90	62	92	62	61	63	67	65	480		0.30	-
19	96	68	96	63	57	49	55	26	367		0.33	-
20	92	65	82	64	63	52	80	42	438		0.29	0.14
21	82	58	85	58	53	66	61	56	480		0.20	-
22	87	58	91	62	57	65	57	49	508		0.28	-
23	90	59	94	62	55	67	49	45	494		0.31	-
24	94	62	95	63	53	61	40	33	466		0.33	-
25	97	64	95	61	48	69	33	40	466		0.36	-
26	99	65	94	66	51	65	30	38	494		0.38	-
27	98	63	93	66	58	56	45	23	480		0.35	-
28	102	76	97	68	55	63	39	43	268		0.36	-
29	90	68	88	64	57	61	58	54	409		0.24	-
30	85	57	87	58	59	52	66	29	522		0.25	-
Tot:											9.16	0.25
Ave:	94	65	92	65								

BAHAWALNAGAR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	89	63	90	60	53	53	45	40	438		0.30	-
2	86	56	88	57	57	53	65	33	551		0.35	-
3	90	66	93	62	57	59	53	37	409		0.34	-
4	92	67	89	66	67	67	66	41	508		0.27	-
5	96	72	97	70	64	75	55	46	466		0.32	-
6	102	74	100	72	62	77	45	47	494		0.35	-
7	103	74	102	73	63	78	43	44	452		0.37	-
8	106	73	104	72	66	78	47	41	466		0.40	-
9	109	74	108	73	68	76	50	38	452		0.44	-
10	110	71	104	71	68	73	69	59	184		0.50	0.42
11	90	75	84	71	68	73	63	57	325		0.11	0.01
12	92	71			67	61	85	51			0.15	0.06
13	96	67	96	65	66	71	77	74			0.23	0.17
14	89	65	96	66	66	69	80	60			0.26	-
15	86	68	94	68	60	68	60	55			0.29	-
16	89	65	89	66	62	67	64	47			0.31	-
17	92	67	95	66	65	65	56	35			0.34	-
18	98	72	98	71	67	62	60	29			0.39	-
19	101	74	100	72	62	61	45	36	522		0.50	-
20	93	66	94	66	63	66	64	39	551		0.36	-
21	97	70	97	70	69	68	60	33	522		0.40	-
22	104	76	102	73	67	74	52	37	494		0.39	-
23	106	76	103	74	57	72	34	38	494		0.36	-
24	104	73	101	73	59	74	34	37	480		0.43	-
25	107	73	103	73	65	81	42	45	409		0.44	-
26	109	72	105	74	68	70	45	31	522		0.45	-
27	112	75	106	72	67	78	43	38	522		0.46	-
28	113	77	106	73	69	83	44	44	480		0.48	-
29	113	78	107	75	72	84	49	43	466		0.49	-
30	114	80	107	76	71	83	45	44	480		0.46	-
31	113	86	106	79	75	82	55	42	494		0.48	-
Total											11.42	0.66
Ave:	100	72										

BAHAWALNAGAR

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	112	84	106	80	81	79	70	44	494		0.49	-
2	108	82	99	78	74	80	52	47	424		0.47	-
3	108	84	101	80	76	76	58	41	424		0.47	-
4	106	84	100	80	68	75	45	40	409		0.50	-
5	107	78	102	77	71	75	54	40	438		0.46	-
6	107	78	102	77	69	74	46	35	452		0.44	-
7	110	75	102	74	63	74	39	33	424		0.44	-
8	111	78	95	75	73	65	50	24	438		0.50	-
9	113	82	98	85	71	68	49	27	409		0.55	-
10	111	87	100	74	73	70	52	31	466		0.60	-
11	109	86	99	77	73	71	52	32	466		0.45	-
12	108	86	101	77	67	71	41	35	424		0.49	-
13	106	83	100	75	71	68	49	29			0.50	-
14	108	86	101	77	67	69	41	32	466		0.51	-
15	107	83	99	76	73	65	52	28	494		0.48	-
16	108	84	98	76	76	69	58	31	381		0.52	-
17	108	85	100	77	76	75	58	38	311		0.49	-
18	108	88	101	78	77	74	58	35	466		0.48	-
19	109	86	100	79	74	74	46	35	367		0.51	-
20	110	86	100	79	74	71	46	30	494		0.53	-
21	112	84	102	81	76	66	60	25	311		0.55	-
22	111	87	98	81	76	84	61	54	353		0.52	-
23	106	88	98	78	77	78	58	49			0.40	-
24	102	86	94	80	73	78	52	42			0.39	-
25	108	88	101	82	73	79	48	39			0.49	-
26	110	86	103	83	77	74	54	33			0.52	-
27	112	85	104	78	74	86	52	45			0.52	-
28	113	84	106	76	68	73	55	39			0.56	-
29	105	73	93	73	73	81	59	57			0.52	0.66
30	100	80	101	76	77	74	67	42			0.23	-
Tot:											14.58	0.66
Ave:	108	84	100	78								

BAHAWALNAGAR

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	83	99	77	75	79	65	54			0.45	-
2	100	80	99	77	78	80	87	48			0.32	-
3	105	82	105	80	81	78	68	42			0.39	-
4	108	84	106	82	80	49	65	39	452		0.47	-
5	110	88	107	82	75	74	55	33	438		0.46	-
6	110	88	103	82	78	79	64	39	466		0.48	-
7	110	88	103	81	75	78	60	42	452		0.46	-
8	108	88	103	81	72	78	54	42	409		0.50	-
9	107	86	101	80	76	83	63	56	395		0.55	-
10	103	89	99	80	75	82	60	51	367		0.44	-
11	104	89	100	81	78	79	64	46	395		0.40	-
12	106	87	105	80	81	80	70	47	409		0.47	-
13	108	88	107	84	77	76	58	41	395		0.46	-
14	106	86	103	78	79	77	67	45	409		0.45	-
15	103	83	105	76	79	79	80	56	367		0.39	0.37
16	98	80	105	77	81	76	83	45	424		0.31	-
17	103	85	106	81	79	74	70	55	381		0.33	-
18	104	83	105	78	79	77	70	45	325		0.39	-
19	104	86			79	78	64	46	296		0.40	-
20	104	88	105	83	79	80	64	50	282		0.40	-
21	104	87	104	82	79	73	64	70	325		0.40	-
22	102	86	102	80	80	79	70	52	339		0.36	0.06
23	101	87	103	81	80	77	65	72	311		0.38	-
24	102	82	104	79	91	79	84	64	282		0.31	0.01
25	95	77	98	88	76	80	91	80	141		0.28	0.06
26	88	78	89	79	81	79	87	67	409		0.18	0.03
27	93	84	101	80	80	80	76	57	353		0.28	-
28	100	86	105	80	75	85	69	66	339		0.33	-
29	99	82	102	80	73	76	71	58	353		0.33	-
30	94	82	100	79	79	79	87	52	367		0.30	-
31	102	82	104	80	80	79	76	52	381		0.31	-
Tot:											11.98	0.53
Ave:	103	85										

BAHAWALNAGAR

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	86	105	81	79	81	64	49	395		0.30	-
2	105	86	108	82	77	77	63	47	367		0.31	-
3	103	84	104	81	78	79	67	48	325		0.29	-
4	104	84	104	81	79	80	67	48	311		0.27	-
5	105	87	107	82	80	82	65	53	296		0.29	-
6	104	87	106	81	73	77	59	54	254		0.31	-
7	98	80	97	79	76	81	79	65	325		0.29	0.15
8	97	81	101	80	79	87	70	66	381		0.27	-
9	103	85	106	81	79	86	73	61	395		0.32	-
10	103	88	107	83	78	82	64	51	409		0.35	-
11	106	88	104	84	77	80	53	48	339		0.42	-
12	104	83	106	78	77	82	72	88	254		0.43	-
13	87	78	85	79	78	78	83	67	367		0.11	0.67
14	92	81	94	81	78	79	83	67	282		0.24	-
15	93	82	95	80	81	79	91	70	438		0.23	-
16	92	82	95	81	78	81	83	68	452		0.25	-
17	95	82	103	80	81	81	84	66	240		0.28	-
18	97	82	100	77	73	79	71	64	325		0.31	0.07
19	94	82	96	76	72	75	68	55	353		0.30	-
20	95	82	100	77	73	78	65	59	325		0.32	-
21	97	83	100	77	72	79	62	59	311		0.30	-
22	98	85	100	77	71	76	61	53	311		0.23	-
23	98	80	102	79	79	79	80	52	339		0.26	-
24	101	80	104	79	79	81	72	57	353		0.28	-
25	101	81	105	80	78	79	69	52	395		0.29	-
26	101	80	104	80	75	78	63	49	424		0.30	-
27	102	79	103	79	77	77	72	47	424		0.31	-
28	103	82	102	78	74	75	68	43	409		0.37	-
29	103	81	102	79	72	79	59	50			0.30	-
30	103	81	103	81	73	77	59	57			0.33	-
31	103	82	104	79	75	87	69	64	438		0.30	-
Total											9.16	0.89
Avg.	100	83	102	80								

BAHAWALNAGAR

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	78	102	79	75	79	72	50	452		0.30	-
2	103	78	103	78	73	82	62	55	466		0.29	-
3	103	78	102	78	74	81	68	55	466		0.27	-
4	102	79	102	78	77	80	69	54	452		0.29	-
5	101	78	102	79	74	81	65	55	452		0.31	-
6	101	78	101	79	74	83	68	58	466		0.30	-
7	102	79	102	76	78	79	73	80	395		0.30	-
8	99	75	98	72	76	76	83	60	367		0.30	-
9	94	74	100	73	75	74	79	55	353		0.29	-
10	94	75	98	72	74	75	78	65	381		0.27	-
11	92	75	98	73	73	75	88	75	367		0.30	-
12	92	75	98	73	77	75	95	98	311		0.20	-
13	90	75	94	75	79	77	91	69	325		0.19	* 2.14
14	91	78	99	76	79	81	91	68	339		0.18	-
15	94	78	102	76	77	81	83	70	438		0.25	-
16	93	76	99	73	78	88	87	59	424		0.29	-
17	90	75	99	76	77	80	87	59	452		0.20	-
18	95	74	100	75	73	78	75	68	452		0.26	-
19	98	69	100	68	70	81	67	68	480		0.27	-
20	95	74	97	72	74	80	78	65	466		0.28	-
21	96	75	99	74	72	78	71	64	466		0.28	-
22	94	74	99	75	72	80	68	65	409		0.24	-
23	96	75	100	74	70	76	67	53	381		0.23	-
24	98	77	98	72	71	85	67	66	367		0.27	-
25	100	75	98	74	74	77	71	54	381		0.29	-
26	98	74	100	72	69	77	78	56	353		0.24	-
27	96	74	95	73	71	78	74	59	353		0.21	-
28	97	69	96	71	75	83	91	68	381		0.22	-
29	97	68	95	71	62	80	58	63	395		0.26	-
30	97	70	92	68	77	74	91	52	381		0.24	-
Total											7.82	2.14
Ave:	97	75	99	74								

* Estimated evaporation.

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	71	95	73	71	80	78	65	311		0.26	-
2	96	72	96	72	69	81	73	70	296		0.25	-
3	97	69	94	68	65	82	65	71	296		0.24	-
4	94	70	95	68	69	80	77	65	311		0.23	-
5	95	71			68	80	66	70	325		0.19	-
6	93	69	94	68	65	82	65	71	311		0.22	-
7	95	68	95	70	69	81	77	70	339		0.24	-
8	94	67	95	69	69	83	77	74	325		0.23	-
9	95	68	95	69	74	79	87	64	339		0.25	-
10	92	69	96	67	65	82	65	68	353		0.25	-
11	92	69	94	68	65	82	62	64	339		0.24	-
12	98	66	92	68	68	78	85	67	325		0.27	-
13	93	68	93	69	68	77	81	67	353		0.26	-
14	93	67	93	68	66	69	77	50	367		0.25	-
15	93	66	93	68	68	65	81	53	325		0.26	-
16	86	68	85	65	61	69	63	64	353		0.20	-
17	86	66	89	67	66	66	80	51	353		0.17	-
18	88	66	90	67	63	73	68	62	339		0.18	-
19	91	66	91	67	63	76	75	63	353		0.19	-
20	93	65	92	66	62	77	69	72	353		0.19	-
21	92	64	91	66	61	78	67	67	339		0.17	-
22	95	66	91	65	60	81	60	70	353		0.17	-
23	97	62	93	63	60	77	84	67	339		0.24	-
24	92	63	90	64	66	76	80	72	353		0.17	-
25	91	65	90	66	67	76	77	66	339		0.16	-
26	94	65	91	65	61	75	63	72	353		0.18	-
27	97	62	90	63	58	77	59	69	325		0.21	-
28	98	67	90	63	54	72	57	69	282		0.22	-
29	96	66	87	64	66	71	80	64	296		0.20	-
30	90	64	88	66	65	73	89	68	311		0.16	-
31	88	64	88	65	63	77	72	69	325		0.16	-
Tot:											6.61	0.00
Ave:	93	67										

BAHAWALNAGAR

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	62	88	64	64	77	72	69	296		0.16	-
2	94	62	87	62	61	77	75	69	296		0.18	-
3	93	62	87	64	69	77	85	76	268		0.18	-
4	90	62	89	64	62	77	75	72	254		0.16	-
5	93	62	89	63	59	77	66	69	268		0.17	-
6	93	62	88	63	63	72	75	68	268		0.17	-
7	88	60	87	63	63	77	89	72	282		0.12	-
8	90	60	88	62	61	79	79	80	296		0.15	-
9									296			-
10									254			-
11									212			-
12									240			-
13									196			-
14									226			-
15									226			-
16									240			-
17									282			-
18									268			-
19									254			-
20									254			-
21									268			-
22									282			-
23	75	41	72	45	44	57	85	58	296		0.12	-
24	77	41	73	45	44	60	92	60	268		0.12	-
25	79	40	72	45	40	65	77	80	254		0.12	-
26	77	43	72	45	39	59	65	53	282		0.11	-
27	79	42	73	46	40	56	71	52	254		0.12	-
28	79	40	72	44	36	54	69	51	268		0.11	-
29	78	42	71	45	39	54	77	54	254		0.11	-
30	76	43	71	46	45	60	92	76	184		0.10	-
Tot:												0.00
Ave:												

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	40	71	43	44	57	96	62	268		0.11	-
2	75	40	70	44	42	56	92	61	240		0.11	-
3	74	41	70	44	39	57	84	58	212		0.11	-
4	78	44	70	44	40	60	77	63	198		0.09	-
5	80	46	70	46	39	61	65	63	212		0.11	-
6	84	44	72	47	45	60	92	63	212		0.11	-
7	82	47	72	49	43	61	78	67	198		0.10	-
8	80	46	72	48	43	60	73	60	240		0.08	-
9	83	50	74	50	46	61	74	67	226		0.10	-
10	80	50	74	50	49	59	86	62	226		0.09	-
11									240			-
12									226			-
13	78	44	72	47	44	60	85	70	240		0.25*	-
14	76	41	71	45	41	59	84	74	226		0.09	-
15	76	40	71	45	39	58	84	66	212		0.10	-
16	76	40	70	44	40	57	84	58	226		0.09	-
17	76	40	70	45	42	56	84	61	240		0.09	-
18	73	40	69	44	43	59	88	66	212		0.10	-
19	76	42	69	45	41	61	92	67	226		0.09	-
20	78	42	70	45	41	61	84	67	226		0.09	-
21	78	42	70	45	43	60	92	70	212		0.09	-
22	78	42	69	46	42	59	92	66	198		0.08	-
23	75	43	68	45	43	60	92	70	198		0.07	-
24	74	40	68	45	43	59	92	74	198		0.06	-
25	73	41	68	45	42	59	92	70	184		0.07	-
26	75	41	68	44	38	59	83	74	212		0.06	-
27	74	41	68	44	39	59	84	70	212		0.07	-
28	73	43	68	45	43	58	92	70	212		0.07	-
29	73	44	68	45	41	59	71	74	198		0.10	-
30	72	46	68	46	45	55	92	69	184		0.09	-
31	73	42	68	46	42	59	92	66	198		0.09	-
Tot:											2.76	0.00
Ave:												

* 3 days observation.

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Location	Latitude 29°24', Longitude 71°38', in the premises of Grid Station at Bahawalpur.
Elevation	
Period of record	Observatory was installed by Surface Water Hydrology Project on 23.4.1969. Pakistan Meteorological Department also maintains an observatory at Bahawalpur.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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BAHAWALPUR

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23						82		16			
24	94	65			34	46	19	17			-
25	100	66			46	41	29	14			-
26	102	66			54	50	38	20			-
27	100	72			54	54	32	21			-
28	104	78			55	63	37	41			-
29	92	68			59	70	62	55			-
30	90	64			50	49	39	26			-
Tot:											
Ave:											

BAHAWALPUR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	66			57	49	55	32			-
2	90	68			57	56	55	31			-
3	94	74			57	56	47	28			-
4	96	70			60	62	54	31			-
5	98	78			64	64	55	29			-
6					62	64	34	26			-
7	108	78			63	61	46	22			-
8	110	78			61	50	35	15			-
9	110	80			64	66	36	25			-
10	110	74			68	75	77	63			0.50
11	90	74			66	70	69	51			-
12	96	76			67	49	54	26			-
13	92	68			62	68	71	66			0.24
14	81	66			59	57	66	40			-
15	86	68			59	50	59	25			-
16	92	68			53	51	38	24			-
17	95	65			43	49	25	17			-
18	103	76			55	51	39	18			-
19	105	74			56	44	40	18			-
20	98	70			58	39	45	14			-
21	98	72			59	48	47	14			-
22	108	80			63	52	41	17			-
23	106	78			61	53	40	18			-
24	106	76			57	52	33	16			-
25	110	82			63	54	39	16			-
26	110	78			63	50	38	14			-
27	111	80			51	54	26	15			-
28	114	80			56	74	31	14			-
29	113	78			69	67	48	23			-
30	116	86			61	88	35	28			-
31	114	88			79	69	70	28			-
Tot:											0.74
Ave:											

BAHAWALPUR

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	112	86			73	64	70	26			-
2	108	84			67	79	45	37			-
3	110	86			77	75	61	38			-
4	108	84			75	76	60	37			-
5	109	81			74	78	57	42			-
6	108	80			78	77	35	35			-
7	113	80			80	80	40	40			-
8	112	84			79	80	67	40			-
9	112	82			82	83	71	44			-
10	111	88			83	82	81	44			-
11	110	86			79	65	73	27			-
12	107	82			75	62	60	23			-
13	109	86			76	68	60	29			-
14	108	86			75	65	60	26			-
15	108	87			76	71	63	34			-
16	108	89			76	69	60	30			-
17	109	88			77	74	60	35			-
18	109	88			81	77	70	37			-
19	114	89			79	78	64	36			-
20	112	90			77	76	61	33			-
21	114	90			79	75	67	32			-
22											
23											
24											
25											
26											
27											
28											
29											
30											
Tot:											
Ave:											

BAHAWALPUR

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6	112	86			76	75	66	34			-
7	112	84			77	78	69	39			-
8	109	86			75	75	65	35			-
9	110	84			77	77	72	42			-
10	106	86			75	79	63	44			-
11	106	87			76	76	63	37			-
12	109	88			77	79	61	41			-
13	110	86			77	77	58	42			-
14	108	90			75	72	57	34			-
15	109	82			77	81	69	53			-
16	102	86			82	75	77	38			-
17	107	90			79	78	61	42			-
18	108	84			78	77	66	42			-
19	106	86			81	75	70	38			-
20	108	87			77	79	63	46			-
21	106	90			79	75	59	38			-
22	107	90			82	78	68	46			-
23	104	90			79	78	59	42			-
24	108	84			81	71	74	41			-
25	100	78			80	84	87	77			1.22
26	94	82			81	78	80	49			-
27											
28											
29											
30											
31											
Tot:											
Ave:											

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3	105	86			75	72	65	37			-
4	104	86			76	72	60	35			-
5	106	88			76	74	60	39			-
6	106	83			74	73	68	42			-
7	100	84			73	76	68	58			-
8	94	84			76	75	66	41			-
9	103	84			76	74	75	39			-
10	104	86			79	77	73	42			-
11	106	86			76	77	66	45			-
12	104	84			75	76	65	47			-
13	100	84			78	79	79	61			-
14	96	84			79	79	76	72			-
15	100	83			81	81	87	57			-
16	100	84			83	81	92	57			-
17	100	85			82	82	88	60			-
18	100	85			82	83	88	60			-
19	99	78			71	85	61	72			-
20	100	81			69	82	58	65			-
21	99	76			78	89	79	92			-
22	98	76			75	87	75	84			-
23	96	75			69	91	58	89			-
24	95	82			81	85	91	88			-
25	98	84			69	77	58	58			-
26	98	86			70	91	55	85			-
27	100	84			68	90	50	79			-
28	100	82			69	87	50	70			-
29	101	84			67	91	49	79			-
30	102	80			64	92	48	79			-
31	101	84			68	92	52	79			-
Tot:											
Ave:											

BAHAWALPUR

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	84			64	89	48	67			-
2	102	82			72	86	82	61			-
3	102	76			71	91	61	68			-
4					67	79	49	76			-
5	102	79			75	92	69	73			-
6	102	80			70	96	55	86			-
7	101	78			68	86	55	66			-
8	100	79			69	87	55	66			-
9	101	78			70	88	55	69			-
10	102	82			70	89	53	70			-
11	102	78			68	88	52	67			-
12	101	82			68	87	55	66			-
13	100	80			68	89	55	70			-
14	101	80			70	90	55	75			-
15	102	82			69	90	55	75			-
16	101	74			72	75	65	57			-
17	94	74			77	60	79	26			-
[illegible]	[illegible]	71			68	67	55	34			-
19	102	76			65	62	56	28			-
20	103	72			74	76	65	53			-
21	98	76			77	78	72	56			-
22	97	78			73	73	62	40			-
23	103	78			70	70	26	36			-
24	104	71			72	73	71	44			-
25	100	76			74	71	75	49			-
26	94	74			74	80	83	65			-
27	96	74			72	76	71	51			-
28	98	72			72	70	65	43			-
29	99	70			64	68	59	36			-
30	100	72			61	70	51	43			-
Tot:											0.00
Ave:											

BAHAWALPUR

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	72			71	71	78	51			-
2	96	74			68	67	66	43			-
3	94	73			68	70	58	48			-
4	96	70			70	69	74	42			-
5	98	72			71	67	70	40			-
6	97	69			63	72	58	47			-
7	98	72			63	72	53	43			-
8	99	70			60	75	46	46			-
9	100	72			57	63	40	30			-
10	102	66			62	69	58	42			-
11	98	66			59	53	46	24			-
12	99	64			60	67	63	47			-
13	92	68			69	66	77	39			-
14	98	66			64	64	61	40			-
15	95	67			66	59	69	33			-
16	94	68			63	68	68	63			-
17	84	64			66	41	77	44			-
18	92	68			61	61	60	33			-
19	96	67			60	60	60	31			-
20	98	66			59	57	66	30			-
21	94	64			57	49	58	21			-
22	98	63			56	44	61	16			-
23	99	60			63	51	80	24			-
24	94	62			65	28	89	11			-
25	92	62			63	59	66	31			-
26	95	64			55	54	51	26			-
27	96	64			55	58	55	29			-
28	97	66			50	59	43	31			-
29	96	67			66	58	77	35			-
30	90	64			60	61	67	40			-
31	90	60			58	56	59	29			-
Tot:											0.00
Ave:	96	67									

BAHAWALPUR

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	64			59	63	62	38			-
2	95	62			59	41	57	44			-
3	94	64			57	63	53	39			-
4	93	62			60	59	60	31			-
5	96	60			53	55	47	28			-
6	96	62			57	56	62	36			-
7	88	58			56	58	61	35			-
8	91	58			55	87	58	92			-
9	93	65			57	59	62	37			-
10	90	62			59	48	62	27			-
11	88	63			55	54	61	35			-
12	88	62			55	57	64	42			-
13	86	64			57	60	65	70			-
14	72	52			53	57	76	49			0.08
15					52	54	63	41			-
16	84	58			45	29	49	16			-
17	82	52			43	46	58	33			-
18	82	52			42	51	50	35			-
19	84	52			38	44	41	27			-
20	82	56			19	23	20	16			-
21	76	50			41	1	61	6			-
22	76	38			22	21	32	15			-
23	76	38			32	18	43	12			-
24	78	38			33	38	47	28			-
25	78	38			24	21	27	15			-
26	80	42			26	11	38	8			-
27	80	42			19	11	28	9			-
28	78	40			27	41	40	38			-
29	78	40			31	41	60	38			-
30	77	44			36	33	53	31			-
Tot:											0.08
Ave:											

BAHAWALPUR

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	42			29	23	41	18			-
2	74	40			32	28	61	21			-
3	77	41			31	41	46	31			-
4	78	43			26	32	31	22			-
5	78	49			33	18	47	13			-
6	78	43			34	29	68	17			-
7	81	44			34	41	41	25			-
8	78	50			43	52	78	53			-
9	82	48			38	41	44	31			-
10	80	46			45	52	55	53			-
11	80	46			41	26	53	18			-
12	78	42			35	14	42	11			-
13	80	45			43	1	63	6			-
14	74	41			33	1	74	6			-
15	74	40			32	30	55	23			-
16	72	44			27	39	36	32			-
17	76	43			11	10	17	9			-
18	74	44			20	37	26	29			-
19	74	40			38	36	44	28			-
20	76	42			19	39	22	32			-
21	74	44			23	42	24	36			-
22	72	42			21	37	21	29			-
23	72	40			35	36	36	28			-
24	74	42			23	39	21	32			-
25	73	40			3	39	10	32			-
26	74	41				34		26			-
27	72	42			-31	40	2	35			-
28	73	42			-10	21	4	16			-
29	72	40			-38	35	1	30			-
30	72	42			13	37	15	31			-
31	72	42			17	41	22	38			-
Tot:											0.00
Ave:	77	43									

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BALAKOT - 1969

Location Latitude 34°33', Longitude 73°21', on right bank of Kunhar River nearly one mile downstream of Balakot Town.

Elevation 3,200 ± ft. msl.

Period of record July 1959 to July 1961, the observatory was located at Garhi Habib Ullah discharge site, and in August 1961, shifted near P.W.D. Rest House Balakot. As the exposure was not satisfactory at this location, the observatory was shifted one mile downstream of Balakot Town on 10th October 1965. Record for the period, available with Surface Water Hydrology Project, WAPDA.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	61.57 inches
Evaporation (Pan)	126.93 inches

Absolute maximum air temperature incomplete.
Absolute minimum air temperature incomplete.

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record.(-)indicates no precipitation.

BALAKOT

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	49	41	41	38	21	25	44	43		0.10	0.10
2					26	33	79	57		0.09	-
3					16	22	33	35		0.11	-
4	55	36			28	21	73	37		0.12	-
5					25	27	63	49		0.09	-
6	51	35			28	25	73	48		0.10	-
7					33	31	69	52		0.09	-
8					31	23	90	38		0.11	-
9					36	33	83	53		0.08	0.08
10					16	20	33	30		0.09	-
11					25	24	63	39		0.10	-
12					25	27	63	44		0.12	-
13					36	20	91	33		0.09	0.19
14					38	33	89	49		0.10	0.20
15					32	34	81	50		0.09	-
16					28	23	89	38		0.10	-
17					33	24	90	39		0.11	-
18					36	29	91	47		0.09	-
19					31	31	90	52		0.11	-
20					28	25	89	43		0.09	-
21					31	30	81	56		0.09	-
22					38	47	66	70		0.10	-
23					33	30	90	51		0.11	-
24					32	32	42	39		0.09	-
25					42	42	85	63		0.11	-
26	55	46			42	48	85	81		0.08 *	0.79
27	46	36			41	45	93	67		0.09	1.15
28	58	39			42	47	85	70		0.10	-
29	59	44			12	41	27	73		0.08	-
30					30	31	90	52		0.09	-
31					32	42	62	59		0.10	-
Total-										3.02	2.51

BALAKOT

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					31	24	90	39		0.08	1.72
2					29	33	89	53		0.10	0.96
3					27	43	80	68		0.09	-
4					32	39	81	57		0.10	-
5					29	42	80	73		0.11	-
6					22	34	45	40		0.10	-
7					27	47	80	86		0.11	-
8					30	39	80	53		0.09	-
9					33	32	90	62		0.10	-
10					35	37	76	52		0.09	-
11					37	41	52	48		0.11	-
12					40	42	92	79		0.10	0.05
13					36	36	83	64		0.08	1.49
14					39	34	84	58		0.09	0.53
15					39	38	91	71		0.08	-
16					38	39	77	62		0.10	-
17					39	34	84	46		0.09	0.44
18					36	31	91	52		0.06	0.64
19					27	38	49	53		0.09	-
20					7	34	19	46		0.10	-
21					36	43	76	74		0.11	-
22					39	43	84	68		0.12	-
23					43	44	79	61		0.11	-
24	58	44			40	38	84	66		0.08	0.52
25					36	37	83	65		0.09	0.65
26					42	44	79	69		0.09	0.09
27	58	46			44	49	92	76		0.11	0.74
28	58	46			29	51	43	68		0.13	0.05
Tot:										2.71	7.88
Ave:											

BALAKOT

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 A.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					37	59	71	84	64	0.14	-
2	70	45			44	55	85	69	20	0.15	-
3					46	58	57	74	48	0.14	-
4					42	39	85	50	85	0.16	-
5					42		63		66	0.17	-
6	76	54			45	64	69	85	103	0.16	0.09
7	74	50			43	58	64	63	77	0.18	-
8					43	51	85	51	23	0.22	-
9	76	52			43	44	68	39	45	0.19	-
10					39	64	62	65	54	0.20	-
11	80	52			47	60	81	61	49	0.21	-
12	82	53			45	55	74	47	24	0.25	-
13					45	57	69	66	29	0.26	-
14					47	67	58	90	51	0.27	-
15	84	62			44	72	39	91	80	0.25	-
16					44	54	47	49	66	0.21	-
17	82	64			50	60	56	58	66	0.25	-
18	80	58			43	47	43	93	44	0.25	0.43
19					42	39	73	40	44	0.20	0.88
20					39	41	91	85	35	0.28	0.78
21					40	40	84	47	17	0.22	-
22					49	49	87	50	16	0.24	-
23	56	44			43	55	92	69	26	0.22	0.28
24					47	50	81	71	18	0.22	-
25					49	49	81	55	39	0.22	0.81
26	66	46			43	52	85	61	50	0.15	1.35
27					31	39	35	34	57	0.28	-
28	74	51			44	47	69	40	23	0.26	-
29	73	52			45	56	69	53	22	0.25	-
30	74	53			47	57	75	53	25	0.34	-
31					48	56	59	53	52	0.33	-
Tot:										6.87	4.62
Ave:									46		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					43	58	43	54	78	0.36	-
2	80	53			44	56	69	53	25	0.40	-
3					43	40	43	25	78	0.41	-
4	84	50			43	52	64	43	36	0.46	-
5					44	52	74	45	18	0.43	-
6					34	53	89	41	21	0.44	-
7					44	56	47	45	28	0.46	-
8	83	65			46	50	43	34	34	0.45	-
9					52	44	61	26	36	0.43	-
10					48	48	52	27	49	0.37	0.28
11					55	56	78	50	30	0.44	-
12					48	53	59	65	53	0.20	1.04
13	70	56			51	58	68	57	35	0.27	0.03
14	77	56			53	59	68	57	21	0.37	-
15	78	57			50	52	76	77	43	0.24	0.64
16					57	52	72	61	28	0.35	0.15
17	69	55			42	39	55	34	48	0.35	1.05
18	73	57			47	52	65	57	29	0.40	-
19					43	57	52	60	65	0.42	-
20					47	47	81	75	40	0.38	0.38
21					43	47	68	75	22	0.40 *	0.19
22	72	48			25	44	20	35	40	0.41	-
23	74	54			55	49	56	59	25	0.42	-
24	73	56			43	37	46	26	62	0.48	-
25	76	56			41	49	48	44	46	0.42	-
26					42	52	59	57	13	0.41	-
27					40	44	41	57	11	0.41	-
28	68	54			51	51	87	64	57	0.36	0.40
29	68	50			44	41	80	45	29	0.29	0.29
30					44	48	64	59	35	0.28	-
Tots										11.45	4.45
Ave:									38		

* Estimated evaporation

BALAKOT

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	48			45	42	75	36	18	0.31	-
2	73	50			45	49	61	44	15	0.38	-
3	75	57			49	53	63	52	17	0.41	-
4	74	62			47	56	48	53	19	0.42	-
5	80	58			66	49	90	32	21	0.44	-
6	82	69			44	50	37	31	34	0.48	-
7	86	72			41	52	29	35	39	0.49	-
8	89	64			53	57	48	38	62	0.49	0.12
9	86	66			54	58	62	54	22	0.45	0.07
10					57	56	74	53	40	0.44	0.44
11	75	62			53	56	58	44	45	0.36	-
12	84	60			51	45	60	47	23	0.44	0.14
13	78	56			52	55	77	83	40	0.30	1.30
14	64	54			53	55	88	88	23	0.43	0.56
15	64	54			47	42	70	31	29	0.38	0.18
16	77	54			51	47	64	40	17	0.36	-
17	77	54			53	53	68	39	27	0.41	-
18					43	59	41	64	59	0.41	-
19					54	59	83	49	33	0.45	-
20					51	61	57	50	18	0.48	-
21	86	64			50	56	45	37	24	0.50	-
22	86	66			53	57	48	44	48	0.51	0.10
23	83	62			55	50	62	31	14	0.48	-
24	90	65			50	51	45	29	31	0.50	-
25	92	69			48	49	39	25	28	0.54	-
26	92	72			48	42	39	23	33	0.55	-
27	96	64			51	46	48	21	21	0.58	-
28	92	66			51	49	42	25	23	0.60	-
29	93	70			56	53	45	27	27	0.61	-
30	96	78			55	53	40	25	35	0.63	-
31					45	57	-24	29	42	0.66	-
Tot:										14.49	2.91
Ave:									30		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	66			58	59	54	29	55	0.70	-
2	96	76			56	57	45	30	28	0.71	-
3					49	45	41	24	65	0.72	-
4	89	62			55	48	52	24	40	0.66	-
5	89	65			49	41	44	20	63	0.69	-
6	93	63			48	48	39	24	24	0.71	-
7	94	72			50	51	39	29	43	0.73	-
8	96	66			52	64	43	57	48	0.71	-
9					50	50	38	22	40	0.72	-
10	98	78			50	51	34	21	39	0.73	-
11	97	77			55	55	40	26	85	0.76	-
12	95	69			48	59	39	34	62	0.73	-
13	93	75			53	53	36	24	38	0.74	-
14	97	72			51	40	33	15	25	0.73	-
15	96	72			53	51	41	29	39	0.72	-
16	98	66			53	45	44	22	39	0.79	0.08
17	96	77			48	49	30	21	48	0.73	-
18	98	76			51	51	29	21	37	0.76	-
19	99	75			53	45	44	18	92	0.78	-
20	95	68			55	56	47	34	36	0.80	0.10
21	100	77			50	53	31	23	44	0.81	-
22	98	74			56	53	45	27	61	0.82	-
23	100	75			61	52	61	27	30	0.81	-
24	90	69			53	52	44	34	34	0.82	-
25	98	76			56	57	41	33	41	0.83	-
26	101	78			51	67	36	41	44	0.85	-
27	100	80			53	49	39	23	36	0.80	-
28	98	70			57	55	48	35	66	0.81	-
29	90	75			52	49	37	23	31	0.85	-
30	94	64			58	51	60	31	36	0.84	0.27
Tot:										22.86	0.45
Ave:									46		

BALAKOT

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	69			57	55	56	35	26	0.82	0.76
2					58	50	57	27	27	0.80	-
3	93	73			64	62	62	38	16	0.81	-
4					52	47	37	22	25	0.85	-
5	93	67			65	59	73	41	28	0.85	0.41
6					59	60	42	35	28	0.68	-
7	92	75			49	57	32	31	18	0.71	-
8					53	61	36	35	39	0.80	-
9	97	72			59	53	54	27	31	0.82	0.52
10					62	61	62	38	23	0.70	-
11					57	57	39	31	57	0.81	-
12	92	76			58	53	47	28	48	0.80	-
13	93	76			70	68	82	47	20	0.79	-
14	92	76			70		71		18	0.76	0.02
15	82	68			66	59	79	41	19	0.76	-
16					63	61	62	36	25	0.80	-
17					67	66	58	44	18	0.71	-
18					75	77	69	59	19	0.61	-
19	96	83			74	80	69	68	25	0.64	-
20	96	78			75	75	79	69	27	0.55	0.54
21	92	81			75	76	76	69	26	0.56	-
22					72	73	93	72	26	0.52	1.32
23					75	75	87	69	3	0.56	-
24	88	74			71	72	91	65	28	0.58	-
25					70	71	90	71	17	0.31	4.11
26					67	65	90	57	21	0.12	1.02
27					71	69	95	64	19	0.30	0.60
28	84	66			62	64	84	62	13	0.30	0.40
29	82	67			61	69	68	59	22	0.32	-
30	86	70			65	67	73	50	17	0.38	-
31	88	72			67	65	73	43	13	0.40	-
Tot:										19.40	9.70
Ave:									24		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	72			64	69	69	47	15	0.42	-
2	91	73			67	70	73	47	10	0.43	-
3	93	76			73	68	91	45	11	0.45	-
4	95	74			73	71	86	57	20	0.42	0.05
5	89	76			74	71	91	54	16	0.41	2.54
6	90	76			76	74	95	63	7	0.38	0.70
7	88	73			71	72	95	83	24	0.39	3.00
8	80	72			75	74	87	72	3	0.36	-
9	84	76			75	75	95	76	15	0.52	-
10	83	72			65	65	66	54	20	0.31*	8.72
11					70	73	90	91	3	0.30	0.60
12	82	73			72	74	91	72	5	0.33	-
13					69	69	90	86	10	0.35	-
14	84	70			69	72	95	86	9	0.32	0.28
15	78	70			70	72	90	83	11	0.33	0.27
16	80	70			67	73	85	72	6	0.36	-
17	84	72			70	74	90	72	15	0.35	1.15
18	84	73			72	73	91	72	13	0.37	0.12
19	84	70			67	67	90	73	17	0.30	0.50
20	84	68			64	69	85	86	19	0.33	0.33
21	81	64			63	72	80	68	14	0.32	-
22	84	65			63	59	85	49	16	0.43	0.88
23	83	66			62	73	84	45	7	0.38	-
24					63	65	69	57	10	0.37	-
25	85	71			61	67	61	58	14	0.38	-
26	86	70			64	67	76	58	13	0.36	0.12
27	86	66			61	67	72	55	9	0.35	-
28					60	61	80	46	6	0.38	-
29	87	66			62	66	68	55	5	0.41	-
30	86	67			61	68	61	61	5	0.44	-
31	90	70			57	57	56	39	5	0.38	-
Tot:										11.63	19.68
Ave:											

* Estimated evaporation.

BALAKOT

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	72			64	65	65	52	11	0.42	-
2	90	73			65	68	66	56	6	0.44	-
3	89	72			65	61	69	48	11	0.43	-
4	90	64			55	46	47	58	6	0.45	-
5	89	73			62	66	62	55	7	0.43	-
6	90	66			65	64	95	65	6	0.34	0.34
7					62	61	89	55	6	0.28	0.16
8					59	69	79	78	7	0.31	-
9	83	62			69	63	80	59	9	0.32	-
10	85	62			56	58	66	49	14	0.40	-
11	89	67			60	60	71	52	8	0.41	-
12	89	67			59	63	67	69	2	0.42	-
13	90	70			66	65	73	60	11	0.40	-
14	89	64			57	56	74	50	19	0.24	1.14
15	76	64			51	61	48	65	17	0.30	0.25
16	74	60			53	59	78	54	7	0.20	0.05
17					53	56	88	50	9	0.31	-
18					55	55	94	49	10	0.32	-
19					55	64	88	59	15	0.31	-
20					59	65	75	60	7	0.32	-
21	84	62			56	68	66	64	12	0.30	-
22	86	60			58	64	74	59	11	0.28	-
23	86	63			62	59	80	49	10	0.29	-
24	85	62			63	61	80	50	17	0.30	-
25					53	52	73	57	18	0.31	-
26	84	62			55	57	78	66	20	0.31	0.40
27	86	62			54	61	65	72	13	0.28	-
28	86	62			53	60	58	64	3	0.32	-
29	86	64			56	62	66	62		0.34	-
30	86	65			60	70	84	35		0.32	-
Tot:										10.19	2.34
Ave:											

BALAKOT

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M.	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					46	53	43	41		0.31	-
2	83	60			55	58	78	51	21	0.32	0.22
3	80	58			52	55	73	45	17	0.28	-
4	82	60			53	53	68	39	32	0.31	0.56
5	82	58			50	50	71	34	14	0.32	-
6					52	50	87	39	10	0.33	-
7	83	56			52	48	82	39	14	0.30	-
8	83	57			53	45	73	38	13	0.31	-
9	83	60			54	54	80	42	14	0.35	-
10					58	53	86	39	13	0.31	-
11	84	57			53	61	88	72	27	0.29	0.65
12					51	59	87	67	24	0.30	0.67
13					52	60	87	67		0.29	-
14					55	60	83	58	29 +	0.31	0.42
15	76	56			53	60	83	75	22	0.30	0.28
16	78	57			55	61	88	75	24	0.31	-
17					50	56	87	66	18	0.30	-
18	78	53			49	47	76	43	11	0.28	-
19	78	53			52	53	87	61	23	0.31	-
20	77	54			52	50	82	53	38	0.27	-
21	78	55			45	51	61	51	17	0.28	-
22	80	53			41	43	63	46	11	0.29	-
23					49	55	81	62	10	0.30	-
24	80	55			49	59	76	64	57	0.32	-
25					47	57	70	63	12	0.28	-
26	80	53			47	50	81	53	8	0.28	-
27	80	53			49	52	81	82	10	0.30	-
28	76	52			47	49	75	71	17	0.25	2.24
29	68	47			45	45	93	80	25	0.25	0.97
30					47	51	81	80	37	0.27	0.05
31	73	48			46	45	93	61	75	0.23	-
Tot:										9.15	6.06
Ave:											

\+ Two days wind movement.

BALAKOT

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1					44	49	85	67	6	0.28	-
2	77	50			44	47	74	65	8	0.27	-
3	76	51			39	47	57	62	13	0.28	-
4	76	51			46	48	75	63	14	0.30	-
5	73	52			46	45	75	57	11	0.28	-
6	72	54			52	52	82	73	30	0.27	-
7	73	51			47	46	65	54	8	0.26	-
8	72	53			39	41	53	45	9	0.27	-
9	74	56			49	49	67	55	2	0.25	-
10	73	54			47	46	65	54	6	0.27	-
11	67	51			46	47	80	62	5	0.28	-
12	72	51			42	43	68	46	23	0.26	0.88
13					42	51	63	68	22	0.25	-
14	70	54			43	52	74	77	7	0.28	-
15					39	44	84	63	15	0.29	-
16					34	45	58	53	5	0.28	-
17	64	44			33	34	63	37	7	0.29	-
18					38	44	91	64	3	0.30	-
19	59	40	52	43	30	47	56	75	20	0.25	-
20			51	42	41	41	73	67	23	0.25	0.25
21			45	40	41	39	85	53	32	0.27	-
22	67	42	66	41	37	18	84	19	11	0.22	-
23			62	40	32	37	81	65	8	0.24	-
24	68	37	62	39	32	38	57	61	10	0.23	-
25			62	38	32	34	81	63	19	0.24	-
26			62	38	32	44	81	15	8	0.26	-
27			64	40	27	27	65	33	0	0.27	-
28			66	37	29		73	63	5	0.28	-
29			62	38	28	24	73	39	1	0.27	-
30			60	37	29	25	73	43	1	0.24	-
Tot:										7.98	1.13
Ave:									11		

BALAKOT

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	64	37	58	39	32	28	91	45	11	0.25	-
2	66	36	59	37	31	16	81	21	6	0.26	-
3	69	36	59	38	30	25	74	43	4	0.23	-
4	72	38	61	38	33	27	75	44	3	0.24	-
5			59	40	44	33	73	57	15	0.25	-
6			62	40	30	29	66	36	19	0.23	-
7			63	41	34	24	82	36	11	0.26	-
8			61	40	36	44	83	85	7	0.27	-
9			60	38	30	31	66	52	4	0.25	-
10			58	37	25	38	52	61	2	0.24	-
11			58	40	34	34	82	54	7	0.23	-
12			60	40	31	32	81	45	7	0.23	-
13			58	37	30	37	74	52	8	0.24	-
14	68	34	58	31	31	41	81	54	9	0.24	-
15			58	37	33	38	69	66	7	0.22	-
16			55	40	33	31	82	37	7	0.23	-
17			55	38	29	25	73	34	3	0.23	-
18			58	37	32	31	81	41	6	0.21	-
19			55	38	30	29	66	34	2	0.20	-
20			58	40	30	27	80	33	6	0.21	-
21			57	37	29	27	80	33	5	0.24	-
22			51	36	25	23	63	27	5	0.23	-
23			54	34	25	28	71	42	7	0.24	-
24	51	34	56	36	27	16	72	27	3	0.25	-
25	68	34	55	36	29	17	80	30	6	0.23	-
26			54	35	25	20	71	33	4	0.22	-
27			55	36	29	25	80	43	1	0.23	-
28			56	36	27	10	72	21	3	0.21	-
29			49	36	31	27	61	44	9	0.20	-
30			49	35	29	20	73	33	2	0.21	-
31			59	43	34	37	75	71		0.20	-
Tot:										7.18	0.00
Ave:			57	38							

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Location	Latitude 30°36', Longitude 67°40', north of Bandat Jungle village.
Elevation	
Period of record	Established as a non-recording rain gauge station in 1964 by Surface Water Hydrology Project and converted into an observatory on 11.5.1969.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indication no precipitation.

BANDAT JUNGLE

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12	74	50			32	23	32	19		0.31	-
13	74	50	71	49	26		37		76	0.45	-
14					34	51	43	54	99	0.33	-
15			73	44	38	18	46	17	52	0.26	-
16	70	46				31		19	52	0.36	-
17	84	52	82	50					49	0.33	-
18						18		13	74	0.55	-
19					19		11	2	72	0.37	-
20	80	48			28		19	14	54	0.44	-
21	96	56	84	49	36	41	20	23	50	0.45	-
22	82	64			28	39	19	28	84	0.56	-
23	76	54			35	33	26	20	70	0.37	-
24					38	33	31	20	49	0.45	-
25			75	54	39	34	36	23	33	0.37	-
26	84	60	80	55	49	49	50	41	79	0.33	-
27	86	61	84	59	51	61	51	53	61	0.45	-
28	88	65	86	62	31	54	18	38	61	0.42	-
29	86	68	84	65	43	56	29	41	63	0.42	-
30	87	70	87	68	44	59	29	42	59	0.40	-
31	88	69	86	67	46	63	35	56	53	0.50	-
Tot:											
Ave:											

BANDAT JUNGLE

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	68	87	65	51	57	40	44	53	0.51	-
2	88	70	85	66	47	57	36	39	67	0.35	0.05
3	89	69	87	68	48	58	35	37	55	0.33	-
4	91	75			49	62	32	46	58	0.43	-
5	90	79			49	51	33	31	54	0.50	-
6					49	51	41	31	56	0.48	-
7					43	39	29	19	59	0.43	-
8					39	43	34	27	63	0.40	-
9	84	62			49	49	50	41	60	0.55	-
10	82	58			48	61	49	53	100	0.54	-
11	84	64			51	61	51	53	28	0.32	-
12	86	68			44	49	35	35	51	0.45	-
13	88	66			51	53	48	39	75	0.60	-
14	88	66			55	61	45	48	89	0.60	-
15	86	64			51	57	48	46	72	0.53	-
16	84	62			48	45	47	32	61	0.51	-
17	90	66			56	59	50	42	83	0.52	-
18	92	68			55	28	45	12	65	0.50	-
19	89	64			52	68	43	49	73	0.52	-
20					55	47	47	23	56	0.35	-
21					29	20	17	8	86	0.47	-
22	85	67				20	10	11	81	0.59	-
23	84	63			40	43	25	27	67	0.52	-
24					54	43	49	27	59	0.50	-
25	90	64			54	44	49	20	58	0.50	-
26	91	62			34	38	19	15	61	0.62	-
27	93	68			46	44	35	20	58	0.50	-
28	90	66			39	40	20	19	59	0.46	-
29	90	72			54	23	47	10	116	0.50	-
30	88	66			55	29	44	11	73	0.45	-
Tot:										14.53	0.05
Ave:									67		

BANDAT JUNGLE

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	70			40	21	25	8	52	0.51	-
2	90	70			55	49	45	25	74	0.60	-
3	92	66			49	47	41	23	62	0.52	-
4	91	64			53	28	39	12	61	0.48	-
5	90	63			27	29	12	11	56	0.55	-
6	92	63			43	44	27	20	55	0.60	-
7	94	67			40	47	25	20	65	0.64	-
8	94	68			39	35	20	13	63	0.50	-
9	94	66			41	52	23	18	68	0.55	-
10	90	64			31	39	15	17	73	0.60	-
11	90	63			42	23	25	9	68	0.55	-
12	90	63			38	31	25	15	65	0.58	-
13	90	72			56	43	53	27	87	0.50	-
14	88	70			42	40	30	24	55	0.42	-
15	86	64			40	68	22	67	57	0.52	-
16	90	60			40	29	24	11	47	0.40	-
17	93	62			23	36	9	17	57	0.58	-
18	96	64			33	44	14	20	79	0.60	-
19	94	66			48	35	47	13	35	0.50	
20	94	63			42	18	31	7	66	0.55	-
21	95	72			57	65	46	35	81	0.48	-
22	96	73			57	29	38	17	109	0.53	-
23	86	64			61	62	53	62	78	0.67	0.88
24	80	64			55	60	47	47	74	0.36	0.21
25	85	68			62	60	50	61	58	0.30	-
26	84	68			61	55	53	56	60	0.32	-
27					58	40	83	25	49	0.53	-
28					51	29	48	17	97	0.55	-
29	86	68			54	63	49	59	63	0.52	-
30	86	64			50	65	38	60	61	0.45	-
31	90	64			39	60	20	47	51	0.52	-
Tot:										5.98	1.09
Ave:									65		

BANDAT JUNGLE

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	92	62			23	33	9	16	60	0.40	-
2	90	64			43	58	27	12	73	0.52	-
3	90	63			39	53	27	32	51	0.50	-
4	92	68			58	54	54	33	65	0.45	-
5	93	64			57	34	12	14	63	0.50	-
6	94	63			38	39	21	17	59	0.50	-
7	94	64			45	42	28	17	58	0.50	-
8	95	64			26	29	13	11	56	0.44	-
9	93	64			40	31	24	13	54	0.50	-
10	94	63			34	47	18	23	58	0.55	-
11	92	62			25	43	14	21	48	0.45	-
12	91	60			40	33	24	14	28	0.50	-
13	90	70	89	66	58	45	54	28	98	0.50	-
14	88	62	83	52	51	20	48	8	47	0.38	-
15	89	64	86	62	34	32	18	14	58	0.40	-
16	88	62	87	58	48	14	47	4	50	0.38	-
17	89	58	86	52	30	21	16	10	65	0.45	-
18	86	58	85	51	30	39	16	20	47	0.43	-
19	87	58	86	53	33	33	20	14	51	0.35	-
20	88	57	86	56	23	45	12	25	54	0.40	-
21	86	60	85	59	49	39	44	27	56	0.35	-
22	80	58	78	56	44	43	35	29	77	0.33	-
23	82	60	80	52	39	44	27	35	77	0.32	-
24	84	60	82	58	40	40	25	24	77	0.38	-
25	85	62	83	59	50	48	53	39	65	0.50	-
26	84	58	82	56	50	17	53	9	67	0.36	-
27	83	54	81	57	25	27	19	15	51	0.40	-
28	82	52	83	50	18	6	13	5	54	0.38	-
29	82	53	80	49		14	6	8	54	0.40	-
30	82	53	84	49		14	8	8	51	0.44	-
31	86	57	84	51	37	14	26	8	52	0.40	-
Tot:										13.36	0.00
Ave:	88	61							59		

BANDAT JUNGLE

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	55	83	54	31	25	27	13	54	0.40	-
2	82	50	81	49	31	13	28	8	61	0.41	-
3	80	51	81	49	25	14	22	8	55	0.40	-
4	84	53	83	50	31	24	24	11	48	0.38	-
5	85	54	83	51	35	24	21	13	53	0.39	-
6	83	50	82	47	17	0	15	4	51	0.44	-
7	83	53	82	50	29	37	17	26	58	0.40	-
8	79	60	74	57	51	39	60	23	80	0.30	-
9	81	54	83	52	37	13	35	8	48	0.40	-
10	80	54	82	51	34	39	31		46	0.39	-
11	84	54	83	51	28	21	19	10	53	0.35	-
12	86	51	84	47	20	15	17	7	50	0.50	-
13	87	54	83	47	18	35	19	26	55	0.40	-
14	80	50	80	45	32	11	45	11	89	0.36	-
15	68	42	74	40	22	3	31	7	73	0.33	-
16	72	42	75	40	15	49	18	41	61	0.35	-
17	76	43	77	42	3	3	9	6	44	0.32	-
18	78	43	77	41	6	13	13	8	53	0.33	-
19	80	46	78	41	12	9	13	7	50	0.33	-
20	81	52	79	44	27	13	25	8	51	0.35	-
21	82	52	80	46	23	25	22	14	55	0.39	-
22	80	50	81	46	18	5	19	5	58	0.36	-
23	82	52	80	46	28	17	21	10	54	0.35	-
24	80	50	77	45	18	24	14	15	65	0.40	-
25	81	51	80	46	23	13	17	8	54	0.39	-
26	80	48	82	45	31	18	33	13	48	0.33	-
27	78	47	78	45	25	25	21	14	50	0.35	-
28	80	48	78	44	19	25	23	14	43	0.32	-
29	81	48	82	43	23	17	25	10	51	0.31	-
30	81	51	81	46	11	13	11	8	56	0.36	-
Tot:										11.09	0.00
Ave:	81	50	80	47					56		

BANDAT JUNGLE

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	82	52	82	47	18	18	17	13	57	0.38	-
2	74	48	76	46	27	15	30	11	65	0.34	-
3	73	50	74	46	31	23	31	16	59	0.30	-
4	74	44	76	43	12	48	17	10	50	0.33	-
5	75	43	75	41	18	18	19	12	48	0.30	-
6	75	44	75	42	11	23	18	17	45	0.30	-
7	78	47	74	43	13	2	19	5	45	0.33	-
8	79	47	76	42	18	11	17	10	51	0.35	-
9	78	48	76	43	18	18	13	12	50	0.35	-
10	79	50	75	44	11	8	10	7	53	0.32	-
11	76	48	76	43	23	27	23	21	66	0.30	-
12	74	46	74	45	31	18	41	14	57	0.38	-
13	73	44	74	42	23	18	33	14	56	0.31	-
14	70	44	71	41	23	23	30	17	44	0.26	-
15	76	52	73	43	34	21	37	15	50	0.30	-
16	73	46	70	44	37	18	60	14	63	0.27	-
17	71	43	72	42	29	23	36	17	62	0.29	-
18	71	44	71	42	22	55	31	23	55	0.26	-
19	72	46	71	42	27	25	38	18	53	0.25	-
20	73	46	70	42	24	18	36	13	51	0.30	-
21	73	46	70	42	23	15	25	11	44	0.24	-
22	75	44	73	44	27	18	28	13	51	0.30	-
23	74	43	71	43	23	18	27	13	55	0.28	-
24	74	44	71	42	21	15	22	11	50	0.30	-
25	74	45	72	42	19	23	27	18	44	0.28	-
26	74	45	72	42	23	18	25	13	45	0.28	-
27	75	45	71	43	21	20	22	17	46	0.22	-
28	72	46	70	44	23	34	25	33	60	0.28	-
29	72	44	65	42	34	35	37	36	51	0.20	-
30	70	54	66	45	44	41	69	45	55	0.19	-
31	66	45	67	44	34	27	58	21	53	0.18	-
Tot:										8.97	0.00
Ave:	74	46	73	43					53		

BANDAT JUNGLE

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	44	70	42	32	23	57	18	44	0.20	-
2	68	41	70	41	25	37	43	45	41	0.20	-
3	69	44	68	42	31	31	52	28	43	0.22	-
4			69	42	28	37	45	39	47	0.20	-
5	69	48	65	43	42	34	52	33	73	0.22	-
6	67	47	63	47	39	40	53	47	63	0.17	-
7	64	46	66	45	37	40	52	44	77	0.24	-
8	66	45	65	44	39	37	53	42	63	0.22	-
9	65	44	66	47	34	35	46	41	65	0.21	-
10	65	52			35	34	51	40	87	0.23	-
11	64	48			37	42	60	79	65	0.21	0.05
12	60	40	61	43	40	32	84	42	62	0.19	0.25
13	59	36	64	40	35	31	83	48	33	0.15	-
14	57	34	64	38	32	22	68	35	42	0.16	-
15	56	30	61	35	21	15	60	24	38	0.15	-
16	55	33	57	35	16	16	40	21	46	0.19	-
17	59	32	60	35	17	19	45	27	40	0.18	-
18			60	41	34	20	75	30	48	0.17	-
19	55	28	56	35	21	15	67	35	59	0.15	-
20	45	20	52	32	20	-2		13	72	0.10	-
21	50	24	49	31	17	-10	56	7	47	0.11	-
22	55	25	53	33	15	-13	49	7	45	0.13	-
23	57	21	52	32	15	-21		5	57	0.15	-
24	54	24	51	30	19	-10	65	7	41	0.17	-
25	58	24	54	33	19	-7	59	9	45	0.21	-
26	56	23	53	33	18	-5		11	53	0.18	-
27	50	22	52	29	15	41		58	57	0.13	-
28	64	28	53	33	14	-7	35	8	43	0.17	-
29	58	27	51	32	14	15	47	24	58	0.16	-
30	56	27	55	34	18	3	57	13	43	0.17	-
Tot:										5.33	0.30
Ave:									53		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	56	24	55	33	19	13	65	19	44	0.13	-
2	58	28	55	33	21	10	59	17	41	0.13	-
3	60	32	56	34	21	34	48	40	40	0.12	-
4	59	35	58	36	39	37	84	56	42	0.12	0.05
5	54	32	52	32	34	23	34	30	34	0.04	-
6	60	32	59	39	25	27	63	38	41	0.13	-
7	60	34	55	34	11	19	31	27	41	0.11	-
8			59	45	27	25	65	34	56	0.14	-
9	59	32	59	35	-7	24	9	36	47	0.17	-
10	55	30	51	33	22	14	68	29	45	0.12	-
11	50	22	52	32	27	5	89	17	61	0.13	-
12	54	22	50	32	18	-7	65	9	50	0.10	-
13	54	21	49	31	18	13	58	25	54	0.12	-
14	59	25	49	33	17	46	57	80	45	0.12	-
15	61	28	54	32	14	-2	48	9	40	0.13	-
16	60	30	55	34	16	11	40	18	51	0.16	-
17	61	31	56	32	17		45		43	0.13	-
18	62	28	63	35	15	8	49	16	45	0.14	-
19	58	24	56	36	12		47		55	0.15	-
20	54	22	52	36	18	44	58	74	73	0.16	-
21	57	24	51	32	17	44	57	80	43	0.13	-
22	58	27	55	33	22	46	77	86	46	0.14	-
23	60	27	54	34	21	47	67	86	55	0.14	-
24	56	26	54	32	18	46		86	50	0.07	-
25	62	27	53	34	12	16	37	21	40	0.17	-
26	63	32	57	35	19	17	59	23	39	0.14	-
27	56	29	55	35	25	27	57	30	42	0.12	-
28	60	32	55	33	43	32	92	57	52	0.13	-
29	46	34	44	39	22	35	61	69	49	0.04	0.06
30	46	33	43	34	21	39	60	72	41	0.01	-
31	50	32	50	43	31	34	81	58	37	0.02	-
Tot:										3.66	0.11
Ave:			54	35					47		

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Location	Latitude 26°14', Longitude 66°19', on Quetta-Karachi highway, 118 miles from Karachi.
Elevation	290 ± ft. msl.
Period of record	Established by Surface Water Hydrology Project since March 1963. Daily rainfall record only (copied from Karachi Irrigation Project) from 1948 to 1959 also available.
Instruments	5" Non-recording rain gauge. Casella weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 2.13 inches Evaporation (Pan) 140.14 inches Absolute maximum air temperature 120 °F Absolute minimum air temperature 36 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

BELA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	44	76	45	41	42	77	36	21	0.18	-
2	72	38	76	39	32	28	66	22	32	0.20	-
3	72	36	68	39	24	37	45	31	13	0.20	-
4	72	36			36	36	82	25	18	0.18	-
5	76	40			35	32	57	23	16	0.21	-
6					47	51	74	62	21	0.20	-
7	78	44			38	43	59	29	8	0.20	-
8	82	46			42	43	67	26	19	0.22	-
9	84	46			45	49	85	31	11	0.21	-
10					53	56	81	39	11	0.21	-
11	84	58			57	57	88	52	20	0.20	-
12	80	54			51	41	71	26	7	0.20	-
13	78	42			37	39	63	21	60	0.22	-
14	80	34			34	51	82	55	24	0.20	-
15					37	31	58	14	16	0.20	-
16	80	40			37	42	83	28	19	0.20	-
17					39	48	60	33	12	0.20	-
18	82	52			51	54	57	45	20	0.20	-
19			77	58	57	54	94	47	31	0.20	-
20	78	58	78	57	58	59	58	62	31	0.20	-
21	74	54	73	53	53	54	93	60	31	0.19	-
22	72	50	72	51	49	59	93	66	33	0.19	-
23	72	50	71	51	48	58	86	74	35	0.18	-
24	70	46	68	46	44	59	78	70	28	0.18	-
25	72	48			47	57	93	69	38	0.18	-
26			60	50	40	58	86	74	31	0.18	-
27	72	44	70	44	39	60	70	70	25	0.18	-
28	70	42	70	42	40	54	84	64	33	0.18	-
29	68	40	68	39	40	56	91	65	37	0.18	-
30					44	58	92	55	24	0.18	-
31			76	55	55	61	88	54	31	0.18	-
Tot:										6.03	0.00
Ave:									24		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M.	Dew Point 5 P.M.	Relative Humidity Percent 8 A.M.	Relative Humidity Percent 5 P.M.	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	82	58			60	62	89	60	37	0.19	-
2	78	58	77	58	58	57	88	58	16	0.20	-
3	74	56	74	56	56	59	94	66	10	0.20	-
4	74	58			57	55	83	57	17	0.20	-
5	78	36	75	40	26	43	50	31	17	0.20	-
6	80	40	75	38	37	54	83	40	18	0.20	-
7	80	42	77	43	27	47	35	27	15	0.22	-
8	84	44	80	44	39	47	60	27	23	0.24	-
9	84	44	80	45	37	50	64	33	18	0.22	-
10	84	46	80	45	37	43	54	26	26	0.23	-
11	84	50	80	45	48	62	86	52	21	0.23	-
12	86	52	84	54	54	61	88	89	28	0.23	-
13	74	50	68	51	48	36	86	25	18	0.22	0.12
14	74	44	75	47	37	43	59	29	48	0.22	-
15	80	50	79	46	38	53	38	47	31	0.23	-
16	76	54	75	53	52	58	87	70	27	0.25	-
17	72	48	68	49	45	74	79	85	14	0.20	-
18	82	48	81	49	48	35	86	18	28	0.22	-
19	80	50	81	50	47	42	80	20	23	0.22	-
20	86	50	83	50	45	55	63	33	22	0.23	-
21			84	52	46	53	74	34	26	0.28	-
22	84	54	80	53	54	63	77	47	26	0.27	-
23	88	60	84	57	62	61	89	42	41	0.26	-
24	88	60	86	64	59	62	83	40	56	0.26	-
25	90	58	86	57	56	72	69	51	26	0.28	-
26	94	56	87	53	56	57	88	25	25	0.30	-
27									21	0.29*	-
28									20	0.29*	-
Tot:										6.58	0.12
Ave:									25		

* Estimated evaporation.

BELA

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1			85	53	51	74	76	57	23	0.29	-
2			85	50	51	59	87	37	49	0.26	-
3	88	50	87	50	50	62	93	40	22	0.28	-
4	92	52	87	51	47	71	64	48	15	0.28	-
5	96	52	89	52	50	51	87	24	9	0.28	-
6	94	54	87	51	47	68	53	38	23	0.30	-
7	96	60	90	54	60	70	84	44	28	0.30	-
8	98	60	93	60	59	58	70	28	25	0.31	-
9	100	62	94	59	56	53	58	20	26	0.33	-
10	102	62	92	62	54	55	47	19	26	0.34	-
11			94	64	49	49	47	15	21	0.45	-
12	104	62	94	62	58	47	70	13	18	0.50	-
13	104	60	95	64	52	55	59	19	19	0.52	-
14	102	60	94	62	57	48	78	15	23	0.51	-
15			92	62	53	49	72	17	39	0.54	-
16	100	62	92	62	63	61	84	39	38	0.52	-
17	94	64	90	65	63	63	84	43	25	0.47	-
18	92	64	88	66	66	62	80	41	22	0.45	-
19	92	66	92	68	66	60	80	34	42	0.44	-
20	96	66	95	72	63	59	80	31	28	0.45	-
21	96	62	94	65	63	51	89	24	34	0.45	-
22	94	66	92	65	69	63	90	36	36	0.45	-
23	94	70	94	68	68	64	81	36	40	0.45	-
24	98	72	97	70	71	19	90	45	34	0.46	-
25	94	70	95	72	71	63	86	32	38	0.45	-
26	98	62	94	60	35	42	26	15	43	0.45	-
27	94	62	90	56	44	42	36	15	36	0.47	-
28	94	62	88	62	35	49	23	23	33	0.47	-
29	98	66	92	58	43	43	31	14	28	0.47	-
30	100	62	92	58	35	40	23	12	27	0.47	-
31	98	60	92	55	38	19	26	15	24	0.47	-
Tot:										12.88	0.00
Ave:			91	61					29		

BELA

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	66	95	65	51	55	46	19	34	0.53	-
2	106	68	95	65	71	56	90	20	37	0.55	-
3	106	70	97	65	61	56	63	21	33	0.55	-
4	106	70	95	68	64	62	80	29	31	0.57	-
5	102	72	95	70	65	61	62	26	44	0.58	-
6	106	78	95	72	61	56	51	21	29	0.54	-
7	104	72	95	70	59	59	56	23	23	0.54	-
8	106	[illegible]	98	70	63	53	58	16	22	0.54	-
9	114	74	98	70	61	53	42	16	24	0.50	-
10	108	72	98	68	63	59	58	23	33	0.55	-
11	104	76	95	70	72	51	82	17	33	0.55	-
12	104	76	98	74	74	66	83	33	52	0.55	-
13	100	74	96	75	72	67	82	37	44	0.54	-
14	100	72	98	72	73	65	86	30	48	0.54	-
15	104	74	98	72	71	63	74	32	43	0.54	-
16	98	72	95	70	71	43	78	14	43	0.53	-
17	98	62	95	65	56	41	58	13	34	0.54	-
18	100	66	95	65	64	59	64	29	38	0.53	-
19	98	72	95	67	68	60	73	28	40	0.54	-
20	100	76	95	72	67	59	60	27	71	0.55	-
21	98	62	95	70	59	36	62	10	51	0.56	-
22	98	60	92	56	44	41	32	12	29	0.52	-
23	100	66	95	60	60	33	60	10	28	0.55	-
24	100	66	96	60	59	37	57	12	37	0.55	-
25	102	62	98	64	65	48	76	17	37	0.54	-
26	102	70	98	68	61	50	54	18	38	0.54	-
27	104	72	100	70	68	64	66	36	46	0.55	-
28	106	74	100	72	73	63	78	33	56	0.54	-
29	102	70	100	76	54	41	43	14	39	0.54	-
30	104	70	92	60	31	41	19	14	58	0.62	-
Tot:										16.37	0.00
Ave:	103	70	97	68					39		

BELA

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	70	92	60	46	37	34	12	46	0.61	-
2	100	70	95	60	58	32	56	11	49	0.60	-
3	106	74	92	67	71	55	74	24	78	0.58	-
4	100	72	100	72	70	59	67	26	66	0.60	-
5	102	72	98	72	72	54	82	21	71	0.58	-
6	104	70	100	70	69	64	73	35	68	0.58	-
7	102	74	100	70	72	63	74	30	70	0.58	-
8	104	76	100	72	73	69	75	38	71	0.54	-
9	104	78	100	78	76	72	83	39	81	0.51	-
10	104	80	104	78	79	73	83	43	81	0.50	-
11	102	72	100	72	74	95	86	30	81	0.60	0.67
12	102	74	104	74	79	53	83	16	24	0.40	0.15
13	104	70	102	64	27	53	9	20	49	0.56	-
14	100	74	92	62	68	41	66	10	93	0.70	-
15	98	72	92	62	64	47	64	16	56	0.65	-
16	100	72	97	70	69	49	73	15	49	0.62	-
17	104	76	100	70	73	42	78	32	46	0.55	-
18	106	78	102	75	74	71	71	12	64	0.52	-
19	110	82	106	70	68	55	47	15	75	0.60	-
20	112	74	100	76	53	49	33	12	41	0.65	-
21	110	74	98	68	71	58	74	20	71	0.70	-
22	106	78	100	72	72	71	71	38	56	0.65	-
23	106	82			79	57	83	18	68	0.58	-
24	110	80	105	76	71	68	64	27	46	0.59	-
25	108	80	102	80	79	75	87	31	67	0.57	-
26	106	80	102	78	79	69	83	29	70	0.60	-
27	108	80	103	78	79	71	83	36	74	0.60	-
28	106	80	102	78	79	71	83	36	81	0.60	-
29	108	80	102	78	79	71	83	36	80	0.62	-
30	106	82	102	78	78	71	79	38	83	0.60	-
31	106	82	102	78	79	73	83	45	83	0.60	-
Tot:										18.24	0.82
Ave:	105	76							66		

BELA

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	82	102	78	76	69	83	40	91	0.55	-
2	102	80	102	78	76	70	83	86	83	0.53	-
3	100	75	100	75	74	62	86	31	48	0.34	0.28
4	106	72	102	72	68	44	66	12	53	0.45	-
5	110	76	104	73	74	59	83	22	48	0.60	-
6	106	78	102	72	76	53	79	14	63	0.53	-
7	114	80	104	78	77	59	83	18	56	0.63	-
8	114	80	104	80	77	71	83	39	76	0.60	-
9	106	80	104	80	77	67	83	34	80	0.54	-
10	104	80	102	78	77	74	83	46	77	0.53	-
11	104	82	102	78	78	65	83	28	80	0.54	-
12	106	80	102	78	77	72	83	43	81	0.60	-
13	102	82	102	78	78	73	83	48	85	0.57	-
14	100	82	100	78	75	73	72	48	53	0.57	-
15	100	80	100	78	78	71	79	39	99	0.60	-
16	102	82	102	78	78	74	79	44	64	0.58	-
17	102	82	102	78	78	72	79	43	73	0.60	-
18	104	82	103	80	77	76	72	41	69	0.58	-
19	106	84	104	80	80	76	80	41	58	0.46	-
20	110	82	105	80	77	75	76	38	73	0.54	-
21	114	80	104	80	77	78	76	39	63	0.55	-
22	116	82	106	80	77	67	76	23	29	0.58	-
23	120	82	108	82	80	75	80	38	100	0.59	-
24	110	82	104	78	78	77	79	45	73	0.58	-
25	108	80			78		83		84	0.58	-
26	108	80	104	78	78	75	83	49	63	0.58	-
27	104	79	102	78	75	75	75	49	81	0.56	-
28	104	82			81	73	91	48	74	0.54	-
29	102	84	84	80	78	79	83	54	73	0.54	-
30	102	82	100	78	78	73	83	50	69	0.54	-
Tot:										16.58	0.28
Ave:	106	80							70		

BELA

July 1969

Date	TEMPERAUTES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	80	100	78	77	73	83	50	85	0.54	-
2	102	82	100	78	78	72	83	45	83	0.57	-
3	102	82	100	78	75	73	72	48	74	0.58	-
4	104	82	104	80	76	74	75	48	82	0.58	-
5	102	82	100	80	78	76	79	51	88	0.47	-
6	102	80	100	78	75	73	75	48	73	0.50	-
7	100	78	99	77	76	73	79	50	71	0.48	-
8	100	78	100	78	75	69	75	42	73	0.50	-
9	102	82	100	78	77	73	83	48	74	0.50	-
10	100	82	100	78	76	73	79	48	78	0.49	-
11	100	82	100	78	78	76	83	51	69	0.48	-
12	102	82	100	80	79	79	80	54	93	0.49	-
13	104	82	102	80	78	76	83	41	74	0.50	-
14	106	78	104	78	78	78	83	49	67	0.45	0.30
15	104	82	103	80	80	74	80	83	60	0.48	-
16	100	80	100	78	78	78	83	49	42	0.35	0.25
17	104	82	102	80	78	79	83	56	78	0.42	-
18	102	80	104	80	75	77	75	56	66	0.45	-
19	100	82	102	78	78	73	83	50	51	0.42 *	-
20	100	80	100	78	75	75	75	49	89	0.46	-
21	102	80	100	78	78	79	83	61	54	0.48	-
22	104	82	95	78	78	75	83	72	61	0.49	-
23	108	82	105	80	81	76	91	63	64	0.40	0.32
24	108	80	102	80	79	77	91	72	68	0.44	0.04
25	92	80	90	78	78	77	83	58	58	0.42	-
26	94	78	94	78	76	76	83	58	60	0.38	-
27	94	82	93	80	76	75	79	49	40	0.32	-
28	98	82	98	80	72	76	68	53	74	0.35	-
29	100	82	99	78	75	73	79	48	46	0.36	-
30	98	80	98	78	74	73	78	50	63	0.35	-
31	98	80	98	80	75	73	79	50	65	0.35	-
Tot:										14.05	0.91
Ave:	101	81	100	79					68		

* Estimated evaporation.

BELA

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	80	98	78	76	75	79	53	58	0.35	-
2	100	80	98	78	76	77	79	56	64	0.34	-
3	100	82	100	80	76	74	79	52	59	0.33	-
4	98	82	98	78	76	75	79	63	61	0.36	-
5	96	80	96	78	75	74	79	52	54	0.31	-
6	96	80	95	76	75	71	79	51	72	0.30	-
7	96	80	94	77	74	73	83	54	58	0.30	-
8	96	80	96	78	76	74	79	52	64	0.38	-
9	96	80	96	78	75	73	75	50	63	0.40	-
10	100	80	98	78	76	75	79	57	64	0.41	-
11	98	80	97	78	74	76	83	58	72	0.40	-
12	98	80	99	78	75	76	83	60	79	0.41	-
13	98	80	97	78	75	75	79	57	66	0.40	-
14	98	80	97	78	75	74	79	52	98	0.40	-
15	100	80	100	77	74	70	78	49	66	0.50	-
16	100	77	100	75	74	69	83	46	61	0.48	-
17	100	76	98	74	73	73	82	57	68	0.46	-
18	96	76	96	75	73	71	78	49	61	0.40	-
19	96	80	96	75	73	70	82	47	64	0.38	-
20	94	79	92	80	73	68	78	45	66	0.40	-
21	94	79	94	76	73	68	82	45	52	0.40	-
22	94	76	96	73	77	66	91	43	65	0.40	-
23	96	76	96	72	71	65	82	38	59	0.41	-
24	100	76	98	75	71	69	78	42	59	0.42	-
25	100	76	100	75	73	69	82	44	64	0.42	-
26	100	76	98	75	74	70	87	48	68	0.43	-
27	98	75	98	72	69	67	73	41	66	0.44	-
28	98	74	98	72	73	69	86	46	59	0.40	-
29	97	74	98	73	74	71	86	49	61	0.40	-
30	98	74	98	74	74	70	86	47	66	0.44	-
31	98	76	98	74	74	71	86	51	61	0.41	-
Tot:										12.28	0.00
Ave:	98	78	97	76					64		

BELA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	76	96	73	74	70	86	47	65	0.40	-
2	96	78	94	74	74	70	86	47	55	0.35	-
3	98	78	98	74	73	70	78	47	62	0.35	-
4	102	78	100	75	73	70	78	47	67	0.38	-
5	100	78	98	76	73	68	78	45	65	0.38	-
6	96	74	96	72	71	67	86	41	59	0.41	-
7	98	76	98	73	74	69	86	42	59	0.40	-
8	98	78	98	75	75	68	91	29	59	0.42	-
9	108	78	102	76	73	69	78	32	55	0.46	-
10	106	78	102	74	74	68	83	38	45	0.42	-
11	106	76	102	74	74	66	83	36	49	0.40	-
12	102	72	98	70	73	68	86	45	71	0.42	-
13	96	72	94	70	73	68	91	45	57	0.38	-
14	98	74	96	72	70	62	81	27	68	0.38	-
15	106	72	92	62	65	55	65	20	84	0.45	-
16	104	70	92	60	43	62	29	50	57	0.44	-
17	104	76			70	57	41	27	51	0.60	-
18	102	70	96	56	66	67	80	47	46	0.42	-
19	98	70	94	74	69	65	86	44	61	0.41	-
20			73	70	74	64	86	33	54	0.40	-
21	100	72	97	70	67	60	69	26	50	0.40	-
22	102	70	96	71	71	69	86	42	48	0.41	-
23	98	74	96	70	70	66	81	43	49	0.41	-
24	98	76	95	73	73	73	86	57	66	0.40	-
25	92	77	96	74	74	70	78	55	65	0.40	-
26	94	76	96	76	74	69	86	55	66	0.40	-
27	94	74	95	72	71	67	86	47	67	0.32	-
28	96	72	96	70	71	64	86	35	52	0.40	-
29	96	72	94	71	72	66	90	56	58	0.33	-
30	94	72	94	71	69	71	86	51	65	0.40	-
Tot:										12.14	0.00
Ave:									57		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	74	95	70	71		86		60	0.31	-
2	98	72	95	70	69	61	86	39	50	0.36	-
3	100	70	93	64	63	61	75	39	39	0.38	-
4	100	70	100	70	59	59	57	36	38	0.32	-
5	100	70	94	68	64	56	72	26	41	0.38	-
6	100	64	94	62	58	51	70	21	35	0.37	-
7	100	68	92	65	66	50	80	20	34	0.38	-
8	102	64	92	65	66	48	80	17	38	0.38	-
9	102	64	92	64	49	50	43	20	33	0.44	-
10	102	66	92	62	58	53	59	24	41	0.45	-
11	100	68	90	62	66	67	80	49	47	0.43	-
12	98	72	94	68	68	66	81	37	48	0.35	-
13	100	70	94	70	71	69	90	50	49	0.36	-
14	94	72	90	70	70	67	81	47	49	0.34	-
15	94	74	92	72	72	70	82	47	41	0.30	-
16	98	74	96	72	74	69	91	44	40	0.30	-
17	96	72	94	70	70	68	81	38	34	0.31	-
18	100	66	94	66	61	52	79	23	34	0.30	-
19	102	66	92	64	56	60	61	29	39	0.38	-
20	100	62	90	62	45	59	38	31	29	0.33	-
21	100	66	92	60	59	60	79	29	27	0.32	-
22	102	64	90	62	48	63	40	30	18	0.35	-
23	104	72	92	64	55	63	49	30	25	0.38	-
24			92	64	55	64	69	33	31	0.38	-
25	100	66	92	64	58	66	50	37	30	0.34	-
26	102	62	92	58	54	55	60	28	16	0.38	-
27	102	64	92	62	52	57	53	27	31	0.36	-
28	100	68	92	62	56	56	61	29	42	0.33	-
29	94	64	90	62	57	57	74	33	41	0.34	-
30	92	62	90	60	55	57	69	33	21	0.32	-
31	94	60	90	60	49	57	51	33	28	0.30	
Tot.										10.97	0.00
Ave:			93	65					36		

BELA

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	68			54	57	54	33	30	0.30	-
2	96	68	90	60	59	54	62	26	42	0.31	-
3	96	66	90	60	59	56	62	29	31	0.30	-
4	94	68	90	66	54	52	54	28	43	0.30	-
5	92	68	90	64	54	57	54	33	23	0.30	-
6	92	66	90	64	62	57	71	33	57	0.31	-
7	94	66	90	62	59	60	62	34	21	0.30	-
8	94	70			50	56	46	29	16	0.31	-
9	94	70	90	60	50	57	46	33	25	0.30	-
10	96	70	90	68	54	61	54	39	27	0.31	-
11	94	64	86	58	47	25	49	10	36	0.30	-
12	94	60	88	58	52	54	67	32	16	0.29	-
13	92	62	87	57	44	54	70	32	16	0.25	-
14	90	62	88	58	49	53	42	31	19	0.25	-
15	90	60			41	50	51	28	25	0.26	-
16	90	56	86	54	44	44	41	23	30	0.25	-
17	90	60	83	54	44	50	42	28	6	0.23	-
18	90	60	82	58	45	46	51	24	14	0.23	-
19	90	60	84	54	46	48	46	28	19	0.24	-
20	88	60	82	50	6	39	56	19	47	0.30	-
21	84	44	75	42	24	45	12	27	17	0.30	-
22	84	48	75	44	32	50	29	33	26	0.25	-
23	84	48	78	46	32	53	34	34	23	0.26	-
24	86	52	78	46	13	48	34	28	18	0.26	-
25	86	50	76	46	13	50	15	33	39	0.22	-
26	86	48	78	44	13	41	15	25	15	0.26	-
27	84	46	75	44	29	43	45	32	19	0.23	-
28	84	50	78	44	32	43	40	32	18	0.23	-
29	82	50	76	42	32	40	40	27	26	0.23	-
30	84	56	78	50	41	40	53	27	19	0.24	-
Tot:										8.12	0.00
Ave:	90	59							25		

BELA

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	54	78	50	38	50	44	33	15	0.21	-
2	88	58	80	50	41	48	41	28	20	0.22	-
3	88	58	80	50	33	42	31	23	20	0.21	-
4	88	58	80	50	33	41	38	21	23	0.20	-
5	88	59	82	52	50	51	62	30	26	0.21	-
6	90	58	80	50	46	51	56	30	25	0.20	-
7	90	54	80	54	44	35	55	17	16	0.20	-
8	86	54	80	52	41	48	53	28	18	0.20	-
9	86	50	78	50	40	48	65	28	8	0.19	-
10	88	51	78	50	30	48	30	28	23	0.20	-
11	86	50	80	50	32	42	34	23	11	0.18	-
12	84	50	80	48	24	40	29	22	33	0.17	-
13	84	48	80	48	22	41	32	25	26	0.16	-
14	82	44	76	42	25	43	35	29	14	0.17	-
15	82	48	78	46	34	43	44	29	16	0.18	-
16	82	46	78	46	36	43	58	29	12	0.18	-
17	82	48	76	48	36	45	58	27	16	0.19	-
18	86	48	78	48	29	45	38	27	9	0.20	-
19	86	48	76	48	29	48	45	28	22	0.20	-
20	88	48	76	48	36	48	58	28	21	0.21	-
21	86	48	76	48	24	41	29	25	19	0.20	-
22	84	48	78	48	29	41	38	25	18	0.20	-
23	84	50	76	48	29	39	38	23	16	0.20	-
24	84	48	76	48	39	43	70	29	10	0.18	-
25	84	48	76	48	35	41	49	25	6	0.17	-
26	84	50	76	48	35	41	49	24	6	0.18	-
27	84	50	76	49	33	40	51	27	21	0.19	-
28	80	44	76	45	38	40	77	27	18	0.18	-
29	78	47	76	48	38	51	60	41	15	0.17	-
30	80	56	77	57	46	52	56	42	16	0.18	-
31	82	54	77	54	38	43	51	29	16	0.17	-
Tot:										5.90	0.00
Ave:	85	51	78	49					17		

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Location Latitude 29°03', Longitude 67°49', in Tehsil Headquarters behind Civil Hospital which is 15 miles west of Belpat Railway Station.

Elevation 330 ± ft. msl.

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 3.1.1965 and taken over by Surface Water Hydrology Project in December, 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometers.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	Data incomplete
Evaporation (Pan)	Data incomplete
Absolute maximum air temperature	120°F
Absolute minimum air temperature	

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel, are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

BHAG

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	30					73	71	28	0.24	-
2	90	30					66	49	45	0.24	-
3	75	48					74	71	14	0.24	-
4	80	30					73	71	43	0.24	-
5	75	48					74	66	17	0.24	-
6	80	30					73	49	36	0.24	-
7	75	48					74	71	49	0.24	-
8	90	30					66	63	48	0.24	-
9	75	48					74	66	20	0.24	-
10	80	30					73	71	37	0.24	-
11	82	40					32	30	43	0.24	-
12	90	30					66	74		0.24	-
13	75	48					74	66		0.24	-
14	85	40					55	41		0.24	-
15	82	42					61	63		0.24	-
16							74	66		0.24	-
17	82	40					32	30		0.24	-
18	85	40					55	41		0.24	-
19	85	40					55	41		0.24	-
20	75	48					74	66		0.24	-
21	75	48					74	66		0.24	-
22	82	42					61	63		0.24	-
23											
24											
25											
26											
27											
28											
29											
30											
31											
Tot:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17	75	47			45	39	85	30			
18	76	47			41	26	61	15		0.20	-
19	82	42			34	15	62	14		0.21	-
20	85	45			36	28	63	13		0.28	-
21	88	48			31	35	50	21		0.30	-
22	84	47			24	37	27	19		0.24	-
23	88	54			41	42	46	22		0.25	-
24	90	58			41	49	53	29		0.39	-
25	90	58			44	47	48	25		0.30	-
26	90	63			51	52	59	38		0.40	-
27	88	60			49	41	66	24		0.43	-
28	88	56			37	39	46	23		0.40	-
29											
30											
Ave:											

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	54			37	47	50	25		0.36	-
2					33	46	38	23		0.34	-
3	92	58			35	43	36	18		0.41	-
4	96	57			30	36	28	14		0.43	-
5	98	59			35	27	36	9		0.50	-
6	98	58			23	32	24	11		0.50	-
7	100	60			60	41	84	15		0.45	-
8	98	60			43	44	32	16		0.48	-
9	102	60			36	28	28	8		0.46	-
10	104	62			39	39	34	11		0.48	-
11	108	64			48	29	42	8		0.53	-
12	108	62			34	28	29	8		0.57	-
13	108	63			39	29	34	8		0.60	-
14	108	62			28	13	21	4		0.64	-
15	108	64			23	36	16	10		0.67	-
16	108	70			39	43	30	15		0.70	-
17	104	64			45	45	40	15		0.54	-
18	104	70			45	43	36	19		0.60	-
19	98	68			50	39	46	15		0.63	-
20	98	66			38	44	27	18		0.60	-
21	98	71			51	45	39	19		0.55	-
22	100	72			46	45	34	17		0.60	-
23	102	74			55	51	49	24		0.57	-
24	98	72			56	56	44	29		0.60	-
25	98	70			62	18	71	9		0.60	-
26	90	54			11	19	10	1		0.67	0.12
27	94	52			19	11	20	5		0.58	-
28	94	58			30	17	26	6		0.58	-
29	98	60			28	22	23	7		0.61	-
30	100	62			28	27	23	8		0.63	-
31	104	64			23	22	18	6		0.65	-
Tot:										17.13	0.12
Ave:											

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	63			28	21	21	5		0.69	-
2	108	64			23	15	18	4		0.62	-
3	110	66			23	55	17	3		0.65	-
4	112	65			19	24	11	6		0.66	-
5	110	76			35	27	21	8		0.65	-
6	102	74			35	28	22	8		0.58	-
7	104	72			24	34	13	10		0.55	-
8	108	76			34	42	19	12		0.58	-
9	110	77			29	36	13	10		0.62	-
10	112	82			33	39	13	11		0.67	-
11	110	80			44	40	24	14		0.70	-
12	104	80			49	51	29	21		0.68	-
13	102	76			55	52	39	25		0.70	-
14	98	80			57	58	40	29		0.50	-
15	102	78			47	45	31	19		0.50	-
16	96	68			31	8	19	4		0.47	-
17	96	62			22	17	12	4		0.62	-
18	102	64			39	31	32	10		0.55	-
19	102	66			43	44	25	16		0.50	-
20	102	76			43	41	29	17		0.50	-
21	98	64			24	5	15	3		0.68	-
22	98	58			18	5	13			0.50	-
23	102	62			32	5	22	3		0.50	-
24	106	64			26	0	15	2		0.52	-
25	108	70			29	3	16	2		0.50	-
26	110	68			24	20	13	5		0.52	-
27	112	74			31	29	14	8		0.50	-
28	110	84			36	16	16	4		0.64	-
29	108	72			12		7			0.80	-
30	104	64			6		7			0.70	-
Tot:										17.85	0.00
Ave:	105	71									

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	70			40	20	26	6		0.65	-
2	100	72			33	27	20	8		0.60	-
3	102	76			45	33	25	9		0.60	-
4	108	80			50	34	31	9		0.56	-
5	108	76			46	34	27	8		0.55	-
6	112	78			49	28	29	6		0.58	-
7	112	78			54		32	11		0.63	-
8	116	82			40	47	18	11		0.61	-
9	118	86			57	50	24	14		0.74	-
10	116	90			56	41	29	14		0.70	-
11	108	82			56	49	36	15		0.62	-
12	110	78			38	29	18	7		0.60	-
13	112	80			14	1	7	3		0.80	-
14	100	78			52	51	36	24		0.60	-
15	96	74			45	35	27	12		0.52	-
16	100	76			43	23	25	6		0.50	-
17	106	72			33	1	16	2		0.50	-
18	112	82			38	24	15	6		0.55	-
19	114	76			23	11	9	3		0.80	-
20	112	82			40	34	18	9		0.82	-
21	112	80			41	35	17	8		0.60	-
22	116	84			40	44	16	11		0.60	-
23	118	90			37	30	13	6		0.85	-
24	116	82			48	39	22	9		0.62	-
25	116	86			54	48	32	14		0.66	-
26	112	78			38	22	17	5		0.62	-
27	112	80			32	26	11	5		0.65	-
28	116	83			28	18	9	4		0.70	-
29	118	77			44	36	20	5		0.74	-
30	118	83			44	29	18	5		0.70	-
31	120	85			53	47	24	10		0.70	-
Tot:										19.97	0.00
Ave:	111	80									

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June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	120	88			31	48	45	12		0.72	-
2	118	94			51	38	19	10		0.70	-
3	110	84			61	15	13	4		0.67	0.15
4	112	76			24	1	10	2		0.67	-
5	114	78			37	16	16	4		0.70	-
6	114	80			41	30	17	6		0.65	-
7	116	84			50	26	25	5		0.69	-
8	118	84			28	15	9	3		0.67	-
9	118	83			38	18	15	3		0.69	-
10	120	80			37		18	1		0.65	-
11	122	78			67	15	47	3		0.65	-
12	120	84			71	32	54	6		0.83	-
13	118	86			69	48	48	12		0.85	-
14	118	90			66	53	39	15		0.90	-
15	116	90	102	76	70	56	48	17	132	0.70	-
16	116	90	103	76	67	51	43	14	134	0.74	-
17	118	90	103	77	69	56	46	16	131	0.73	-
18	118	93	104	79	72	54	47	14	145	0.75	-
19	120	92	106	78	72		49		122	0.76	-
20			109	76	74	38	55	7	109	0.71	-
21			108	73	62		34		94	0.76	-
22			104	73	34		11		144	0.90	-
23			102	70	62	31	31		17[illegible]	0.93	-
24			103	80	59	59	26		176	0.95	-
25	118	94	103	81	65	45	32		101	0.75	-
26			106	76	62	22	34		101	0.78	-
27			105	78	69	57	44		127	0.82	-
28	120	93	104	79	66	66	37		132	0.77	-
29	114	94	101	80	62	63	34		194	0.90	-
30	114	95	100	83	70	71	41		147	0.75	-
Tot:										22.74	0.15
Ave:											

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	118	92	104	80	70	66	44	27	152	0.76	-
2	114	93	104	78	67	66	40	25	161	0.72	-
3	114	91	105	80	74	59	52	18	119	0.68	-
4	118	93	106	80	67	65	40	22	124	0.73	-
5	118	91	105	80	71	63	49	21	155	0.76	-
6	118	92	105	80	69	64	46	22	148	0.75	-
7	118	90	105	80	71	67	54	26	163	0.78	-
8	116	90	104	80	68	65	45	23	141	0.65	-
9	116	90	104	79	72	65	54	24	173	0.80	-
10	116	89	104	80	71	67	49	26	179	0.81	-
11	116	91	104	81	72	51	47	13	160	0.74	-
12	120	92	107	81	72	69	49	28	154	0.76	-
13	115	93	105	79	60	64	29	22	155	0.75	-
14	116	96	104	80	59	54	26	14	132	0.78	-
15	120	86	106	79	68	68	38	29	137	0.80	0.13
16	112	96	102	83	71	65	39	22	102	0.62	-
17	118	93	103	82	73	69	50	28	156	0.73	-
18	116	92	106	82	71	64	49	22	137	0.70	-
19	117	92	105	83	72	68	47	25	145	0.72	-
20	118	94	106	83	73	71	50	30	131	0.70	-
21	116	95	105	81	69	68	40	33	117	0.67	-
22	114	94	105	81	75	67	49	34	115	0.65	-
23	114	82	104	78	80	72	74	47	148	0.51	0.40
24	104	86	99	80	78	76	73	43	87	0.25	-
25	108	81	104	78	78	78	79	49	130	0.43	0.20
26	106	82	104	79	79	74	76	39	110	0.34	-
27	108	85	106	82	75	73	53	34	69	0.42	-
28	112	90	104	81	73	72	52	35	145	0.60	-
29	112	92	104	83	70	71	44	36	178	0.66	-
30	108	91	101	82	73	72	50	33	108	0.70	-
31	114	92	103	81	71	70	49	33	141	0.67	-
Tot:										20.64	0.73
Ave:	115	91	104	81					138		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	112	87	105	80	66	68	39	29	151	0.70	-
2	114	92	106	82	70	56	44	17	122	0.65	-
3	114	90	104	82	77	71	63	32	142	0.60	-
4	112	90	102	79	74	67	55	28	128	0.57	-
5	112	90	105	80	72	69	47	31	140	0.63	-
6	112	88	103	79	73	69	57	30	167	0.60	-
7	110	86	106	78	72	70	62	33	163	0.56	-
8	109	86	103	80	74	70	60	33	125	0.55	-
9	110	88	104	80	75	70	57	31	152	0.68	-
10	112	92	106	82	74	71	55	32	111	0.65	-
11	112	88	105	81	74	74	60	37	164	0.60	-
12	110	88	104	79	73	71	62	35	160	0.61	-
13	108	86	104	80	71	72	56	38	166	0.54	-
14	106	87	102	80	71	70	51	36	137	0.52	-
15	108	90	103	80	73	68	52	31	131	0.60	-
16	110	92	104	82	74	82	55	22	129	0.58	-
17	114	90	105	79	71	68	51	31	138	0.65	-
18	110	84	104	77	71	69	61	32	171	0.64	-
19	108	84	102	77	70	68	61	33	149	0.56	-
20	106	84	101	77	69	63	58	28	150	0.59	-
21	107	85	100	78	68	63	52	26	136	0.56	-
22	108	87	101	77	69	59	50	26	130	0.55	-
23	104	82	99	74	62	65	41	30	145	0.58	-
24	108	86	100	74	67	54	43	18	77	0.47	-
25	110	88	101	76	72	59	54	23	108	0.56	-
26	110	86	101	75	71	60	56	24	98	0.51	-
27	110	83	102	75	69	63	50	24	97	0.56	-
28	112	82	103	75	68	44	50	12	78	0.54	-
29	114	83	103	75	73	54	57	16	77	0.51	-
30	114	82	103	75	73	53	65	17	71	0.52	-
31	112	83	103	75	73	62	62	25	81	0.50	-
Tot:										17.94	0.00
Ave:	110	87	103	78					129		

September 1969

Date	Temperatures °F: Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	84	102	76	71	53	58	17	98	0.52	-
2	112	84	103	75	73	51	65	15	91	0.49	-
3	114	82	102	73	71	39	64	9	76	0.47	-
4	114	82	103	73	72	53	65	17	67	0.50	-
5	112	84	103	76	72	53	62	17	86	0.52	-
6	112	83	102	75	73	54	65	16	83	0.55	-
7	114	84	104	75	72	57	59	21	76	0.52	-
8	110	88	103	76	63	58	41	20	91	0.54	-
9	112	90	103	76	70	55	48	19	100	0.55	-
10	112	85	102	77	67	59	47	23	93	0.56	-
11	110	85	100	76	67	53	47	17	92	0.51	-
12	112	86	101	77	70	64	55	25	91	0.55	-
13	110	83	102	77	73	55	57	19	86	0.56	-
14	112	84	102	76	28		11		87	0.53	-
15	110	69	94	57	17		8		146	0.74	-
16	108	70	92	61	22	42	14	13	92	0.64	-
17	110	76	97	70	52	23	36	5	64	0.47	-
18	110	72	97	66	51	17	33	4	56	0.45	-
19	112	70	98	64	51	30	33	7	68	0.49	-
20	112	72	97	66	53	42	34	12	76	0.53	-
21	110	74	97	67	57	54	40	20	62	0.45	-
22	108	76	97	69	57	46	42	14	75	0.56	-
23	110	74	98	68	58	32	43	7	68	0.52	-
24	114	75	100	69	64	38	59	9	71	0.51	-
25	114	77	98	71	67	45	60	14	100	0.53	-
26	108	79	98	72	70	61	67	28	86	0.55	-
27	105	82	99	72	69	48	64	17	89	0.53	-
28	103	74	100	71	71	56	67	23	47	0.40	-
29	103	72	98	70	69	46	70	15	60	0.42	-
30	106	68	99	66	58	50	48	18	52	0.45	-
Tot:										15.61	0.00
Ave:	110	79	100	71					81		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Sun Max	Sun Min	Dew Point 8 A.M	5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	105	74	97	69	67	41	60	12	58	0.43	-
2	106	80	98	70	65	55	53	27	82	0.47	-
3	98	76	90	72	54	51	37	21	106	0.50	-
4	100	73	95	69	61	48	51	19	48	0.40	-
5	100	71	96	69	60	44	54	16	53	0.41	-
6	102	69	96	67	55	40	49	12	37	0.38	-
7	104	67	96	65	51	27	39	7	37	0.37	-
8	106	66	95	64	47	23	35	6	41	0.39	-
9	104	64	94	63	46	27	34	7	44	0.41	-
10	106	66	95	63	47	34	37	10	51	0.43	-
11	104	65			51	29	39	8	41	0.38	-
12	106	68	93	64	49	28	40	8	51	0.40	-
13	103	73	94	66	58	46	48	18	66	0.41	-
14	100	69	93	66	54	45	48	17	46	0.34	-
15	100	72	93	69	56	55	44	27	39	0.32	-
16	98	76	91	69	61	56	51	29	78	0.38	-
17	95	71	91	67	61	54	57	26	57	0.35	-
18	96	66	92	65	54	42	54	15	42	0.30	-
19	100	68	93	64	56	38	55	13	49	0.32	-
20	100	66	92	65	52	28	50	8	50	0.31	-
21	103	67	92	63	56	34	61	10	45	0.28	-
22	105	65	94	64	56	21	55	5	50	0.32	-
23	106	62	94	60	45	28	40	8	38	0.35	-
24	104	65	92	64	52	42	50	15	28	0.30	-
25	100	64	93	63	46	47	41	20	32	0.32	-
26	100	64	93	62	47	35	44	11	23	0.25	-
27	102	62	94	61	49	34	45	11	34	0.30	-
28	100	66	91	64	11	41		15	34	0.29	-
29	98	73	91	66	57	51	49	26	42	0.30	-
30	94	72	90	69	57	50	47	23	32	0.26	-
31	95	66	92	64	52	49	50	21	34	0.30	-
Total										10.97	0.00
Ave:	101	69							47		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	64	92	63	54	37	57	12	23	0.22	-
2	102	63	92	62	41	34	38	11	27	0.23	-
3	102	65	91	63	46	49	39	21	37	0.33	-
4	97	66	90	64	50	47	46	20	33	0.27	-
5	95	65	90	65	47	42	44	17	26	0.23	-
6	96	65	88	64	43	44	37	20	28	0.24	-
7	93	62	88	61	44	48	42	22	31	0.25	-
8	96	64	90	62	48	44	50	20	26	0.23	-
9	92	62	88	60	45	42	49	19	37	0.26	-
10	94	63	87	62	50	46	55	23	33	0.23	-
11	91	61	87	60	48	48	53	27	23	0.20	-
12	88	65	85	63	57	44	69	23	55	0.22	-
13	90	64	87	63	51	46	49	24	32	0.21	-
14	86	55	84	52	37	24	40	10	29	0.20	-
15	90	52	81	50	28	38	35	21	36	0.23	-
16	84	54	80	53	35	40	36	22	21	0.20	-
17	86	54	81	52	35	37	42	19	24	0.19	-
18	87	58	81	58	38	37	38	18	21	0.20	-
19	88	60	82	54	25	41	21	25	47	0.23	-
20	83	48	75	42	11	11	17	8	130	0.38	-
21	80	42	73	44	22	1	32	5	47	0.23	-
22	84	37	74	40	18	7	36	6	18	0.18	-
23	82	38	73	42	14	1	30	5	14	0.15	-
24	82	37	73	41	6	2	21	4	23	0.18	-
25	83	39	73	42	15	6	28	3	26	0.20	-
26	83	36	74	42	19	7	40	6	33	0.21	-
27	84	40	72	40	18	15	36	9	30	0.20	-
28	82	40	72	41	11	6	24	7	17	0.18	-
29	82	40	73	43	24	15	45	10	20	0.16	-
30	80	40	72	43	18	11	36	8	23	0.15	-
Tot:										6.59	0.00
Ave:	89	53	82	53					32		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	40	72	44	24	24	45	14	28	0.18	-
2	80	40	73	44	14	21	30	13	12	0.12	-
3	80	44	74	40	18	24	25	13	18	0.14	-
4	82	50	74	50	29	22	41	12	21	0.17	-
5	83	50	73	50	31	27	42	14	19	0.16	-
6	84	46	76	50	28	37	44	22	23	0.18	-
7	84	46	76	49	22	59	36	46	20	0.17	-
8	85	48	75	50	31	40	42	26	21	0.15	-
9	82	48	73	49	33	40	51	26	11	0.11	-
10	82	47	76	50	37	35	59	22	20	0.13	-
11	80	42	75	43	26	28	51	18	31	0.16	-
12	77	37	70	42	25	21	56	13	28	0.18	-
13	80	36	71	41	28	11	64	9	21	0.14	-
14	78	36	68	31	13	14	36	10	21	0.15	-
15	77	34	73	40	17	6	43	4	11	0.13	-
16	78	35	70	40	17	6	39	7	14	0.11	-
17	80	37	72	41	21	1	42	5	16	0.12	-
18	79	35	70	34	23	11	49	8	13	0.10	-
19	78	38	68	35	4	12	13	7	15	0.11	-
20	83	39	72	43	16	24	34	13	22	0.13	-
21	82	38	71	42	19	21	40	13	15	0.12	-
22	78	38	70	43	25	30	56	21	19	0.14	-
23	76	39	69	43	22	24	47	15	17	0.13	-
24	78	38	70	43	19	23	40	16	16	0.12	-
25	76	41	69	45	21	28	42	18	15	0.12	-
26	77	38	69	43	16	21	34	13	16	0.11	-
27	78	41	71	44	18	28	36	12	18	0.13	-
28	77	42	70	45	18	28	36	19	11	0.12	-
29	75	43	69	45	21	34	39	24	20	0.13	-
30	77	45	70	48	20	37	34	33	24	0.12	-
31	70	44	64	46	26	36	42	26	18	0.10	-
Tot:										4.18	0.00
Ave:	79	41	71	44					19		

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Location	Latitude 32°27', Longitude 73°12', in Dera Shahoo near Chot Village, Tehsil Phalia.
Elevation	690 ± ft. msl.
Period of record	Station established by Surface Water Hydrology Project in October 1964.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Precipitation 19.23 inches Evaporation (Pan) Data incomplete Absolute maximum air temperature 114 °F Absolute minimum air temperature 27 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	64	30			35	28	82	29		0.08	-
2	65	31			35	35	90	42		0.09	-
3	66	30			37	33	91	38		0.08	-
4	66	29			35	38	82	44		0.07	-
5	65	30			33	35	90	39		0.09	-
6	65	27			32	37	81	43		0.07	-
7					41	37	84	40		0.06	-
8	64	30			32	44	81	45		0.04	-
9	68	34			38	40	91	42		0.08	-
10	67	33			35	37	74	37		0.10	-
11	64	32			30	38	65	47		0.13	-
12					46	50	92	93		0.06	-
13	56	34			42	45	42	63		0.02	0.06
14					40	38	91	44		0.05	-
15	63	31			33	59	90	88		0.09	-
16	64	30			35	40	90	42		0.09	-
17	63	31			33	41	90	43		0.08	-
18	64	33			33	41	90	43		0.10	-
19	67	32			35	38	90	46		0.09	-
20	65	30			33	48	90	53		0.08	-
21	68	34			33	42	74	54		0.11	-
22	69	33			35	50	74	55		0.08 *	-
23	70	36			41	45	77	38		0.05 *	-
24	74	45			42	48	72	50		0.12	-
25	69	49			49	54	86	77		0.10	-
26	63	50			50	52	87	67		0.06	-
27	67	46			45	52	85	71		0.06	0.02
28	62	32			40	49	77	61		0.09	-
29	63	31			41	51	78	66		0.13	-
30	64	33			42	47	78	57		0.12	-
31	65	37			43	51	78	62		0.15	-
Tot:										2.64	0.08
Ave:											

* Estimated evaporation.

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	40			45	49	92	58		0.11	0.39
2	65	34			42	46	92	53		0.09	-
3	65	32			39	44	77	48		0.12	-
4	66	30			40	40	77	40		0.14	-
5	66	31			39	37	70	35		0.13	-
6	67	30			41	41	71	41		0.13	-
7	67	30			31	40	73	37		0.14	-
8	68	32			25	37	41	33		0.15	-
9	68	39			36	43	63	41		0.17	-
10	69	37			39	40	84	35		0.12	-
11	71	40			44	44	85	42		0.12	-
12	69	43			46	45	64	49		0.12	-
13	69	52			52	49	87	61		0.09	0.02
14	67	51			52	48	93	65		0.16	0.10
15	64	48			50	47	93	65		0.07	0.02
16	63	44			49	49	93	75		0.08	0.04
17	63	39			42	54	92	73		0.06	0.24
18	65	40			41	52	84	63		0.14	-
19	67	38			43	48	78	53		0.15	-
20	66	38			46	47	74	47		0.18	-
21	70	39			44	51	85	59		0.24	-
22	68	42			46	53	85	60		0.13	-
23	70	43			48	54	80	60		0.09	-
24	73	44			53	56	82	65		0.11	-
25	73	52			53	58	76	59		0.19	-
26	75	56			54	63	73	80		0.15	-
27										0.15 *	-
28										0.16 *	-
Tot:										3.69	0.81
Ave:											

* Estimated evaporation

CHAK DAPHAR

March 1969

Date	TEMPERATURES °F						Relative Humidity Percent		Wind Movement Miles	Evaporation in inches	Rain in inches
	Air		Pan Water		Dew Point						
	Max	Min	Max	Min	8 A.M	5 P.M	8 A.M	5 P.M			
1					52	48	71	38		0.18 *	-
2	79	47			57	50	66	37		0.15	-
3	81	45			53	55	72	43		0.16	-
4	81	50			57	58	78	45		0.18	-
5	83	47			53	57	82	42		0.22	-
6	83	48			54	58	77	43		0.23	-
7	84	47			53	57	68	40		0.24	-
8	85	47			54	54	68	35		0.26	-
9	87	50			53	53	64	33		0.25	-
10	89	51			53	52	60	32		0.28	-
11	88	52			54	59	60	37		0.25	-
12	90	53			59	51	70	26		0.27	-
13	92	54			57	60	69	38		0.26	-
14	92	55			61	57	75	33		0.25	-
15	93	54			58	59	65	36		0.28	-
16	92	56			57	67	65	49		0.30	-
17	91	59			56	62	61	41		0.29	-
18	91	63			63	59	80	74		0.29	-
19	70	57			60	63	79	64		0.11	0.06
20	79	52			54	40	73	40		0.28	0.14
21	76	48			54	65	73	69		0.23	-
22	80	57			57	58	62	66		0.18	-
23	72	55			59	62	74	55		0.10	-
24	82	54			60	60	66	42		0.22	-
25	88	62			62	63	84	75		0.27	0.03
26	73	49			54	57	88	53		0.15	0.11
27	78	45			56	58	78	45		0.20	-
28	83	47			54	55	57	39		0.25	-
29	85	48			59	56	70	40		0.28	-
30	86	50			59	77	70	72		0.28	-
31	90	56			61	76	60	75		0.30	-
Tot:										7.20	0.34
Ave:											

* Estimated evaporation.

CHAK DAPHAR

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	55			61	77	67	72		0.30	-
2	90	57			64	75	72	72		0.32	-
3	91	56			64	79	68	87		0.32	-
4	92	55			71	89	78	92		0.33	-
5	92	54			73	83	90	92		0.33	-
6	91	56			68	85	81	81		0.33	-
7	95	57			70	85	86	78		0.34	-
8	95	58			70	86	81	78		0.33	-
9	96	62			74	85	91	81		0.31	-
10	94	68			76	87	87	84		0.30	-
11	95	67			74	78	86	83		0.29	-
12	86	57			71	67	90	90		0.28	-
13	73	56			67	80	90	76		0.06	0.04
14	90	57			74	82	87	80		0.34	-
15	90	58			71	80	90	80		0.33	-
16	89	56			65	66	85	85		0.23	0.03
17	90	50			63	84	80	88		0.07	-
18	90	51			71	84	90	84		0.26	-
19	90	61			73	75	86	83		0.25	-
20	82	60			61	59	94	74		0.24	0.16
21	70	48			59	74	74	44		0.11	0.28
22	82	49			58	55	66	39		0.29	-
23	84	48			60	55	63	37		0.31	-
24	86	49			59	56	59	36		0.35	-
25	89	51			59	57	57	34		0.37	-
26	90	51			59	66	51	47		0.40	-
27	91	54			64	68	53	55		0.37	-
28	90	66			67	68	73	52		0.41	-
29	90	67			68	69	90	86		0.46	0.90
30	80	56			69	66	81	69		0.26	-
Tot:										8.89	1.41
Ave:	88	56									

CHAK DAPHAR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	55			63	69	75	60		0.25	-
2	86	56			54	68	54	53		0.31	-
3	88	57			56	69	52	60		0.27	-
4	85	57			63	68	61	50		0.25	-
5	91	60			62	64	55	35		0.30	-
6	98	64			61	68	54	38		0.37	-
7	100	67			68	68	58	35		0.38	-
8	103	74			69	70	50	36		0.39	-
9	104	69			67	63	69	33		0.53	-
10	99	66			69	61	65	32		0.51	-
11	98	68			63	66	53	37		0.31	-
12	99	65			62	58	55	35		0.45	-
13	92	62			61	62	79	84		0.50	0.41
14	74	58			63	56	75	52		0.58	1.72
15	77	59			61	59	67	41		0.23	-
16	87	61			57	57	47	37		0.28	-
17	89	60			58	58	50	39		0.31	-
18	95	60			60	56	48	36		0.33	-
19	89	62			59	57	57	42		0.42	-
20	84	60			62	58	58	35		0.38	-
21	92	63			60	64	46	32		0.35	-
22	101	67			59	70	40	36		0.34	-
23	104	69			61	48	39	17			-
24	100	61			64	45	48	14			-
25	103	64			63	72	46	40			-
26	105	71			68	66	50	31			-
27	107	65			56	68	29	33			-
28	107	66			61	69	36	34			-
29	108	67			63	72	41	38			-
30	106	71			67	75	45	43			-
31	108	78			69	79	50	50			-
Tot:											2.13
Ave:	95	64									

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	74			67	79	41	52			-
2	108	75			71	73	45	36			-
3	109	76			63	71	38	35			-
4	106	75			68	73	45	40			-
5	104	74			61	67	42	33			0.10
6	103	63			62	69	41	32			-
7	106	70			63	69	41	31			-
8	109	67			64	72	40	38			-
9	108	68			59	75	33	38			-
10	109	72			70	73	47	34			-
11	110	78			74	87	46	64			-
12	107	73			65	69	44	34			-
13	107	74			68	73	52	44			-
14	107	76			70	79	51	48			-
15	106	76			73	80	57	48			-
16	108	75			69	78	46	44			-
17	106	76			71	75	49	38			-
18	108	76			73	73	54	34			-
19	110	75			70	77	48	45			-
20	104	76			77	73	56	42			-
21	105	73			73	77	57	42			0.11
22	107	80			76	75	53	40			-
23	113	67			73	73	46	44			0.06
24	101	73			70	81	55	49			-
25	106	76			79	79	64	48			-
26	104	74			71	81	61	53			-
27	103	75			72	80	62	50			-
28	104	76			73	79	65	50			-
29	107	75			73	79	68	52			-
30	110	75			73	72	65	45			-
Tot:											0.27
Ave:	107	74									

CHAK DAPHAR

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	78			78	72	83	43			-
2	107	77			76	74	75	44			-
3	108	77			76	79	63	50			-
4	110	80			79	83	61	56			-
5	110	84			77	86	69	59			-
6	111	81			79	85	61	61			-
7	114	87			79	87	64	64			-
8	113	87			86	87	72	62			-
9											-
10	112	88			87	90	81	72			0.70
11	110	87			87	80	78	70			-
12	95	79			79	80	76	57			1.09
13	101	80			79	81	73	57			-
14	108	84			78	85	79	74			-
15	100	81			81	84	87	71			-
16	100	82			79	81	67	53			-
17	104	83			81	84	74	56			-
18	107	86			84	86	81	61			-
19	104	85			85	85	84	63			-
20	102	82			79	84	73	77			-
21	97	83			81	79	91	96			-
22	87	78			79	82	96	80			0.90
23	92	80			81	83	77	77			0.33
24	98	74			75	77	95	87			2.69
25	84	76			77	78	91	83			0.12
26	87	78			77		79				-
27	95	80			80	81	87	70			-
28	97	79			79	81	91	74			0.34
29	94	78			80	81	91	70			-
30	96	79			80	84	87	69			0.15
31	99	80			81	83	84	63			-
Tot:											6.32
Ave:											

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	82			83	83	77	78			-
2	104	84			84	83	77	63			-
3	105	81			81	82	91	71			-
4	95	82			80	83	70	71			-
5	105	82			83	83	74	68			-
6	104	82			79	83	67	84			-
7	94	79			80	82	96	80			-
8	92	81			81	83	84	71			-
9	103	83			84	83	92	74			-
10	100	82			83	83	84	77			-
11	97	82			81	82	77	55			-
12	105	74			75	77	91	87			1.25
13	86	76			76	79	87	91			-
14	87	78			79	80	83	96			0.18
15	92	76			78	79	95	87			0.47
16	86	77			77	80	79	91			2.96
17	90	78			79	82	91	92			-
18	98	76			76	84	91	92			0.41
19	92	80			80	85	87	92			-
20	98	78			76	82	75	77			-
21	99	78			78	78	79	87			-
22	97	70			73	81	82	80			0.89
23	94	77			77	82	79	71			-
24	99	79			81	82	84	65			-
25	100	77			75	83	75	68			-
26	98	75			73	80	65	62			-
27	100	78			79	82	76	62			-
28	104	78			78	84	73	69			-
29	104	78			79	85	76	69			-
30	105	78			76	81	66	70			-
31	105	77			77	85	63	81			-
Tot:											6.16
Ave:	98	79									

CHAK DAPHAR

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	78			78	83	78	74			-
2	106	78			77	85	72	74			-
3	106	79			77	83	67	71			-
4	106	77			77	81	83	62			-
5	106	77			79	74	76	60			-
6	105	73			73	70	75	61			-
7	104	70			70	73	90	71			0.22
8	86	73			73	81	75	70			0.20
9	97	73			74	79	91	67			-
10	96	75			73	80	62	70			-
11	99	75			75	74	83	78			-
12	93	76			75	76	75	72			-
13	96	77			77	79	83	67			-
14	100	78			78	78	83	69			-
15	100	71			73	76	86	79			0.31
16	87	70			73	77	91	76			-
17	92	70			74	79	86	70			-
18	99	69			72	79	78	67			-
19	100	70			72	78	74	69			-
20	99	71			72	81	68	77			-
21	98	72			75	77	83	67			-
22	100	73			73	76	75	60			-
23	100	73			73	76	82	66			-
24	98	72			71	77	67	76			-
25	101	74			73	50	75	58			-
26	93	63			65	59	72	37			-
27	95	66			69	71	77	56			-
28	98	69			71	78	73	67			-
29	100	71			72	77	78	67			-
30	102	70			71	75	74	65			-
Tot:											0.73
Ave:	99	73									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement. Miles	Evaporation in inches	Rain in inches
1	99	72			71	73	74	68			-
2	98	68			64	69	65	60			-
3	90	65			68	73	81	65			-
4	98	66			64	74	68	65			-
5	98	67			65	71	69	64			-
6	99	68			67	69	77	60			-
7	99	67			66	68	81	58			-
8	100	66			64	71	72	58			-
9	100	67			64	69	65	55			-
10	99	67			63	68	61	55			-
11	99	66			65	63	65	50			-
12	95	66			63	72	68	58			-
13	95	66			64	73	72	68			-
14	95	66			63	76	72	72			-
15	96	64			63	63	80	68			0.55
16	91	62			62	71	84	74			0.11
17	88	60			63	72	84	71			-
18	90	61			64	72	85	68			-
19	91	60			65	75	89	72			-
20	92	63			66	69	90	58			-
21	93	61			65	69	80	55			-
22	96	65			64	74	68	71			-
23	94	66			65	74	76	75			-
24	92	65			66	72	80	71			-
25	95	63			65	71	76	67			-
26	95	64			65	71	76	70			-
27	94	66			65	71	85	74			-
28	94	65			62	64	71	72			-
29	90	61			60	68	70	77			-
30	91	61			60	67	63	73			-
31	92	59			59		74				-
Tot:											0.66
Ave:	95	65									

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	60			60	71	70	74			-
2	94	63			63	71	89	70			-
3	93	60			63	71	89	74			-
4	92	60			61	69	84	70			-
5	92	61			60	68	79	66			-
6	91	61			61	65	84	69			-
7	90	57			61	63	89	64			-
8	91	57			60	64	84	68			-
9	92	57			61	65	89	72			-
10	92	58			57	66	74	77			-
11	85	60			61	65	84	72			-
12	88	60			59	61	83	67			-
13	85	56			56	59	73	62			-
14	84	53			55	51	82	56			-
15	86	49			48	53	70	60			-
16	83	51			49	55	70	69			-
17	82	50			50	56	76	65			-
18	82	47			48	56	86	65			-
19	86	52			46	59	56	74			-
20	79	53			53	57	93	74			-
21	80	48			50	55	87	64			-
22	81	48			50	41	81	49			-
23	80	38			39	38	84	64			-
24	82	40			41	49	84	66			-
25	83	39			43	51	85	62			-
26	82	37			41	48	92	65			-
27	82	36			39	48	65	65			-
28	80	39			39	46	84	60			-
29	78	37			41	47	84	65			-
30	76	38			40	48	91	65			-
Tot:											0.00
Ave:	85	51									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	38			41	51	92	71			-
2	77	37			38	53	83	76			-
3	77	26			38	49	91	66			-
4	78	37			36	52	82	71			-
5					45	53	79	72			-
6	77	40			39	50	84	62			-
7	81	40			44	50	92	58			-
8	81	42			42	51	92	66			-
9	76	44			45	55	79	77			-
10	77	45			48	53	93	72			-
11											-
12											-
13	79	41			43	51	92	66			-
14	80	40			44	49	92	61			-
15	81	38			40	46	91	60			-
16	76	37			37	46	83	60			-
17	76	39			41	40	92	35			-
18	80	36			38	50	83	62			-
19	78	39			38	52	76	67			-
20	78	40			41	52	92	71			-
21	77	36			38	48	91	65			-
22	77	37			39	45	91	59			-
23	74	36			35	45	90	59			-
24	72	36			37	46	91	60			-
25	72	36			35	45	90	55			-
26	73	38			37	49	83	70			-
27	73	38			40	48	91	70			-
28	69	36			35	46	90	64			-
29	68	38			40	47	91	61			-
30	70	42			43	44	92	55			-
31	73	40			40	40	91	40			-
Tot:											0.00
Ave:											

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Location	Latitude 25°32', Longitude 69°45', just on the back side of Chhor Railway Station.
Elevation	20 ± ft. msl.
Period of record	The station was established by the Project Director, Project Planning Southern Zone (Old L.I.P) on 27.1.64 and taken over by Surface Water Hydrology Project in December, 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation. Maximum and minimum air temperature thermometers, dry and wet bulb thermometers belong to P.M.S.

CHHOR

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	71	39	61	43	36	41	69	33	25	0.16	-
2	73	34	65	42	33	23	67	18	32	0.16	-
3	70	34	61	40	30	14	72	12	27	0.17	-
4	72	38	61	40	24	37	45	31	37	0.20	-
5	72	40	60	39	28	23	52	16	43	0.20	-
6	74	39	67	42	22	30	32	23	61	0.21	-
7	74	44	60	44	26	21	42	13	55	0.22	-
8	77	48	68	45	29	43	38	29	56	0.23	-
9	80	44	71	46	29	44	45	28	39	0.20	-
10	81	45	73	47	41	58	71	43	16	0.18	-
11	83	48	75	49	41	59	66	51	12	0.20	-
12	83	52			37	61	94	51	34	0.20	-
13	82	42	74	51	38	54	60	54		0.10	-
14	76	34	73	42	35	33	82	21		0.20	-
15	78	38	74	43	37	56	83	46		0.15	-
16	80	40	76	43	36	33	69	20		0.18	-
17	80	38	76	45	34	35	62	21		0.18	-
18	81	38	74	43	39	45	84	30		0.18	-
19	82	40	74	43	26	53	38	40		0.21	-
20	82	42	75	43	36	49	63	34		0.23	-
21	83	43	73	43	29	45	38	30		0.22	-
22	81	43	74	44	33	55	47	39		0.25	-
23	84	44	76	46	33	50	51	33		0.24	-
24	85	42	75	44	35	58	57	39		0.21	-
25	88	46	76	44	45	57	85	40		0.25	-
26	86	52	80	42	63	57	89	42		0.23	-
27	84	45	80	52	38	54	60	43		0.26	-
28	81	42	75	45	34	47	62	30		0.25	-
29	83	38	76	44	30	46	54	33		0.21	-
30			76	44	46	61	74	54		0.21	-
31	82	54	79	51	56	61	82	49		0.22	-
Tot:										6.31	0.00
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	58	81	56	33	46	35	34		0.24	-
2	78	42	79	45	26	24	42	14		0.28	-
3	78	38	74	44	35	43	74	31		0.30	-
4	78	42	75	44	26	36	42	25		0.26	-
5	76	34	73	41	28	31	58	19		0.25	-
6	78	39	75	40	26	15	42	9		0.23	-
7	80	40	76	42	21	37	29	19		0.25	-
8	84	41	76	44	31	31	46	15		0.24	-
9	85	42	76	44	39	33	70	16		0.28	-
10	86	37	80	45	22	42	36	23		0.27	-
11	86	45	79	45	53	58	93	43		0.30	-
12	84	53	79	50	59	63	89	68		0.28	-
13	87	60	84	58	55	54	77	41		0.32	-
14	82	56	80	54	55	45	82	27		0.30	-
15	83	53	82	51	46	50	56	37		0.27	-
16	81	48	79	52	46	51	69	39		0.30	-
17	80	47	78	53	45	52	68	38		0.25	-
18	82	48	80	49	40	51	52	33		0.30	-
19	84	50	82	50	35	37	39	19		0.28	-
20	85	49	83	50	28	42	35	22		0.25	-
21	89	46	84	51	35	39	45	19		0.32	-
22	88	54	84	51	59	49	88	26		0.30	-
23	90	60	87	57	61	55	79	34		0.35	-
24	90	58	86	59	60	53	84	31		0.35	-
25	88	61	84	60	63	60	79	42		0.28	-
26	88	56	86	61	61	42	89	19		0.24	-
27	91	56	88	58	61	50	89	25		0.25	-
28	91	55	89	59	53	42	72	19		0.32	-
Tot:										7.86	0.00
Ave:	84	49	71	50							

CHHOR

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	51	87	58	44	51	51	26		0.35	-
2	92	50	90	55	44	53	51	27		0.30	-
3	95	50	91	56	41	73	46	50		0.35	-
4	98	58	92	56	49	74	58	52		0.30	-
5	97	54	91	57	53	54	76	26		0.35	-
6	99	54	91	58	48	60	65	34		0.30	-
7	94	50	90	57	59	61	88	37		0.25	-
8	98	54	92	59	49	55	58	24		0.30	-
9	100	54	93	59	50	54	62	21		0.31	-
10	103	55	95	58	47	53	44	20		0.45	-
11	103	58	95	61	54	54	60	20		0.30	-
12	105	55	96	61	47	41	49	12		0.35	-
13	105	55	96	60	51	52	56	19		0.40	-
14	105	56	96	63	55	55	73	20		0.35	-
15	106	56	95	62	51	55	59	21		0.35	-
16	107	58	96	63	52	57	50	27		0.35	-
17	100	68			66	66	80	37		0.40	-
18	97	70	92	60	70	63	86	39		0.43	-
19	92	68	87	67	68	63	81	38		0.30	-
20	95	66	76	68	68	62	81	31		0.30	-
21	99	64	72	66	65	59	76	27		0.43	-
22	99	63	71	65	70	66	86	37		0.41	-
23	98	69	75	67	71	63	90	30		0.40	-
24	101	67	77	67	67	62	85	31		0.40	-
25	99	68	85	71	70	63	86	36		0.35	-
26	97	62	89	67	36	49	25	21		0.38	-
27	97	53	80	57	35	51	30	21		0.40	-
28	99	58	82	63	44	62	42	10		0.40	-
29	100	58	80	61	45	54	38	21		0.45	-
30											
31											

Tots

Avgs

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											-
2											-
3											-
4											-
5											-
6	108	71	98	68	46	51	29	16		0.40	-
7	108	68	99	67	61	58	49	20		0.40	-
8	108	68	100	70	64	60	59	21		0.40	-
9	110	70	100	71	67	48	60	14		0.42	-
10	107	70	97	67	67	50	60	15		0.39	-
11	108	71	99	68	68	53	60	20		0.40	-
12	102	71	97	70	70	50	67	16		0.41	-
13	104	72	98	72	71	52	74	17		0.45	-
14	106	72	98	71	72	65	68	26		0.37	-
15	108	71	96	72	73	64	75	32		0.40	-
16	102	71	95	74	70	69	67	37		0.40	-
17	103	70	98	75	69	64	70	29		0.42	-
18	102	74	99	76	73	69	71	37		0.40	-
19	101	73	96	73	73	58	75	24		0.42	-
20	102	74	98	75	73	60	75	29		0.43	-
21	100	69	95	70	68	57	66	25	52	0.40	-
22	100	59	95	62	51	60	41	29	54	0.43	-
23	100	56	95	61	50	59	46	27	48	0.45	-
24	100	60	91	62	52	49	38	15	32	0.50	-
25	106	56	98	63	64	63	61	24	49	0.48	-
26	107	64	98	68	65	61	65	22	46	0.50	-
27	108	68	99	68	68	61	70	26	60	0.52	-
28	104	72	96	68	73	41	75	11	164	0.47	-
29	106	74	95	67	71	66	64	34	149	0.50	-
30	102	64	95	64	57	54	42	21	27	0.48	-
Tots											0.00
Aves											

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	[illegible]	62	97	63	47	55	36	21	97	0.45	-
2	103	72	95	70	73	68	75	36	51	0.43	-
3	101	70	92	65	65		56		24	0.45	-
4	103	71	97	67	77	58	87	20	88	0.40	-
5	107	68	100	71	65	64	56	26	59	0.40	-
6	107	67	99	70	65	68	59	29	88	0.45	-
7	109	66	101	67	78	63	87	24	122	0.50	-
8	108	77	101	74	79		87		147	0.50	-
9	107	78	102	76	76	71	83	32	127	0.50	-
10	108	76	103	75	78	66	83	27	147	0.45	-
11	109	80	102	78	77	71	69	34	113	0.55	-
12	106	79	99	76	75	68	65	29	89	0.50	-
13	108	74	100	70	72	67	68	32	123	0.40	-
14	103	63	95	65	59	37	57	32	68	0.50	-
15	101	68	95	66	57	48	40	17	70	0.50	-
16	102	66	98	69	68	61	60	26	54	0.44	-
17	104	66	97	69	61	50	47	15	50	0.40	-
18	108	73	100	72	75	64	72	22	86	0.40	-
19	112	74	101	76	76	68	72	25	142	0.50	-
20	112	76	103	71	52	59	28	18	60	0.55	-
21	113	76	102	73	71	63	61	23	60	0.50	-
22	110	75	102	72	76	64	79	26	70	0.50	-
23	106	78	99	75	77	71	76	32	277	0.55	-
24	107	78	99	75	79	69	80	28	169	0.50	-
25	110	78	104	77	77	83	76	31	134	0.51	-
26	109	78	101	74	76	72	72	29	165	0.55	-
27	112	78	104	76	77	70	76	31	165	0.50	-
28	109	78	100	76	78	72	83	35	213	0.50	-
29	105	79	100	77	77	71	76	36	266	0.50	-
30	104	80	99	74	81	76	84	41	264	0.50	-
31	105	80	99	78	81	76	84	41	257	0.50	-
Tot:										14.88	0.00
Ave:	107	74							124		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	80	99	78	79	74	80	39	255	0.50	-
2	105	78	99	76	77	75	76	40	209	0.50	-
3	105	78	97	76	77	73	76	39	173	0.50	-
4	104	76	97	78	75	71	75	34	173	0.50	-
5	106	80	100	78	81	64	84	26	132	0.50	-
6	106	78	100	76	77	62	72	23	92	0.50	-
7	109	80	103	78	80	61	76	22	111	0.51	-
8	110	80	102	76	81		84		201	0.50	-
9	106	80	100	77	78	65	73	30	216	0.50	-
10	104	80	99	77	77	65	69	30	236	0.50	-
11	104	80	100	77	79	65	76	30	197	0.50	-
12	104	82	101	78	81	62	84	28	253	0.50	-
13	102	80	100	78	79	65	76	31	203	0.50	-
14	102	78	100	78	77	66	69	34	190	0.48	-
15	100	80	99	78	80	65	96	32	191	0.50	-
16	100	80	99	78	79	70	80	41	218	0.50	-
17	100	82	98	78	81	77	77	49	236	0.49	-
18	100	82	98	78	80	77	76	45	214	0.50	-
19	102	80	98	78	81	80	84	50	180	0.50	-
20	102	81	99	79	81	79	84	46	203	0.50	-
21	104	82	100	79	80	79	76	46	232	0.50	-
22	104	82	103	79	80	76	76	37	231	0.50	-
23	108	82	104	79	80	76	76	38	179	0.50	-
24	108	81	104	80	78	79	73	44	166	0.48	-
25	106	82	103	78	81	79	84	48	230	0.49	-
26	104	82	101	78	81	80	80	48	148	0.48	-
27	104	81	102	79	80	81	76	53	272	0.48	-
28	102	81	99	78	81	78	84	51	220	0.49	-
29	100	80	98	78	79	78	76	51	189	0.50	-
30	100	80	97	78	79	76	76	47	172	0.49	-
Tot:										14.89	0.00
Ave:	104	80	100	78					197		

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CHILYA - 1969

Location Latitude 24°50', Longitude 68°00', nearly ¼ mile left of 6th mile's stone on Thatta-Hyderabad National Highway.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 25.6.1963 and taken over by Surface Water Hydrology Project in December, 1965.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	1.52 inches
Evaporation (Pan)	140.39 inches
Absolute maximum air temperature	108 °F
Absolute minimum air temperature	48 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

CHILYA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	52			38	36	51	28	177	0.27	-
2	70	50			43	32	73	26	122	0.21	-
3	68	48			34	40	52	37	134	0.22	-
4	68	49			33	34	47	29	173	0.25	-
5	68	50			33	32	47	26	217	0.29	-
6	69	52			32	28	40	23	262	0.37	-
7	68	52			35	28	36	21	234	0.28	-
8	72	54			17	42	22	36	207	0.32	-
9	72	54			38	33	51	21	197	0.36	-
10	76	56			46	43	63	29	56	0.17	-
11	78	57			44	54	55	43	75	0.22	-
12	80	60			61	49	89	36	105	0.19	-
13	79	55			28	32	52	23	203	0.32	-
14	72	50			43	40	73	27	81	0.21	-
15					50	43	81	29	76	0.17	-
16	78	54			38	42	51	36	107	0.21	-
17	74	54			38	53	51	40	118	0.25	-
18	80	55			51	36	81	25	70	0.17	-
19	76	57			41	40	53	27	126	0.25	-
20	76	56			41	57	53	55	196	0.29	-
21	76	56			46	40	64	27	184	0.31	-
22	77	56			46	46	64	57	80	0.22	-
23	78	58			51	47	66	31	150	0.30	-
24	80	56			50	45	76	27	68	0.22	-
25					63	56	94	44	124	0.24	-
26	80	64			65	62	89	58	196	0.21	-
27	80	58			32	43	34	29	186	0.29	-
28	78	54			43	40	63	27	56	0.19	-
29	77	54			38	25	47	13	86	0.22	-
30	80	58			61	61	89	54	114	0.23	-
31	81	64			65	58	89	50	188	0.20	-
Tot:										7.65	0.00
Ave:									141		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	63			38	35	38	23	257	0.31	-
2	75	56			41	32	53	23	103	0.24	-
3	72	52			32	43	40	29	146	0.30	-
4	78	55			28	36	32	28	146	0.30	-
5	70	52			35	61	49	25	150	0.32	-
6	74	53			32	33	40	21	36	0.24	-
7	76	54			37	40	41	27	200	0.30	-
8	76	56			28	33	32	21	230	0.40	-
9	76	56			35	34	42	19	226	0.40	-
10	80	50			41	56	61	44	88	0.26	-
11	82	54			57	61	83	51	132	0.22	-
12	80	62			63	54	89	41	146	0.21	-
13	82	60			59	40	88	27	212	0.34	-
14	76	54			46	40	63	27	162	0.35	-
15	77	58			48	43	65	32	230	0.30	-
16	74	56			48	48	65	40	161	0.29	-
17	76	58			55	46	77	34	78	0.18	-
18	76	58			49	43	61	29	83	0.23	-
19	78	59			41	47	46	31	172	0.35	-
20	80	60			46	31	56	14	112	0.30	-
21	86	60			55	45	77	27	68	0.26	-
22	84	62			63	59	89	46	164	0.29	-
23	86	66			67	59	90	46	176	0.25	-
24	84	64			65	62	89	55	216	0.32	-
25	83	66			65	59	89	46	207	0.28	-
26	84	66			66	51	95	30	174	0.21	-
27	88	66			65	59	89	46	183	0.28	-
28	84	67			54	51	57	30	108	0.27	-
Tot:										8.00	0.00
Ave:									156		

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	64			54	51	60	30	110	0.34	-
2	88	66			49	49	51	26	81	0.35	-
3	90	67			39	35	30	12	87	0.36	-
4	96	67			50	51	46	24	72	0.37	-
5	95	64			47	33	49	13	64	0.33	-
6	94	66			67	57	90	33	158	0.35	-
7	92	66			67	52	90	23	192	0.34	-
8	98	64			61	60	79	29	94	0.32	-
9	98	65			63	55	84	24	82	0.27	-
10	98	67			51	54	41	21	89	0.35	-
11	102	68			62	54	76	21	74	0.33	-
12	102	68			62	60	76	29	106	0.37	-
13	102	68			68	64	81	33	147	0.44	-
14	98	68			66	37	80	12	162	0.44	-
15	101	68			60	59	60	31	170	0.50	-
16	100	72			70	67	81	49	208	0.43	-
17	92	70			70	71	81	61	253	0.38	-
18	87	70			68	65	81	53	249	0.34	-
19	84	70			73	69	86	58	272	0.38	-
20	86	68			69	64	90	40	204	0.31	-
21	94	68			69	73	90	62	236	0.36	-
22	90	72			73	70	91	61	252	0.43	-
23	88	74			72	69	82	50	316	0.41	-
24	93	73			72	88	82	96	270	0.35	-
25	92	73			74	83	86	92	254	0.37	-
26					55	89	49	92	228	0.38	-
27					52	93	44	92	132	0.44	-
28					61	52	63	28	87	0.40	-
29					54	87	51	75	93	0.43	-
30	96	70			69	89	86	75	66	0.40	-
31	99	69			52	92	50	82	109	0.39	-
Tot:										11.66	0.00
Ave:									159		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	70			63	103	72	96	96	0.37	-
2	104	72			67	95	73	93	94	0.37	-
3	100	71			70	53	81	29	107	0.41	-
4	95	72			71	65	78	44	283	0.47	-
5	91	76			62	64	52	32	228	0.44	-
6	100	77			67	55	63	20	104	0.38	-
7					65	59	62	30	102	0.41	-
8	104	74			69	57	73	23	133	0.42	-
9	106	74			77	72	91	43	129	0.33	-
10	[illegible]	75			73	72	75	43	173	0.44	-
11	[illegible]	78			76	67	83	41	250	0.50	-
12	[illegible]	76			76	70	83	47	240	0.50	-
13	96	78			69	71	60	39	224	0.51	-
14	100	76			76	72	83	43	184	0.36	-
15	101	76			76	70	83	47	264	0.56	-
16	96	76			73	59	75	31	260	0.49	-
17	94	74			70	55	67	24	221	0.47	-
18	98	72			71	60	70	34	150	0.45	-
19	96	76			77	71	87	51	207	0.48	-
20	94	78			73	63	71	36	270	0.45	-
21	96	72			70	69	33	18	200	0.44	-
22	96	70			70	45	33	17	115	0.55	-
23	97	70			66	55	63	24	99	0.40	-
24	100	71			68	55	66	24	158	0.52	-
25	101	69			65	64	65	36	189	0.55	-
26	100	73			74	54	83	21	181	0.46	-
27	103	75			77	73	91	57	221	0.49	-
28	93	77			73	73	75	57	325	0.47	-
29	92	75			73	50	75	43	278	0.45	-
30	104	70			63	52	67	48	220	0.64	-
Tot:										13.78	0.00
Ave:									194		

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	76			55	58	39	29	220	0.66	-
2	95	73			61	60	47	29	134	0.47	-
3	99	78			76	60	83	29	140	0.45	-
4	100	78			75	57	75	23	191	0.44	-
5	105	77			75	57	75	27	185	0.45	-
6	100	76			73	67	75	43	254	0.50	-
7	95	78			75	71	75	51	286	0.48	-
8	92	80			78	71	83	51	338	0.50	-
9	94	79			77	69	79	42	334	0.47	-
10	96	80			81	77	84	58	356	0.49	-
11	98	80			78	76	83	53	254	0.42	-
12	104	80			77	77	76	58	192	0.40	-
13	97	80			78	44	83	16	276	0.49	-
14	102	70			57	39	40	14	178	0.58	-
15	99	74			53	56	34	26	190	0.64	-
16	98	76			60	48	42	17	98	0.44	-
17	102	76			74	69	71	42	120	0.38	-
18	100	78			78	77	83	58	278	0.51	-
19	98	78			78	76	83	41	274	0.46	-
20	108	76			73	74	75	44	98	0.53	-
21	108	78			75	72	75	43	198	0.50	-
22	100	80			74	75	68	57	310	0.56	-
23	94	82			77	77	72	58	370	0.51	-
24	96	81			79	78	80	64	305	0.47	-
25	98	82			79	75	80	49	281	0.42	-
26	98	81			79	79	80	54	310	0.48	-
27	98	81			79	77	83	58	360	0.52	-
28	94	82			77	78	76	64	436	0.52	-
29	94	82			81	79	84	67	462	0.56	-
30	94	84			80	78	76	64	456	0.54	-
31	94	83			80	77	80	61	452	0.54	-
Tot:										15.38	0.00
Ave:	98	79							269		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	92			80	77	80	53	396	0.51	-
2	95	81			77	70	76	47	324	0.51	-
3	94	80			74	77	65	53	290	0.46	-
4	94	81			79	78	80	49	286	0.46	-
5	100	79			79	71	80	41	196	0.46	-
6	102	82			77	72	76	43	184	0.49	-
7	104	82			81	79	84	61	232	0.48	-
8	97	83			79	77	76	58	340	0.52	-
9	95	82			80	77	76	58	338	0.48	-
10	94	83			79	78	76	64	354	0.53	-
11	92	83			77	77	72	58	356	0.56	-
12	94	82			77	77	76	58	326	0.50	-
13	95	82			77	77	69	58	290	0.52	-
14	95	82			77	78	72	64	258	0.28	-
15	94	83			77	78	69	64	292	0.51	-
16	92	83			77		69		338	0.54	-
17	92	83							342	0.53	-
18	92	84							322	0.53	-
19	94	83							288	0.50	-
20	94	84				83		71	290	0.50	-
21	95	84			78	80	73	65	316	0.47	-
22	96	84	94	81	80	81	80	62	296	0.49	-
23	100	83	100	80	77	79	76	56	254	0.49	-
24	100	82	100	79	79	77	76	51	220	0.48	-
25	100	83	100	79	77	75	72	53	252	0.50	-
26	98	82	98	77	77	76	76	58	300	0.52	-
27	96	82	96	77	77	75	76	57	312	0.53	-
28	94	83	94	78	77	76	76	60	338	0.53	-
29	94	82	96	78	77	76	69	60	280	0.50	-
30	94	83	98	78	77		76		300	0.50	-
Tot:										14.94	0.00
Ave:	96	82							297		

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	83	95	78	76	78	7[illegible]	6[illegible]	286	0.53	-
2	94	83	98	78	79	78	8[illegible]	6[illegible]	226	0.49	-
3	95	82	98	78	77	78	7[illegible]	64	242	0.49	-
4	94	83	97	78	77	77	76	67	254	0.50	-
5	93	83	98	78	77	7[illegible]	76	60	296	0.49	-
6	91	82	95	78	76	76	72	63	324	0.54	-
7	94	82	95	78	77	78	76	64	268	0.48	-
8	94	82	96	78	77	77	76	63	288	0.48	-
9	93	83	95	79	77	76	76	60	312	0.50	-
10	94	82			77	75	76	57	286	0.53	-
11	94	82			77	76	76	60	256	0.49	-
12	94	82			79	78	83	64	250	0.43	
13	94	82			77	79	76	59	234	0.44	-
14	97	83			80	78	80	67	218	0.46	-
15	96	84			80	81	80	67	254	0.42	-
16	100	85			80	79	76	67	222	0.36	-
17	94	84			77	76	72	63	3[illegible]	0.48	-
18	91	83			74	76	68	66	368	0.50	-
19	90	82			76	77	75	69	404	0.54	-
20	91	82			75	77	75	76	420	0.56	-
21	88	81			79	79	91	59	288	0.30	-
22	97	82			80	64	76	96	190	0.26	-
23	99	78			79	78	83	83	143	0.72	1.52
24	90	78			78	73	83	62	193	0.20	-
25	88	80	92	77	76	73	79	62	258	0.38	-
26	91	81	93	78	74	76	68	63	296	0.47	-
27	92	81	93	77	75	73	75	62	336	0.51	-
28	90	80	89	76	75	74	75	68	454	0.56	-
29	88	81	88	76	74	73	75	62	446	0.56	-
30	89	81	90	77	76	77	79	69	326	0.46	-
31	89	80	94	77	76	77	79	69	292	0.46	-
Tot:										14.59	1.52
Ave:	93	82							288		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	80	93	76	74	77	78	76	316	0.48	-
2	88	80	92	77	76	77	83	76	288	0.36	-
3	89	81	92	77	76	75	83	69	280	0.33	-
4	88	80	93	77	76	77	83	76	244	0.36	-
5	87	80			77	77	83	72	234	0.30	-
6	88	80			75	74	79	68	284	0.38	-
7	86	80			76	74	79	68	316	0.36	-
8	89	80			73	75	75	72	288	0.45	-
9	88	80			75	75	79	75	372	0.40	-
10	87	80			73	74	75	75	350	0.42	-
11	83	79			75	74	83	71	258	0.21	-
12	85	78			74	74	83	78	278	0.29	-
13	84	79			74	73	78	65	256	0.22	-
14	86	78	83	76	75	75	83	72	244	0.30	-
15	85	78	90	75	73	74	75	65	286	0.33	-
16	88	79	94	75	74	73	78	68	292	0.44	-
17	86	79	92	75	73	72	75	65	314	0.41	-
18	86	78	89	75	72	73	74	68	304	0.40	-
19	86	78	89	74	73	71	75	61	316	0.42	-
20	87	78	89	74	73	72	75	65	326	0.46	-
21	87	78	88	73	70	70	67	61	328	0.42	-
22	86	78	89	73	72	71	74	61	336	0.43	-
23	88	78	90	74	71	71	70	61	308	0.46	-
24	88	78	92	74	72	7[illegible]	74	68	282	0.44	-
25	88	78	95	75	74	74	78	68	280	0.41	-
26	86	78	94	74	73	74	75	65	276	0.42	-
27	87	77	94	74	74	73	78	62	268	0.40	-
28	89	77	94	74	74	72	78	62	266	0.42	-
29	88	78	93	74	74	73	78	65	286	0.42	-
30	87	79	77	75	74	74	78	68	318	0.44	-
31	87	78	92	75	75	72	79	62	260	0.38	-
Tot:										11.96	0.00
Ave:	87	79							292		

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	77	95	74	72	72	74	62	218	0.41	-
2	88	78	95	74	73	71	75	61	280	0.42	-
3	87	79	91	75	73	72	71	62	312	0.44	-
4	88	78	94	74	74	73	83	62	228	0.39	-
5	90	78	97	74	75	73	83	65	200	0.40	-
6	88	78	93	74	71	71	70	61	278	0.42	-
7	87	77	92	74	71	73	74	57	254	0.42	-
8	90	78	95	75	76	76	79	60	210	0.41	-
9	96	82	99	78	74	75	68	57	184	0.42	-
10	101	80			78	76	83	63	196	0.38	-
11	96	79	100	76	76	73	83	62	175	0.33	-
12	93	78	98	73	72	72	74	65	293	0.40	-
13	86	78	90	73	70	75	67	65	376	0.50	-
14	86	78	89	75	75	70	83	48	388	0.50	-
15	92	75	95	71	67	56	66	29	220	0.36	-
16	98	73	92	69	71	64	78	36	148	0.48	-
17	96	76	97	70	73	73	78	62	122	0.35	-
18	91	75	93	72	73	71	82	58	228	0.40	-
19	88	74	92	71	71	68	82	55	276	0.42	-
20	87	74	92	71	72	73	82	62	244	0.38	-
21	89	75	95	72	72	75	82	63	210	0.36	-
22	95	76	96	72	72	69	78	58	268	0.36	-
23	92	76	94	72	72	72	82	68	322	0.40	-
24	86	76	88	73	74	73	83	68	366	0.44	-
25	86	76	89	73	73	72	82	68	326	0.41	-
26	86	77	90	74	73	72	78	65	278	0.35	-
27	86	75	90	73	73	70	82	61	256	0.32	-
28	86	74	91	72	73	71	82	62	210	0.32	-
29	87	74	92	71	72	63	82	43	210	0.34	-
30	92	76	91	72	71	69	74	60	276	0.43	-
Tot:										11.96	0.00
Ave:	90	77							252		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	77	88	73	72	71	78	67	392	0.48	-
2	86	77	89	74	74	67	87	52	382	0.41	-
3	89	76	91	74	74	69	83	55	256	0.32	-
4	92	76	97	74	75	71	91	49	121	0.27	-
5	94	76	98	73	72	66	71	39	125	0.30	-
6	98	74	96	70	66	60	63	31	104	0.39	-
7	98	75			72	52	68	21	126	0.43	-
8	102	80	95	67	63	56	43	26	93	0.51	-
9	101	75	92	66	54	52	32	23	127	0.57	-
10	100	71	91	64	53	63	33	36	160	0.56	-
11	98	72	90	69	73	68	86	52	196	0.46	-
12	91	76	91	73	74	72	83	59	236	0.34	-
13	88	76	91	73	74	71	83	58	242	0.34	-
14	88	75	92	73	75	72	91	62	198	0.32	-
15	88	74	92	71	74	70	86	48	153	0.30	-
16	92	75	95	72	75	71	91	49	129	0.27	-
17	94	75	96	72	68	60	63	29	91	0.28	-
18	99	75	96	70	72	66	74	37	95	0.36	-
19	100	76	96	69	69	60	67	29	94	0.36	-
20	99	78	92	64	65	57	26	25	118	0.51	-
21	100	80	94	63	52	54	32	23	94	0.48	-
22	102	74	95	67	61	58	51	32	112	0.44	-
23	100	73	89	69	73	67	78	47	186	0.49	-
24	95	72	92	70	74	64	87	36	150	0.32	-
25	96	75	96	71	60	59	48	30	52	0.26	-
26	98	73	93	67	61	54	51	26	72	0.38	-
27	100	72	90	67	70	53	81	30	136	0.44	-
28	93	72	89	67	70	49	81	24	182	0.40	-
29	93	72	86	69	71	54	86	29	180	0.44	-
30	93	71	89	68	70	55	81	28	136	0.38	-
31	95	71	90	66	62	61	58	39	106	0.42	-
Tot:										12.23	0.00
Ave:	95	75							156		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	73	90	68	74	71	86	58	182	0.34	-
2	92	74	90	72	73	72	91	65	214	0.30	-
3	90	71	88	69	73	69	86	55	160	0.24	-
4	92	72	90	69	71	58	86	35	136	0.26	-
5	96	68	90	67	70	62	90	41	104	0.30	-
6	92	72	90	66	62	57	58	33	109	0.33	-
7	93	75	91	67	57	51	47	24	158	0.36	-
8	93	74	89	66	54	51	43	26	111	0.37	-
9	93	73	90	64	52	59	42	37	113	0.36	-
10	90	73	86	65	54	59	46	37	186	0.42	-
11	90	74	87	64	56	59	46	36	147	0.40	-
12	90	69	89	66	61	61	63	39	62	0.30	-
13	94	70	91	66	58	59	56	37	58	0.24	-
14	90	70	88	66	59	59	57	41	86	0.28	-
15	88	71	86	67	68	59	81	37	70	0.26	-
16	91	64	89	65	61	54	63	35	60	0.23	-
17	88	71	87	63	50	54	43	35	102	0.28	-
18	88	67	84	61	45	59	38	41	148	0.40	-
19	90	66	85	62	58	52	66	32	82	0.28	-
20	86	67	83	57	32	43	24	29	184	0.43	-
21	80	65	77	55	37	45	31	32	214	0.48	-
22	79	61	75	54	41	45	43	32	196	0.40	-
23	79	63	76	52	35	46	32	34	264	0.45	-
24	79	62	75	53	35	46	32	34	242	0.45	-
25	78	60	74	53	41	38	41	25	248	0.44	-
26	80	58	76	51	38	39	41	24	103	0.31	-
27	84	60	80	52	57	54	74	41	28	0.19	-
28	81	60	78	53	43	52	44	44	91	0.22	-
29	78	64	73	53	39	49	34	43	196	0.36	-
30	78	64	70	55	39	48	34	40	158	0.34	-
Tot:										10.02	0.00
Ave:	87	68	84 .	61					140		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	62	70	54	41	47	41	37	164	0.28	-
2	80	62	75	54	39	47	36	35	210	0.38	-
3	81	62	76	54	44	41	48	25	182	0.41	-
4	83	62	79	55	51	57	54	42	42	0.20	-
5	89	64	81	59	63	57	89	47	61	0.22	-
6	82	64	78	58	51	51	59	39	110	0.19	-
7	82	61	78	56	56	46	65	29	63	0.20	-
8	84	63	82	57	49	47	54	31	44	0.22	-
9	83	62	81	58	50	46	55	33	70	0.19	-
10	82	61	78	55	49	50	58	39	122	0.28	-
11	81	61	78	55	44	45	45	32	154	0.30	-
12	79	60	76	53	44	48	48	40	180	0.31	-
13	77	56	74	50	41	43	49	32	151	0.30	-
14	77	57	74	51	44	41	55	30	153	0.28	-
15	78	56	75	50	42	44	54	33	129	0.26	-
16	79	58	75	51	40	43	45	32	141	0.26	-
17	79	58	74	51	41	41	46	27	180	0.31	-
18	81	54	75	50	43	40	58	25	96	0.28	-
19	85	55	77	50	56	49	88	26	73	0.22	-
20	80	56	78	53	44	40	51	36	57	0.19	-
21	80	57	77	52	44	65	51	27	68	0.19	-
22	80	60	76	53	44	40	48	31	190	0.30	-
23	79	58	74	51	41	46	46	27	184	0.34	-
24	79	56	74	51	46	46	56	34	180	0.31	-
25	79	58	74	52	46	50	56	34	176	0.30	-
26	80	57	74	51	42	48	50	39	124	0.26	-
27	80	57	76	51	46	48	60	33	119	0.24	-
28	81	56	78	52	42	46	54	38	89	0.22	-
29	79	58	76	53	46	50	56	34	87	0.22	-
30	79	60	76	53	50	50	62	43	161	0.26	-
31	78	60	74	54	46	48	56	40	232	0.30	-
Total										8.22	0.00
Avg.	80	59	76	53					129		

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Location	Latitude 31°45', Longitude 73°48', in soil reclamation farm opposit milestone 36 on Lahore-Sargodha Road.
Elevation	800 ± ft msl.
Period of record	Station transferred from General Hydrology Circle, WASID on 1.2.1962. Data prior to this date available with the said Circle. Since Feb: 1962, data maintained by Surface Water Hydrology Project.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer. Pyrheliometer.
Annual figures	Precipitation 16.35 inches Evaporation (Pan) 100.88 inches Absolute maximum air temperature 112 °F Absolute minimum air temperature 31 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hours period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record.(-)indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langleys	Wind Movement Miles	Evaporation in inches	Rain in inches
1	65	41	65	42	39	45	84	59	282	20	0.11	-
2	64	35	65	39	32	41	73	53	282	19	0.11	-
3	64	32	64	38	32	41	81	53	282	9	0.11	-
4	63	31	63	37	29	40	80	54	268	11	0.08	-
5	63	33	63	38	30	41	80	49	254	11	0.10	-
6			62	42	36	42	82	58	155	16	0.09	-
7	61	40	57	43	38	47	70	69	85	4	0.06	-
8	59	34	55	38	33	51	81	66	240	6	0.04	-
9	65	38	62	44	39	47	84	57	254	9	0.05	-
10	68	41	68	44	39	41	77	49	296	14	0.12	-
11	68	35	67	39	35	41	82	53	198	30	0.16	-
12	63	40	59	46	45	47	79	86	56	21	0.08	0.02
13	56	43	53	44	45	43	45	67	212	25	0.04	0.55
14	57	37	63	41	39		39		226	13	0.06	-
15									226			
16									254			
17	64	42	70	47	40	49	84	58	240		0.07	-
18	68	40	68	46	40	47	91	61	240	9	0.08	-
19	65	40	66	45	38	46	83	56	254	9	0.08	-
20	66	40	66	43	35	41	74	43	268	10	0.09	-
21	67	41	67	43	37	42	76	50	226	22	0.12	-
22	66	40	65	43	40	49	91	58	226	9	0.08	-
23	67	42	67	45	40	48	84	47	254	13	0.11	-
24	71	44	70	47	42	49	78	54	254	17	0.12	-
25	72	50	71	52	49	51	86	66	155	11	0.10	-
26	66	53	64	52	46	56	60	65	198	67	0.13	-
27	71	48	71	51	47	57	86	59	240	48	0.11	-
28	64	41	64	45	41	48	92	53	325	62	0.14	-
29	67	40	68	43	37	43	83	44	311	31	0.14	-
30	68	41	68	46	41	44	92	45	311	10	0.11	-
31	70	43	70	48	41	45	84	39	170	12	0.13	-
Total												
Average												

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in inches
1			58	49	49	46	93	60	311	50	0.09	0.29
2	63	41	62	45	41	44	92	55	339	19	0.12	-
3	63	38	67	42	35	41	74	46	311	32	0.13	-
4	64	38	68	42	37	41	83	46	282	10	0.12	-
5	64	40	68	44	38	44	83	48	325	11	0.09	-
6	66	39	69	44	37	35	83	34	353	19	0.13	-
7	67	37	68	41	35	48	82	53	325	26	0.16	-
8	68	38	69	43	33	41	67	43	367	16	0.14	-
9	68	41	68	44	36	49	69	58	212	32	0.18	-
10	67	43	65	47	41	44	84	45	282	15	0.10	-
11	70	44	70	49	43	50	85	55	311	8	0.11	-
12	71	45	72	50	42	50	78	58	311	8	0.13	-
13	75	48	73	52	50	53	81	87	170	44	0.17	-
14	62	48	64	49	49	55	93	73	325	116	0.07	0.12
15	66	48	70	53	50	55	93	88	198	33	0.10	-
16	67	48	63	54	51	55	93	88	141	40	0.06	0.25
17	60	46	61	48	45	56	85	71	339	31	0.05	0.12
18	67	46	75	49	49	50	93	58	353	9	0.10	-
19	69	43	76	47	42	43	78	47	381	27	0.16	-
20	67	42	72	46	43	45	85	46	381	42	0.18	-
21	70	44	72	51	45	57	85	78	268	38	0.19	-
22	70	47	71	53	48	56	86	61	353	16	0.10	-
23	72	51	73	55	50	57	87	69	212	16	0.17	-
24	74	52	74	55	54	55	88	51	353	12	0.11	-
25	80	53	80	55	54	56	88	61	311	49	0.19	-
26	75	53	78	55	53	55	76	64	367	36	0.17	-
27	75	52	78	54	52	56	93	61	353	59	0.20	0.05
28	76	48	82	52	48	46	86	41	395	21	0.16	-
Tot:											3.68	0.83
Ave:			70	49						30		

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	44	76	49	45	54	85	51	381	32	0.19	-
2	77	49	82	54	50	52	87	42	395	15	0.19	-
3	79	50	83	55	53	61	87	54	395	12	0.18	-
4	81	55	84	56	55	56	88	46	367	9	0.17	-
5	81	53	84	55	53	59	87	51	353	21	0.21	-
6	86	56	86	56	56	61	88	51	353	17	0.21	-
7	86	55	86	56	54	61	88	51	395	15	0.20	-
8	83	57	85	57	56	63	78	53	438	23	0.23	-
9	84	57	87	59	56	60	78	42	395	24	0.23	-
10	87	58	90	60	58	63	78	46	452	11	0.20	-
11	90	60	97	62	59	62	79	37	409	11	0.23	-
12	93	57	93	62	58	69	78	50	409	8	0.24	-
13	92	60	92	63	61	65	84	41	367	12	0.21	-
14	95	58	93	63	61	62	84	41	381	7	0.21	-
15	93	61	94	64	62	68	89	50	367	7	0.20	-
16	91	60	91	65	63	71	80	58	353	8	0.18	-
17	91	62	91	66	63	68	80	55	282	12	0.18	-
18	90	60	88	64	61	62	84	75	212	50	0.22	-
19	75	60	71	59	60	62	84	58	353	75	0.13	0.14
20	81	56	85	58	57	57	88	55	466	62	0.22	0.10
21	76	54	83	56	58	59	83	57	353	40	0.21	-
22	80	60	86	59	61	61	89	67	282	10	0.20	-
23	79	58	79	58	59	62	89	58	480	56	0.16	-
24	80	60	85	59	61	67	79	57	452	40	0.22	-
25	86	64	89	63	64	63	89	75	268	37	0.27	0.28
26	74	53	80	53	55	60	82	63	522	84	0.12	0.28
27	76	51	84	53	55	61	82	51	536	33	0.20	-
28	83	54	88	58	58	59	83	51	551	14	0.22	-
29	84	55	88	59	58	56	78	44	536	20	0.25	-
30	85	58	88	61	59	63	74	47	522	20	0.26	-
31	89	58	85	60	61	61	79	47	424	12	0.26	-
Tot:											6.40	0.80
Ave:	84	57	86	59						26		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	61	92	62	61	62	79	45	494	9	0.24	-
2	92	62	92	63	63	57	72	37	494	21	0.30	-
3	93	55	94	60	56	60	61	42	494	11	0.29	-
4	92	56	93	59	55	58	69	40	508	22	0.30	-
5	87	59	87	59	52	58	50	40	395	51	0.33	-
6	85	62	83	60	53	55	53	30	480	38	0.29	-
7	93	60	94	63	60	57	67	30	508		0.30	-
8	95	61	94	66	63	61	68	35	409		0.31	-
9	97	66	95	68	62	64	58	36	424		0.28	-
10	97	69	95	70	64	64	61	44	339		0.30	-
11	96	70	94	69	61	61	57	44	268		0.31	-
12	89	63	85	63	60	60	63	67	212		0.27	-
13	78	60	75	60	60	56	70	36	536		0.17	-
14	90	63	90	63	58	61	56	39	480		0.31	-
15	94	70	91	66	57	56	47	40	409		0.32	-
16	93	68	85	68	61	64	63	94	113		0.33	0.13
17	75	57	70	58	59	57	74	38	508		0.41	1.97
18	97	60	92	60	52	63	50	50	367	16	0.25	-
19	87	67	87	67	54	57	54	40	296	13	0.23	-
20	86	66	87	63	57	61	69	71	198	52	0.24	-
21	73	56	75	59	53	49	64	34	536	80	0.14	0.15
22	83	53	85	58	48	37	47	19	551	42	0.29	-
23	86	55	87	58	47	38	44	18	536	43	0.36	-
24	90	59	91	60	46	36	43	16	536	21	0.32	-
25	92	60	93	61	48	45	40	19	522	21	0.35	-
26	96	66	96	64	46	45	33	22	466	33	0.42	-
27	96	64	91	66	53	52	45	29	339	28	0.36	-
28	92	63	83	65	59	53	59	31	395	72	0.39	0.03
29	91	60	83	60	56	49	78	45	353	123	0.45	0.05
30	78	58	82	58	55	38	73	21	395	71	0.23	-
Tot:											9.09	2.33
Ave:	90	62	88	63								

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	57	87	57	46	45	41	25	579	68	0.38	-
2	86	58	88	59	52	49	53	29	593	63	0.42	-
3	87	65	90	62	58	49	50	29	268	26	0.32	-
4	89	68	87	67	53	47	40	23	466	28	0.31	-
5	93	70	91	69	60	51	48	24	508	39	0.44	-
6	98	69	97	69	58	50	45	20	522	19	0.43	-
7	101	71	98	71	57	52	37	19	508	20	0.39	-
8	105	74	99	73	59	52	40	19	466	28	0.45	-
9	106	74	100	72	63	53	46	24	480	36	0.47	-
10	102	75			61	55	51	28	409	130	0.70	-
11	97	78	97	72	59	60	53	34	395	58	0.42	-
12	97	72	95	58	62	57	52	33	522	82	0.50	0.04
13	92	67	87	65	60	61	67	71	226	143	0.53	-
14	78	64	75	63	60	58	70	48	579	150	0.20	0.13
15	83	63	86	64	58	46	59	23	551	107	0.39	-
16	89	66	89	64	57	50	47	25	565	60	0.41	-
17	93	67	92	66	56	47	40	20	579	47	0.46	-
18	98	76	97	72	46	49	27	24	438	30	0.46	-
19	97	70	90	67	57	57	47	42	494	129	0.55	0.07
20	86	65	87	64	54	54	41	23	551	62	0.38	-
21	99	72	96	68	57	51	38	19	565	41	0.44	-
22	103	74	98	70	56	50	32	18	551	41	0.50	-
23	105	75	99	68	46	45	23	15	579	69	0.62	-
24	103	70	96	68	48	46	24	13	579	39	0.51	-
25	104	71	98	67	50	45	25	14	565	65	0.60	-
26	107	82	100	73	54	45	26	14	381	37	0.55	-
27	108	76	98	73	56	41	29	11	466	37	0.52	-
28	110	76	102	72	60	41	39	11	452	26	0.55	-
29	110	77	103	73	60	53	31	17	452	18	0.47	-
30	110	79	104	74	65	60	41	21	424	26	0.48	-
31	110	81	104	74	67	65	49	28	424	61	0.61	-
Tot:											14.46	0.24
Ave:	98	71								58		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	82	99	75	63	68	40	29	424	71	0.52	-
2	109	84	103	76	61	57	33	21	480	29	0.53	-
3	108	83	102	75	62	61	41	26	438	53	0.63	-
4	105	76	98	74	57	54	33	20	551	32	0.44	-
5	105	81			58	47	32	16	565	69	0.64	-
6	104	74	100	72	56	45	31	14	607	35	0.53	-
7	106	73	101	70	54	56	26	20	593	24	0.54	-
8	110	78	103	74	63	51	41	16	593	35	0.56	-
9	112	78	103	72	56	45	29	12	565	35	0.58	-
10	112	83	104	76	59	61	28	22	508	27	0.55	-
11	111	86	98	76	55	54	27	21	466	69	0.70	-
12	105	80	93	73	59	55	34	20	480	93	0.66	-
13	107	85	100	76	64	52	40	19	466	50	0.55	-
14	109	85	101	77	57	57	33	21	438	38	0.52	-
15	108	80	98	74	61	57	33	21	466	45	0.54	-
16	109	83	101	76	61	59	35	22	452	56	0.64	-
17	108	84	99	76	63	61	38	22	452	61	0.65	-
18	110	84	100	79	70	62	41	23	466	52	0.61	-
19	112	87	102	78	69	60	40	24	424	60	0.68	-
20	105	84	96	80	68	62	38	21	480	56	0.54	-
21	113	85	105	76	58	55	29	19	409	73	0.72	-
22	109	83	97	74	64	63	35	24	395	80	0.56	-
23	110	73	102	70	62	54	52	20	494	114	0.71	0.12
24			93	70	70	57	47	21	494	70	0.45	-
25	108	83	103	79	67	58	40	20	466	24	0.50	-
26	112	80	104	75	59	58	31	20	466	42	0.56	-
27	110	85			70	64	48	26	480	55	0.58	-
28	108	77	100	72	65	64	56	36	395	131	0.68	0.01
29			98	79	75	63	57	30	424	53	0.42	-
30	103	78	100	73	57	59	37	28	551	81	0.56	-
Tot:											17.35	0.13
Ave:										57		

CHUHARKANA

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	81	97	76	64	59	48	30	339	79	0.57	-
2	98	79	94	76	66	65	47	31	480	55	0.38	-
3	103	83	100	77	69	66	50	29	424	45	0.50	-
4	107	86	103	78	70	68	41	29	494	35	0.54	-
5	107	87	102	78	71	66	51	27	480	72	0.58	-
6	109	86	106	82	71	68	41	27	508	35	0.58	-
7	112	87	106	83	76	67	60	28	466	83	0.64	-
8	109	85	105	82	72	69	59	31	353	76	0.59	-
9	107	84	102	81	73	72	62	38	367	138	0.62	-
10	103	85	100	80	73	75	65	43	353	116	0.51	-
11	103	85	99	81	79	68	67	35	424	91	0.46	-
12	102	84	97	79	76	70	66	36	536	103	0.51	-
13	104	86	103	79	74	51	55	43	409	75	0.52	-
14	103	86	102	81	76	75	60	50	395	85	0.54	-
15	102	77	102	76	80	62	74	54	452	105	0.56	0.38
16	95	78			76	71	66	41	508	64	0.40	-
17	100	84	104	80	78	73	69	40	494	59	0.45	-
18	103	87	106	81	75	72	65	40	381	71	0.52	-
19	102	88	99	83	75	71	55	34	395	64	0.46	-
20	108	85	100	78	77	74	76	44	381	99	0.50	-
21	101	86	99	81	78	77	67	87	85	74	0.37	-
22	94	78	88	79	75	78	69	67	395	100	0.11	0.13
23	97	83	96	80	78	77	64	76	409	86	0.32	-
24	100	76	101	75	73	76	86	75	99	115	0.34	0.08
25	87	75	87	75	75	77	79	83	282	46	0.09	0.82
26	86	78	88	76	76	77	79	67	424	62	0.11	0.61
27	91	80	97	78	77	78	83	64	353	50	0.26	-
28	94	72	99	71	70	78	90	79	325	49	0.25	2.89
29	88	73	90	72	70	75	81	65	184	61	0.71	0.55
30	89	73	92	73	76	76	66	58	480	46	0.18	0.05
31	95	80	105	78	79	77	76	51	452	22	0.30	-
Tot:											13.47	5.51
Ave:	100	82								73		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	83	106	82	74	49	80	77	466	21	0.29	-
2	102	86	106	83	67	44	79	74	438	43	0.38	-
3	101	82	105	79	76	61	77	79	424	67	0.46	-
4	96	82	101	79	76	51	80	77	409	76	0.34	-
5	101	87	105	82	67	54	79	80	339	33	0.36	-
6	100	84	105	80	84	76	81	77	268	79	0.40	-
7	93	78	94	77	87	66	77	76	296	129	0.47	1.21
8			94	77	80	58	79	77	409	25	0.14	-
9	95	84	101	80	80	70	80	81	424	66	0.28	-
10	95	83	102	80	83	80	78	79	198	58	0.31	-
11	88	82	89	79	84	59	81	81	438	53	0.13	-
12	100	75	103	75	90	79	74	76	113	65	0.38	0.16
13	84	77	85	78	87	75	79	74	296	72	0.25	2.88
14	87	79	87	78	79	83	76	76	367	39	0.10	0.16
15	90	78	93	78	91	87	76	78	99	45	0.17	0.32
16	85	78	86	78	91	70	77	80	282	33	0.09	0.06
17	92	80	97	77	87	67	79	79	367	45	0.20	-
18	93	81	97	80	83	76	79	79	254	43	0.21	-
19	90	82	96	80	75	63	75	77	480	31	0.20	-
20	93	82	100	80	72	60	76	76	409	24	0.26	-
21	95	83	101	82	69	54	77	71	494	24	0.30	-
22	95	74	100	72	74	56	70	71	536	55	0.35	-
23	91	77	99	75	79	44	76	69	536	25	0.25	-
24	96	80	103	78	79	50	78	73	409	20	0.30	-
25	97	79	103	78	79	54	77	73	381	21	0.33	-
26	96	77	101	77	56	40	68	69	452	46	0.35	-
27	100	80	103	78	65	36	74	66	466	18	0.35	-
28	100	80	103	79	65	41	74	70	452	19	0.36	-
29	100	80	101	79	68	36	74	68	456	32	0.38	-
30	102	80	103	78	61	36	71	66	466	25	0.39	-
31	102	81	102	80	62	32	73	64	452	17	0.36	-
Tot:											9.14	4.79
Ave:			99	79						44		

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	80	103	80	75	68	65	38	494	17	0.39	-
2	100	79	100	78	72	68	65	38	452	34	0.32	-
3	100	79	98	78	72	64	62	33	480	41	0.37	-
4	100	79	99	78	73	69	65	39	452	39	0.39	-
5	102	80	103	78	74	67	65	38	480	14	0.36	-
6	101	77	102	76	74	72	68	65	466	33	0.42	-
7	103	76	103	74	72	70	74	61	353	60	0.39	-
8	87	72	89	72	70	71	67	54	452	85	0.23	-
9	93	75	94	74	72	67	71	45	480	42	0.30	-
10	93	76	97	76	73	68	71	45	494	39	0.31	-
11	94	74	99	72	70	70	74	86	438	57	0.36	-
12	85	73	90	74	72	76	78	76	424	82	0.18	0.50
13	88	77	93	75	79	78	87	76	311	27	0.15	0.04
14	91	76	96	75	74	75	75	57	480	30	0.18	-
15	94	78	99	78	74	67	87	60	381	46	0.26	-
16	87	72	87	70	71	67	78	49	452	72	0.27	-
17	92	69	94	70	68	61	73	63	466	29	0.30	-
18	95	73	94	70	65	59	62	58	452	27	0.31	-
19	98	71	99	72	68	63	66	39	466	13	0.30	-
20	95	74	97	72	67	66	67	43	466	22	0.33	-
21	94	74	97	74	71	66	70	43	438	24	0.26	-
22	96	74	98	74	71	69	70	46	409	20	0.30	-
23	97	73	97	73	72	67	78	45	438	27	0.31	-
24	95	72	97	72	71	70	74	48	452	39	0.32	-
25	97	75	99	73	74	70	78	55	409	22	0.27	-
26	97	67	99	69	62	70	64	55	424	36	0.36	-
27	97	71	95	70	68	69	73	50	424	9	0.27	-
28	94	73	94	73	69	65	70	42	438	14	0.26	-
29	96	72	95	72	67	60	69	34	395	13	0.29	-
30	98	70	95	71	66	65	69	42	424	23	0.32	-
Tot:											9.08	0.54
Ave:	95	74	97	74						35		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	71	95	71	66	63	69	43	311	37	0.26	-
2	93	71	90	67	58	60	56	46	296	84	0.39	-
3	87	68	85	68	62	69	64	55	296	57	0.29	-
4	94	70	93	70	67	60	73	38	262	14	0.23	-
5	93	71	92	71	67	59	69	37	282	16	0.26	-
6	94	68	91	70	66	59	69	36	325	15	0.25	-
7	96	68	93	70	66	63	69	41	311	13	0.25	-
8	96	68	93	70	65	61	69	40	311	12	0.27	-
9	95	68	93	70	65	65	69	44	325	12	0.25	-
10	94	69	93	70	66	62	69	41	339	14	0.23	-
11	93	70	92	71	64	58	65	39	311	27	0.28	-
12	91	66	90	67	64	60	68	42	325	70	0.32	-
13	91	67	93	66	65	66	72	51	325	29	0.21	-
14	92	70	91	68	57	63	55	47	282	33	0.32	-
15	90	63	89	66	59	51	89	49	184	39	0.33	0.25
16	77	63	75	62	59	67	79	66	226	105	0.18	0.38
17	81	62	84	62	60	61	79	51	325	34	0.15	-
18	84	61	84	63	60	61	70	49	311	30	0.19	-
19	86	61	85	63	63	63	84	50	325	14	0.15	-
20	87	63	87	66	63	62	80	50	282	14	0.20	-
21	90	65	87	64	63	66	80	51	311	24	0.23	-
22	91	6	87	64	62	65	71	51	296	26	0.24	-
23	91	64	88	64	61	65	71	56	282	23	0.24	-
24	88	65	87	65	64	62	76	50	282	16	0.20	-
25	89	65	89	67	63	64	80	53	311	12	0.18	-
26	89	64	89	67	64	70	76	61	311	14	0.18	-
27	91	66	89	67	61	62	71	50	282	12	0.20	-
28	89	68	85	65	62	63	71	53	184	93	0.28	-
29	85	66	79	64	58	64	66	55	296	45	0.16	-
30	90	63	87	62	58	58	70	45	282	36	0.21	-
31	86	63	84	61	57	57	69	42	311	26	0.20	-
Tot:											7.33	0.63
Ave:	90	66	88	66						32		

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	63	84	61	62	58	75	45	296	23	0.21	-
2	90	63	87	61	60	61	79	49	311	11	0.18	-
3	90	63	87	62	61	62	84	50	296	10	0.15	-
4	88	63	86	63	63	59	80	46	268	7	0.14	-
5	88	64	86	64	60	65	79	56	226	6	0.14	-
6	88	62	85	62	57	57	74	47	296	13	0.15	-
7	84	60	84	61	58	59	83	46	311	18	0.17	-
8	87	62	85	62	59	63	74	53	311	14	0.18	-
9	87	61	85	62	60	56	84	44	325	16	0.16	-
10	85	62	85	62	59	60	74	54	198	11	0.16	-
11	84	61	84	61	58	54	78	46	226	15	0.15	-
12	86	62	83	60	54	55	68	49	254	20	0.16	-
13	83	59	81	60	55	54	88	51	254	17	0.16	-
14	80	57	79	57	55	49	88	43	282	18	0.16	-
15	79	51	78	54	57	49	87	43	296	22	0.18	-
16	80	51	77	52	49	49	70	45	296	18	0.18	-
17	79	53	77	54	49	50	70	46	282	17	0.15	-
18	78	51	76	52	49	50	80	46	282	38	0.21	-
19	82	55	78	53	46	51	64	47	240	11	0.15	-
20	79	56	75	57	49	50	70	48	254	26	0.16	-
21	77	54	76	54	46	37	69	33	268	14	0.14	-
22	74	41	72	44	37	34	76	29	311	38	0.20	-
23	75	40	71	44	39	40	77	37	296	28	0.16	-
24	76	41	71	44	38	44	76	42	268	8	0.14	-
25	74	41	70	44	39	41	77	38	254	19	0.14	-
26	76	43	71	45	40	41	84	38	282	7	0.12	-
27	74	41	70	44	37	41	76	38	282	14	0.13	-
28	74	41	71	44	38	43	83	41	296	11	0.13	-
29	73	41	70	44	37	35	76	32	282	12	0.14	-
30	74	41	70	44	38	47	83	49	296	8	0.11	-
Tot:											4.71	0.00
Ave:	81	53	78	54						16		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	70	41	68	44	36	39	75	36	254	19	0.13	-
2	71	41	69	43	36	37	75	35	254	21	0.14	-
3	73	40	68	43	36	47	75	47	254	19	0.14	-
4	74	43	70	46	39	44	65	42	198	16	0.12	-
5	74	45	70	47	39	44	77	45	212	13	0.11	-
6	72	44	69	47	39	44	77	42	226	11	0.10	-
7	75	45	70	47	40	49	77	51	254	17	0.13	-
8	76	45	71	48	42	53	78	60	268	14	0.13	-
9	78	47	73	49	42	50	78	58	240	5	0.10	-
10	76	47	71	49	42	49	78	54	240	12	0.09	-
11	72	45	71	48	41	50	77	58	254	11	0.10	-
12	71	44	70	46	39	43	77	44	254	25	0.13	-
13	71	41	70	44	37	49	83	45	268	11	0.10	-
14	71	41	68	44	35	51	74	52	282	16	0.12	-
15	72	42	69	44	35	45	62	46	212	15	0.12	-
16	70	40	68	44	38	48	83	50	240	9	0.10	-
17	70	42	68	44	35	41	68	41	254	10	0.11	-
18	74	40	68	44	33	45	74	46	240		0.14	-
19	73	40	68	44	36	48	82	50	254		0.12	-
20	74	40	68	44	36	48	82	50	240		0.09	-
21	74	40	68	44	36	50	82	58	240		0.10	-
22	72	39	67	43	35	44	82	48	212		0.07	-
23	70	37	67	43	36	43	82	47	226		0.11	-
24	68	38	66	44	36	43	82	47	198		0.09	-
25	67	38	66	44	35	46	82	56	226		0.11	-
26	67	37	65	44	38	50	91	62	212	10	0.09	-
27	68	40	67	45	37	51	83	66	184	2	0.07	-
28	67	38	66	44	38	48	91	65	212	1	0.06	-
29	65	38	65	44	36	47	82	61	184	2	0.07	-
30	65	40	65	46	38	47	83	57	170	7	0.07	-
31	68	40	66	45	38	43	83	44	212	2	0.06	-
Tot:											3.22	0.00
Ave:	71	41	68	45								

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Location Latitude 26°44', Longitude 67°47', in Agricultural Research Sub-station Dadu which is about 1½ miles from Dadu Railway Station.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.1.1965 and taken over by Surface Water Hydrology Project in December, 1965.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	0.44 inches
Evaporation (Pan)	129.39 inches
Absolute maximum air temperature	120 °F
Absolute minimum air temperature	32 °F

Remarks Annual figures calculated by estimating the day for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

DADU

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	67	38	66	44	28	35	58	42	27	0.08	-
2	70	38	70	44	24	34	45	41	18	0.09	-
3	68	35	67	42	26	38	63	47	19	0.09	-
4	69	38	68	42	27	37	57	43	15	0.11	-
5	70	35	71	42	24	41	55	49	22	0.11	-
6	69	37	71	44	23	47	49	57	19	0.13	-
7	70	38	63	44	21	50	39	55	12	0.10	-
8	74	45	73	46	36	49	58	51	27	0.13	-
9	72	44	71	48	27	50	40	46	21	0.12	-
10			75	49	46	50	74	43	14	0.14	-
11	78	52	78	55	46	54	74	46	15	0.15	-
12	80	50	74	52	41	52	66	53	47	0.15	-
13	80	45	74	52	33	52	51	53	51	0.16	-
14	78	48	75	50	37	51	59	47	26	0.15	-
15	75	32	70	35	22	49	60	43	15	0.13	-
16			72	39	27	47	57	47	29	0.15	-
17	75	40	76	40	31	48	60	47	11	0.16	-
18	76	41	75	40	34	50	68	55	22	0.16	-
19			79	45	41	44	77	33	22	0.18	-
20	78	46	76	45	37	64	64	32	21	0.19	-
21	78	44	76	45	36	39	63	30	21	0.19	-
22	77	43	75	45	36	42	69	36	24	0.18	-
23	78	44	77	50	36	45	63	36	17	0.18	-
24	80	44	78	49	31	51	50	39	27	0.18	-
25	84	45	80	50	36	53	58	47	16	0.19	-
26	85	49	85	53	26	56	31	52	54	0.21	-
27	85	47	85	51	34	54	48	51	54	0.23	-
28	84	45	84	54	28	53	44	47	57	0.20	-
29	83	43	83	48	30	52	49	42	7	0.20	-
30	80	48	75	50	40	55	65	43	42	0.16	-
31	82	46	75	45	36	61	63	51	26	0.18	-
Tot:										4.78	0.00
Ave:			75	46					26		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	45	78	42	28	62	44	55	56	0.20	-
2	86	40	77	44	25	28	46	22	58	0.22	-
3	72	40	74	45	31	54	60	51	33	0.19	-
4	76	40	74	46	30	54	59	57	42	0.20	-
5	72	37	70	42	27	58	57	56	18	0.19	-
6	78	40	77	47	27	48	47	40	16	0.21	-
7	77	40	77	47	20	45	34	36	13	0.19	-
8	70	42	77	48	34	44	62	35	32	0.20	-
9	77	38	77	46	26	48	51	40	23	0.21	-
10	80	43	76	48	35	52	62	44	26	0.21	-
11	80	45	76	49	36	52	58	42	17	0.19	-
12	84	48	84	52	43	45	78	40	17	0.16	-
13	76	46	74	50	35	50	57	43	42	0.07	-
14	78	45	74	50	36	69	58	90	30	0.19	-
15			76	50	48	48	75	40	64	0.20	-
16	78	55	77	53	47	56	65	55	46	0.21	-
17	76	50	78	52	54	50	73	46	33	0.19	-
18	78	45	78	49	37	55	64	49	24	0.20	-
19			80	53	43	56	73	46	16	0.20	-
20	83	46	84	52	25	53	32	38	14	0.22	-
21	86	47	86	53	22	64	32	48	9	0.23	-
22	87	50	82	54	41	59	57	46	38	0.24	-
23	84	56	84	54	49	58	61	43	25	0.20	-
24	88	58	86	62	49	59	61	41	22	0.20	-
25	90	58	94	57	50	58	62	43	21	0.23	-
26	89	55	90	56	52	58	67	48	24	0.22	-
27									24 +	0.14 *	
28									24 +	0.14 *	

Tot:

Ave:

\+ Estimated wind movement.

* Estimated evaporation.

DADU

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					51	67	62	54	22 +	0.14 *	-
2	90	54	88	52	42	67	50	54	27	0.21	-
3	90	55	88	53	44	66	51	56	23	0.20	-
4	92	57	91	60	44	69	51	58	24	0.20	-
5	93	53	92	58	42	72	50	62	23	0.22	-
6	95	52	92	56	46	78	56	91	20	0.23	-
7	94	55	93	64	49	70	70	55	13	0.22	-
8	93	57	94	57	49	75	58	65	13	0.24	-
9	95	60	93	62	58	81	78	51	12	0.25	-
10	102	60	97	64	58	68	66	60	11	0.28	-
11	102	58	98	64	57	68	69	58	7	0.24	-
12	100	64	97	64	59	68	70	55	15	0.25	-
13	102	64	100	65	59	69	70	55	6	0.28	-
14	102	58	96	63	51	65	56	51	5	0.29	-
15	101	59	98	64	61	67	84	54	7	0.28	-
16	100	65	98	59	55	72	51	59	11	0.21	-
17	100	68	93	67	62	73	64	59	23	0.28	-
18	104	68	99	64	62	75	64	63	42	0.31	-
19	105	66	107	70	59	73	59	54	27	0.27	-
20	95	67	93	65	60	67	67	47	16	0.29	-
21	96	65	98	66	63	70	80	53	18	0.30	-
22	97	68	97	67	64	72	76	59	32	0.30	-
23	98	69	97	70	65	65	80	49	22	0.32	-
24	100	70	100	72	64	65	72	46	35	0.33	-
25	97	68	99	67	62	63	64	46	51	0.35	-
26	97	55	99	60	44	61	48	47	41	0.37	-
27	87	57	94	62	51	65	66	56	15	0.35	-
28	94	58	94	60	56	59	73	36	9	0.32	-
29	93	57	96	61	57	59	78	33	9	0.30	-
30	98	62	95	62	55	60	58	31	17	0.34	-
31	98	61	95	63	51	59	49	33	13	0.35	-
Tot:										8.52	0.00
Ave:									20		

+ Estimated wind movement.
* Estimated evaporation.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	62	96	63	50	62	46	34	16	0.35	-
2	100	64	100	67	54	69	51	40	26	0.37	-
3	104	68	102	68	60	71	63	41	78	0.40	-
4	108	70	104	66	64	72	61	43	16	0.40	-
5	101	74	95	68	63	77	61	49	11	0.40	-
6	104	67	103	67	58	60	56	31	14	0.40	-
7	103	71	95	68	63	69	61	39	28	0.43	-
8	106	77	98	70	71	78	70	46	18	0.35	-
9	110	75	98	72	65	77	53	42	31	0.43	-
10	109	75	98	64	68	81	55	51	58	0.42	-
11	107	77	100	74	71	82	64	53	33	0.41	-
12	105	78	100	75	71	79	67	48	68	0.40	-
13	108	73	98	74	65	79	56	48	45	0.43	-
14	107	74	97	71	62	83	50	50	61	0.45	-
15	110	80	102	72	68	78	55	46	75	0.50	-
16	110	79	105	75	73	81	71	49	32	0.51	-
17	106	59	97	62	36	75	25	60	97	0.43	-
18	97	66	97	65	40	85	80	35	26	0.27	-
19			92	67	64	61	59	28	74	0.40	-
20	103	75	100	70	72	67	78	38	50	0.43	-
21	100	70	93	65	65	75	72	43	31	0.38	-
22	106	60	95	64	51	65	52	44	123	0.39	-
23	97	60	96	62	50	66	46	39	24	0.40	-
24	101	66	97	64	47	69	31	42	35	0.29	-
25	104	70	100	64	61	73	51	50	33	0.38	-
26	108	70	105	67	59	59	46	22	69	0.39	-
27	108	77	102	67	60	51	34	16	69	0.64	-
28	110	78	103	69	66	51	43	18	57	0.63	-
29	108	75	105	63	68	55	70	20	60	0.60	-
30	107	67	102	67	57	44	58	18	90	0.62	-
Tot:										12.90	0.00
Ave:			99	68					48		

DADU

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			95	74	59	44	46	23	57	0.49	-
2	90	68	92	64	57	44	42	24	50	0.43	-
3	92	69	91	65	50	45	33	22	74	0.45	-
4	100	62	100	63	61	60	51	31	31	0.46	-
5	102	77	100	64	59	63	41	24	74	0.53	-
6	110	82	102	68	70	68	48	29	67	0.61	-
7	108	74	102	70	67	69	60	30	55	0.57	-
8	109	78	104	76	72	82	65	44	49	0.51	-
9	111	82	102	76	74	82	52	46	50	0.52	-
10	110	80	103	77	70	85	44	46	41	0.53	-
11	115	78	105	78	71	67	56	28	42	0.49	-
12	114	79	105	74	71	67	48	30	136	0.41	-
13	106	78	103	73	43	67	21	34	78	0.50	-
14	102	80	95	65	63	71	53	51	62	0.56	-
15	92	72	95	68	64	55	55	28	37	0.50	-
16	96	71	99	69	64	77	55	47	29	0.45	-
17	104	74	100	70	61	55	47	19	28	0.44	-
18	110	75	105	75	70	59	74	24	66	0.50	-
19	110	74	104	73	66	59	63	23	64	0.49	-
20	110	75	103	72	80	68	46	31	46	0.55	-
21	108	82	105	68	67	69	49	28	30	0.50	-
22	112	82	99	72	77	66	69	25	107	0.59	-
23	112	82	105	74	73	85	57	56	80	0.60	-
24	108	82	99	76	70	84	47	50	58	0.59	-
25	114	80	108	78	66	81	34	41	79	0.55	-
26	112	81	110	78	64	80	33	36	86	0.58	-
27	116	85	111	78	69	83	39	38	126	0.59	-
28	118	90	115	78	71	86	39	42	65	0.65	-
29	116	88	114	76	76	89	51	43	123	0.67	-
30	119	89	115	75	77	93	49	47	155	0.68	-
31	120	91	118	79	87	88	66	44	174	0.82	-
Total										16.81	0.00
Ave:			103	66					72		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	118	85	111	80	77	82	54	39	131	0.80	-
2	116	84	110	79	73	59	50	33	152	0.78	-
3	104	82	103	76	73	85	62	54	94	0.52	-
4	106	80	102	76	73	83	57	50	45	0.50	-
5	110	80	103	78	74	74	60	39	49	0.51	-
6	108	80	106	76	68	86	52	49	56	0.48	-
7	115	84	103	73	59	62	38	19	89	0.52	-
8	117	88	104	74	64	66	36	25	86	0.61	-
9	111	89	103	74	70	63	47	24	70	0.63	-
10	110	88	105	75	71	57	45	16	84	0.62	-
11	116	86	104	75	72	50	45	15	90	0.60	-
12	110	85	102	74	76	48	63	14	43	0.51	-
13	110	82	103	72	65	46	44	14	78	0.50	-
14	110	83	102	71	60	51	31	16	59	0.52	-
15	113	85	105	74	63	52	33	17	90	0.55	-
16	110	80	103	74	70	66	47	25	154	0.57	-
17	112	84	103	78	74	77	52	36	139	0.63	-
18	113	84	102	78	77	73	61	29	130	0.67	-
19	115	84	107	80	78	70	64	26	96	0.65	-
20	115	84	106	80	76	76	60	30	70	0.66	-
21	119	90	106	78	77	76	54	29	52	0.69	-
22	119	90	107	75	77	79	49	33	72	0.68	-
23	120	90	105	78	78	77	59	31	45	0.67	-
24	118	86	104	79	74	74	52	29	99	0.68	-
25	118	90	110	78	60	76	29	29	85	0.69	-
26	120	88	105	75	71	66	41	21	111	0.72	-
27	118	89	109	76	71	67	49	26	57	0.70	-
28	112	90	106	78	74	75	55	34	68	0.61	-
29	112	83	107	77	73	68	50	29	67	0.78	-
30	112	84	108	78	74	63	52	26	70	0.72	-
Tot:										18.77	0.00
Ave:	114	85	105	76					84		

DADU

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			106	79	77	73	69	40	63	0.68	-
2	106	88	109	80	76	73	63	40	71	0.62	-
3	104	84	107	80	79	72	70	37	46	0.60	-
4	106	84	107	80	76	71	63	34	80	0.57	-
5	110	84	105	78	76	70	60	27	133	0.61	-
6	114	84	108	84	78	69	64	32	111	0.62	-
7	108	82	105	76	75	77	57	37	118	0.60	-
8	111	84	105	79	77	78	58	39	137	0.61	-
9	110	86	102	78	78	81	64	41	154	0.60	-
10	111	84	105	78	78	77	64	37	125	0.60	-
11	110	86	108	80	78	71	64	32	98	0.52	-
12	110	82	106	77	75	68	60	31	85	0.51	-
13	110	82	108	75	75	65	57	28	63	0.52	-
14	109	80	104	74	71	62	54	25	36	0.51	-
15	111	84	103	74	73	76	54	47	34	0.57	-
16	108	84	108	79	75	84	57	54	40	0.50	-
17	106	88	105	78	80	97	62	46	121	0.61	-
18	112	84	110	82	77	84	56	48	107	0.66	-
19	110	88	105	82	77	82	58	47	126	0.63	-
20	108	86	105	80	77	81	58	45	84	0.62	-
21			108	80	83	82	71	51	83	0.63	-
22	106	90	103	88	83		71		68	0.54	-
23	104	84	103	80	81	83	84	71	61	0.30	0.34
24	98	83	102	83	77	87	67	69	42	0.36	-
25	102	80	104	82	75	81	65	55	63	0.39	-
26	103	84	106	82	79	77	70	47	60	0.43	-
27	104	80	102	80	73	82	57	51	171	0.57	-
28	106	83	102	78	76	80	58	45	117	0.50	-
29	107		99	79	78	81	73	55	176	0.61	-
30			100	80	78	80	59	48	118	0.56	-
31	106		102	78	80	88	76	57	127	0.51	-
Tot:										17.16	0.34
Ave:			105	79					94		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	80	104	80	73	77	62	42	81	0.50	-
2	107	83	104	80	77	82	69	51	84	0.51	-
3			103	78	77	76	69	47	81	0.50	-
4	103	84	100	79	78	79	69	59	91	0.48	-
5	98	83	102	78	77	75	69	41	92	0.41	-
6	105	84	103	77	77	75	67	43	127	0.49	-
7			100	78	74	76	68	51	113	0.49	-
8	100	84	104	78	77	80	69	62	74	0.43	-
9	97	83	99	78	78	83	79	56	79	0.35	-
10	105	84	104	80	80	81	76	55	65	0.38	-
11	103	80	104	78	75	80	72	50	108	0.44	-
12	104	82	105	78	78	82	83	58	108	0.48	-
13	103	80	106	78	75	79	75	59	98	0.49	-
14	100	82	102	78	77	79	76	56	82	0.40	-
15	101	82	102	78	77	79	76	56	81	0.40	-
16	101	83	102	79	80	76	80	43	101	0.45	-
17			102	77	79	82	87	53	131	0.48	-
18	104	80	103	77	73	82	62	58	109	0.50	-
19	104	82	103	81	77	81	69	55	167	0.53	-
20	104	82	98	76	77	77	72	49	138	0.55	-
21	102	84	100	78	73	74	62	46	137	0.56	-
22	102	82	100	78	74	70	68	48	123	0.53	-
23	103	74	102	70	62	72	45	47	80	0.40	0.10
24	102	79	100	78	76	73	79	42	71	0.50	-
25	103	80	102	79	75	75	75	49	61	0.48	-
26	102	80	100	76	72	74	75	44	65	0.50	-
27	104	80	102	76	74	74	68	44	63	0.39	-
28	105	80	100	77	74	77	68	47	85	0.45	-
29	104	80	101	79	76	80	75	50	71	0.45	-
30	103	80	104	77	76	78	79	49	55	0.42	-
31	104	80	100	78	76	78	75	46	83	0.43	-
Tot:										14.37	0.10
Ave:			102	78					94		

DADU

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	105	81	101	80	77	80	76	50	48	0.45	-
2	104	76	100	76	72	78	71	49	55	0.41	-
3			102	76	76	81	83	57	62	0.40	-
4	102	80	101	76	75	78	79	52	66	0.38	-
5	101	79	102	75	74	78	75	49	67	0.35	-
6	102	76	103	75	72	79	74	52	61	0.34	-
7	103	78	100	74	73	75	75	46	50	0.38	-
8	102	75	102	74	68	74	58	48	86	0.34	-
9	100	82	97	80	77	75	72	48	92	0.38	-
10	100	80	100	78	75	74	72	46	60	0.40	-
11	102	82	100	80	77	77	76	52	50	0.39	-
12	96	72	100	76	64	75	59	46	49	0.36	-
13	102	76	102	76	71	74	64	44	48	0.33	-
14	102	78	100	80	74	69	71	37	66	0.35	-
15			100	74	72	59	82	31	32	0.38	-
16			95	65	56	66	46	37	34	0.33	-
17			95	76	74	68	71	36	72	0.32	-
18			101	78	64	68	48	38	74	0.35	-
19			97	68	70	64	67	33	55	0.39	-
20			97	70	71	60	74	29	46	0.40	-
21			95	68	74	71	78	39	62	0.40	-
22			100	72	62	72	55	43	35	0.37	-
23			100	72	64	69	55	42	52	0.39	-
24			100	70	69	71	60	40	62	0.39	-
25			100	70	68	72	60	47	89	0.40	-
26			99	70	68	72	58	43	67	0.38	-
27			102	74	74	76	83	53	43	0.39	-
28			101	75	68	73	66	50	47	0.35	-
29			102	74	71	69	70	42	48	0.33	-
30			97	68	69	70	64	41	82	0.40	-
Tot:										11.23	0.00
Ave:			100	74					59		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Evapo-Move-ment Miles	Evapo-ration in inches	Rain in inches
1			100	74	71	71	74	41	82	0.41	-
2			103	72	72	66	78	39	64	0.44	-
3			94	74	71	71	74	49	78	0.34	-
4			97	73	73	72	75	47	46	0.32	-
5			99	69	67	74	63	44	46	0.39	-
6			97	67	63	60	53	29	49	0.41	-
7			96	67	62	55	58	25	50	0.37	-
8			94	65	58	69	48	32	87	0.40	-
9			96	75	59	59	46	26	43	0.42	-
10			97	76	62	63	55	30	57	0.41	-
11			96	76	61	66	51	31	74	0.42	-
12			97	76	70	58	67	29	58	0.40	-
13			92	67	68	67	81	41	47	0.38	-
14			95	67	70	73	81	50	31	0.35	-
15			95	72	73	63	78	36	47	0.32	-
16			95	75	65	63	65	43	69	0.33	-
17			90	72	67	69	69	48	54	0.29	-
18			95	74	65	70	65	47	29	0.28	-
19			95	66	71	70	74	48	36	0.29	-
20			97	67	59	70	53	55	29	0.27	-
21			96	68	65	62	69	34	41	0.26	-
22			95	65	62	57	58	27	38	0.29	-
23			92	64	64	56	72	29	36	0.30	-
24			92	64	62	61	71	39	41	0.29	-
25			90	66	68	66	81	37	50	0.32	-
26			92	65	64	62	72	34	30	0.28	-
27	99	68	95	65	59	65	62	35	38	0.29	-
28	100	67	96	63	62	62	71	31	82	0.30	-
29	102	68	95	65	59	65	59	44	42	0.32	-
30	93	65	90	64	59	60	62	42	50	0.22	-
31	92	63	91	67	67	65	90	42	39	0.23	-
Tot:										10.34	0.00
Ave:			95	69					50		

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	65	95	66	61	68	63	45	22	0.24	-
2	95	66	91	69	66	72	80	49	29	0.23	-
3	99	67	96	68	66	71	80	51	21	0.22	-
4	96	68	95	68	66	73	80	54	27	0.21	-
5	95	64	88	65	65	71	85	51	64	0.22	-
6	95	63	91	63	61	64	71	44	35	0.23	-
7	91	61	88	64	61	66	79	47	36	0.21	-
8	92	63	89	63	63	65	80	44	25	0.21	-
9	94	59	90	61	55	63	61	43	42	0.21	-
10	93	58	90	62	50	62	48	50	45	0.20	-
11	88	62	86	64	54	63	60	53	38	0.21	-
12	88	60	86	65	53	61	64	51	33	0.20	-
13	86	60	85	65	48	60	47	48	34	0.21	-
14	87	58	85	64	54	58	60	48	32	0.23	-
15	85	58	86	60	59	58	88	50	26	0.19	-
16	84	58	83	59	56	61	78	51	49	0.18	-
17	87	58	86	60	53	60	68	54	30	0.16	-
18	84	59	82	57	55	61	77	60	77	0.18	-
19	85	56	84	57	48	62	65	71	36	0.19	-
20	82	45	81	45	41	60	66	70	59	0.19	-
21	77	42	75	50	39	54	70	60	38	0.16	-
22	78	44	75	50	41	53	77	60	25	0.14	-
23	75	42	73	46	36	47	69	44	49	0.16	-
24	76	43	73	45	39	45	70	38	19	0.15	-
25	78	44	75	46	39	39	70	30	16	0.17	-
26	82	43	77	48	40	45	84	40	19	0.18	-
27	80	42	75	48	34	50	68	43	10	0.17	-
28	76	44	74	50	35	44	62	35	26	0.18	-
29	75	42	74	49	42	48	92	42	46	0.18	-
30	75	44	74	48	36	54	69	54	30	0.15	-
Tot:										5.76	0.00
Ave:	86	55	83	58					35		

DADU

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	44	74	50	39	52	70	53	18	0.14	-
2	75	43	75	50	39	53	77	53	23	0.15	-
3	76	42	75	48	40	57	77	55	26	0.15	-
4			75	54	47	61	80	51	25	0.13	-
5	85	52	76	55	43	57	63	53	21	0.11	-
6	81	50	78	56	46	56	74	52	27	0.12	-
7	83	51	80	54	41	59	61	57	18	0.11	-
8	84	50	80	56	38	59	60	51	18	0.10	-
9	79	48	76	54	45	56	67	45	23	0.10	-
10	79	47	75	54	46	62	74	46	22	0.10	-
11							46	45			-
12							51	33			-
13					41	60	77	77	82+	0.27*	-
14	78	42	76	48	36	54	91	70	12	0.12	-
15	77	44	75	48	32	52	61	77	9	0.11	-
16	75	43	74	48	36	51	65	64	16	0.11	-
17	75	42	73	46	39	50	74	78	17	0.10	-
18	76	43	75	50	44	60	77	51	13	0.10	-
19	78	43	75	47	36	54	75	47	12	0.09	-
20	78	43	75	48	41	61	84	46	10	0.11	-
21	77	45	76	44	36	54	61	44	11	0.09	-
22	76	42	75	47	37	52	59	44	18	0.08	-
23	74	43	74	48	38	49	64	36	28	0.10	-
24	74	43	73	47	38	54	49	38	18	0.11	-
25	77	45	74	47	40	54	55	74	12	0.10	-
26	77	44	74	47	41	55	93	100	5	0.10	-
27	76	44	75	48	40	53	92	68	6	0.11	-
28	75	45	73	46	40	56	91	53	18	0.10	-
29	74	43	72	44	40	51	44	50	20	0.10	-
30	74	45	72	44	39	53	74	44	26	0.09	-
31	76	46	74	46	39	54	46	46	22	0.10	-
Tot:										3.30	0.00
Ave:									20		

* 3 days evaporation.
\+ 3 days wind movement.

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Location Latitude 34°21', Longitude 72°50', in Faridabad about 1½ miles from Darband.

Elevation 1,400 ± ft msl.

Period of record Non-recording rain gauge station since October 1960 established by Surface Water Hydrology Project. The rainfall data from 1954 to 1958 was also collected by Dams Investigation Circle (defunct). Observatory installed on 24.6.1963 by Surface Water Hydrology Project.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	39.32 inches
Evaporation (Pan)	96.81 inches
Absolute maximum air temperature	115 °F
Absolute minimum air temperature	38 °F

Remarks Annual figures calculated by estimating the day for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

DALBAND

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	44			38	34	70	52		0.10	-
2	65	38			30	31	72	46		0.09	-
3					27	29	47	41		0.10	-
4	68	42			30	29	59	38		0.12	-
5	70	38			31	34	73	52		0.09	-
6					25	37	41	64		0.08	-
7					31	33	46	47		0.07	-
8	64	42			34	38	68	51		0.08	-
9					33	35	67	45		0.11	-
10	70	40			33	37	74	46		0.10	-
11	70	40			25	35	46	45		0.11	-
12					33	27	51	33		0.11	-
13	64	45			39	39	77	77		0.10	-
14	56	38			37	38	91	70		0.05	0.05
15					32	41	61	77		0.08	-
16	70	40			30	37	65	64		0.09	-
17					35	43	74	78		0.13	-
18					39	38	77	51		0.13	-
19	69	42			36	38	75	47		0.12	-
20	72	42			39	37	84	46		0.11	-
21	73	44			32	34	61	44		0.11	-
22					37	38	59	44		0.11	-
23	72	48			37	35	64	36		0.13	-
24					35	33	49	38		0.14	-
25	72	53			38	46	55	74		0.11	-
26	63	50			48	46	93	100		0.09	0.27
27	70	43			41	45	92	68		0.11	0.23
28	70	42			40	41	91	53		0.09	-
29					28	37	44	50		0.11	-
30	65	42			35	38	74	44		0.08	-
31					31	31	46	46		0.08	-
Tot:										3.13	0.55
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	67	38			35	35	90	82		0.12	1.80
2					37	38	83	70		0.11	-
3	66	42			35	40	68	56		0.13	-
4	68	44			35	35	68	45		0.10	-
5	69	42			31	35	60	45		0.10	-
6	71	40			30	35	65	45		0.11	-
7	72	39			25	30	56	33		0.13	-
8	74	40			26	33	42	38		0.17	-
9	72	46			21	32	29	37		0.20	-
10	72	50			27	28	40	29		0.22	-
11	73	51			38	32	60	34		0.18	-
12	75	52			38	49	51	93		0.15	-
13	66	44			39	44	84	92		0.14	1.56
14	54	45			40	47	84	86		0.08	0.47
15					42	48	72	70		0.08	0.08
16	68	48			46	48	92	70		0.08	-
17	60	48			44	46	85	56		0.06	0.54
18	70	44			42	41	92	46		0.08	-
19	71	44			38	40	76	45		0.16	-
20	73	42			36	38	75	41		0.14	-
21					40	47	77	65		0.14	-
22					42	48	67	70		0.16	-
23					45	45	68	63		0.16	-
24	72	52			48	47	86	80		0.13	0.19
25	61	47			45	41	85	41		0.08	0.46
26					46	46	69	60		0.12	0.16
27	70	50			48	45	93	55		0.11	0.77
28	75	50			38	47	60	57		0.16	-
Tot:										3.60	6.03
Ave:											

DARBAND

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	78	53			32	49	37	54		0.17	-
2	75	56			28	50	32	48		0.18	-
3					50	47	52	44		0.12	-
4	78	58			45	52	55	50		0.15	-
5	85	56			44	50	55	43		0.18	-
6	85	60			47	52	61	50		0.18	-
7	80	60			37	52	35	50		0.21	-
8	85	56			46	50	60	39		0.21	-
9	89	57			46	49	60	36		0.22	-
10	92	56			46	48	56	33		0.24	-
11	93	60			47	50	47	37		0.24	-
12	95	58			45	49	55	34		0.24	-
13	96	58			46	47	55	30		0.26	-
14	96	62			44	50	42	33		0.28	-
15	96	64			47	57	49	42		0.28	-
16	96	64			45	52	46	38		0.28	-
17					49	59	45	51		0.32	-
18	92	62			51	54	66	88		0.32	0.24
19	70	56			52	45	87	63		0.13	1.11
20	65	50			47	51	86	49		0.11	0.44
21					49	51	70	49		0.16	-
22	83	59			53	53	82	87		0.20	-
23	66	56			48	59	70	62		0.14	0.14
24					51	52	59	42		0.18	-
25	87	62			59	53	88	53		0.23	0.23
26	81	52			48	51	70	49		0.28	1.22
27	80	55			44	55	55	51		0.22	-
28	84	57			53	60	76	60		0.22	-
29	86	58			54	56	73	52		0.22	-
30	88	58			51	53	71	38		0.21	-
31					55	61	64	49		0.24	-
Tot:										6.62	3.38
Ave:											

DARBAND

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	63			49	54	54	41		0.27	-
2	92	62			45	51	46	35		0.29	-
3	93	60			37	44	33	24		0.32	-
4	94	58			45	48	49	23		0.32	-
5	92	60			49	46	58	29		0.31	-
6	92	61			45	51	46	30		0.27	-
7	95	64			50	50	48	28		0.30	-
8	96	66			53	47	47	25		0.32	-
9	97	70			57	56	58	40		0.31	-
10	95	66			57	64	65	59		0.30	0.10
11					58	56	66	73		0.32	-
12	79	61			53	60	64	60		0.13	0.55
13	83	64			53	54	53	35		0.22	-
14	92	64			54	54	54	41		0.25	-
15	89	64			59	62	83	58		0.23	0.41
16					62	58	84	56		0.23	0.17
17	84	60			49	47	61	35		0.24	0.04
18	86	62			47	51	47	47		0.28	-
19	81	68			47	56	47	82		0.24	-
20	80	61			54	48	77	50		0.21	0.04
21	77	57			47	50	61	46		0.12	0.23
22	83	58			41	43	43	29		0.27	-
23	88	60			45	41	40	31		0.29	-
24	88	60			47	45	49	27		0.40	-
25	90	66			39	41	34	33		0.38	-
26	82	64			45	47	46	35		0.41	-
27					45	46	40	41		0.42	-
28	79	60			53	48	76	38		0.39	0.16
29	86	60			52	51	67	62		0.28	-
30	72	56			53	53	76	68		0.29	0.29
Tot:										8.61	1.99
Ave:											

DARBAND

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	60			45	31	46	28		0.29	-
2	88	61			50	41	55	24		0.30	-
3	91	64			51	53	56	40		0.33	-
4	90	68			40	56	70	40		0.30	-
5	93	69			57	54	49	32		0.34	-
6	98	72			58	56	45	32		0.37	-
7	100	74			54	58	41	32		0.38	-
8	102	75			59	60	53	34		0.40	0.16
9	102	74			62	58	64	48		0.40	-
10	88	70			61	63	63	53		0.36	0.34
11	92	72			59	61	53	39		0.24	-
12	99	70			54	57	46	49		0.36	0.06
13	92	65			57	56	62	65		0.27	0.45
14	80	61			56	56	82	78		0.22	0.31
15	76	60			55	46	69	27		0.19	0.43
16	90	64			52	49	50	29		0.26	0.04
17	92	66			59	57	74	40		0.25	-
18	92	68			56	50	65	42		0.28	-
19	86	67			58	54	70	37		0.29	-
20					59	54	59	29		0.35	-
21	99	72			57	59	53	34		0.39	-
22	100	76			57	59	47	40		0.43	-
23	96	74			51	54	39	26		0.45	-
24	103	76			70	57	33	30		0.54	-
25	106	79			52	53	36	22		0.54	-
26	106	78			54	54	35	23		0.50	-
27	108	78			53	54	34	23		0.50	-
28	109	67			56	58	40	24		0.50	-
29	108	80			58	59	35	24		0.50	-
30	110	80			61	60	36	24		0.48	-
31	111	83			61	70	40	36		0.49	-
Total										11.50	1.79
Avg											

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	84			60	66	42	31		0.54	–
2	110	78			65	64	44	33		0.59	–
3	107	77			42	59	65	34		0.55	0.10
4					60	59	42	42		0.50	–
5	98	75			60	61	48	39		0.58	–
6	105	78			59	61	44	39		0.55	–
7	108	80			61	62	44	34		0.56	–
8	109	79			61	65	42	35		0.52	–
9	110	81			59	63	40	26		0.56	–
10	112	82			77	63	34	26		0.62	–
11	112	86			64	60	44	24		0.68	–
12	108	80			63	63	41	30		0.60	–
13	107	82			63	65	41	30		0.56	–
14	111	84			66	69	43	32		0.62	–
15	111	82			61	68	42	33		0.62	–
16	111	82			62	69	41	31		0.64	–
17	112	84			62	71	37	34		0.66	–
18	112	85			65	76	41	37		0.66	–
19	114	93			69	72	44	35		0.81	–
20	112	86			67	71	49	34		0.66	–
21	114	84			66	80	51	54		0.63	–
22	112	84			69	75	50	43		0.80	–
23	112	79			69	76	60	53		0.60	–
24	105	80			70	80	53	48		0.65	–
25	110	84			72	80	49	47		0.62	–
26	112	84			70	83	48	50		0.64	–
27	113	84			72	77	49	63		0.62	–
28	111	83			72	76	59	58		0.55	0.05
29	103	80			71	78	64	49		0.54	–
30	108	82			69	77	58	61		0.60	–
Tot:										18.33	0.15
Ave:											

DARBAND

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	77			71	79	82	61		0.49	0.41
2					76	82	63	60		0.47	-
3	108	86			76	83	60	56		0.54	-
4	109	88			77	81	61	74		0.52	-
5	111	83			78	85	69	54		0.57	-
6	111	88			79	85	64	56		0.52	-
7	115	90			79	87	61	59		0.62	-
8	112	79			79	88	64	57		0.64	0.06
9	113	76			71	80	86	80		0.54	-
10					75	81	79	59		0.36	0.18
11	104	82			75	80	72	57		0.56	-
12	108	82			75	87	69	66		0.55	-
13	108	84			77	86	72	61		0.56	-
14					81	74	74	86		0.58	-
15	99	76			74	76	87	87		0.62	0.80
16					79	87	80	72		0.62	-
17	105	86			81	87	80	66		0.58	-
18					83	85	74	56		0.57	-
19	110	91			83	88	74	62		0.60	-
20	110	93			85	90	72	72		0.60	-
21	109	90			83	83	77	71		0.53	-
22	101	77			78	80	100	80		0.20	0.30
23					80	75	91	60		0.16	0.24
24	102	76			75	73	95	57		0.35	0.21
25					78	72	83	54		0.28	-
26	98	74			75	76	91	60		0.31	2.10
27	98	78			77	78	95	67		0.32	-
28	100	71			70	71	90	95		0.33	0.41
29					68	71	73	90		0.28	-
30	96	77			72	78	78	64		0.27	-
31					73	80	75	62		0.30	-
Tot:										14.44	4.71
Ave:											

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	82			77	81	76	59		0.38	-
2	105	82			77	82	72	62		0.40	-
3	107	86			77	82	76	60		0.46	-
4	103	83			77	82	79	65		0.44	-
5					80	83	76	68		0.41	-
6	106	87			80	82	76	71		0.48	-
7	103	79			78	79	95	87		0.46	1.72
8	92	79			79	81	96	84		0.13	-
9					81	81	87	80		0.22	-
10	100	77			78	79	100	87		0.16 *	6.20
11	90	74			74	78	100	79		0.11	0.42
12	95	74			76	84	100	92		0.17	0.05
13	97	76			75	77	91	76		0.12	-
14	96	73			71	80	90	80		0.13	0.76
15	92	74			75	76	91	79		0.13	0.07
16	92	77			75	78	91	73		0.12	0.12
17	96	82			79	79	83	70		0.24	-
18	97	77			74	78	91	73		0.26	0.06
19	95	75			73	72	86	71		0.27	0.37
20	94	74			71	73	82	68		0.46	0.64
21	93	72			68	79	73	83		0.25	-
22	95	72			68	72	85	68		0.25	0.41
23	93	73			70	73	81	62		0.21	-
24	96	76			74	73	83	59		0.24	-
25	97	71			69	67	95	57		0.28	0.03
26	95	71			70	69	90	55		0.28	0.12
27					71	70	74	55		0.25	-
28	98	76			71	71	78	56		0.26	-
29	99	78			71	76	64	63		0.28	-
30	101	79			71	76	67	63		0.33	-
31	102	79			69	73	60	54		0.32	-
Tot:										8.50	10.97
Ave:											

* Estimated evaporation.

DARBAND

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	102	78			63	71	53	51		0.41	-
2	103	82			58	73	43	50		0.39	-
3	103	79			65	71	53	49		0.39	-
4	102	74			61	70	54	51		0.42	-
5	103	79			67	69	63	46		0.29	-
6	103	77			64	66	65	56		0.30	-
7	92	74			69	68	73	58		0.17	0.15
8	92	73			60	67	60	54		0.17	-
9	97	72			64	66	68	51		0.27	-
10	98	74			64	68	59	55		0.26	-
11	98	76			69	73	67	59		0.27	-
12	98	80			71	68	64	45		0.32	-
13	101	79			70	68	67	45		0.30	-
14	101	66			66	65	100	65		0.30 *	3.12
15					66	67	90	57		0.29	0.61
16	93	69			66	68	77	58		0.17	-
17	93	70			64	73	76	68		0.20	-
18	96	70			64	72	72	65		0.21	-
19	96	71			64	70	68	61		0.22	-
20	97	70			64	69	76	58		0.26	-
21	98	69			60	66	60	47		0.25	-
22	99	71			63	68	61	52		0.25	-
23	100	74	87	73	65	66	65	56		0.26	-
24	98	70	90	66	59	67	57	54	22	0.27	-
25	97	70	95	68	57	63	58	47	16	0.24	-
26	97	70	95	65	59	61	57	44	29	0.27	-
27	98	69	94	67	61	64	57	48	19	0.26	-
28	98	72	94	68	61	66	57	51	10	0.25	-
29	98	72	94	69	63	65	72	46		0.25	-
30	98	73	95	70	65	64	72	44	7 +	0.24	-
Tot:										8.15	3.88
Ave:											

* Estimated evaporation.

\+ Two days wind movement.

DARBAND

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	66	94	68	63	64	89	59	27	0.24	0.04
2	92	64	88	62	60	61	70	57	28	0.27	1.50
3	92	67	90	65	61	66	71	56	11	0.19	-
4	93	69	91	63	57	57	58	38	51	0.32	0.12
5	93	68	90	63	54	62	51	45	27	0.20	-
6	94	67	90	65	56	65	61	51	23	0.20	-
7	96	67	90	65	58	61	66	42	26	0.26	-
8	96	68	90	65	60	63	67	47	1	0.24	-
9	96	69	90	66	60	63	63	50	0	0.24	-
10	96	70	90	66	60	59	67	44	9	0.26	-
11	94	69	89	67	59	59	70	70	20	0.29	-
12	76	63	70	59	58	64	66	61	68	0.15	0.60
13	90	64	87	62	66	64	90	59	67	0.19	-
14	92	66	88	65	59	65	70	69	20	0.21	0.04
15	88	65	84	63	60	59	84	88	24	0.18	0.08
16	82	62	75	59	59	61	83	71	18	0.07	0.27
17	84	62	83	60	57	63	69	72	18	0.16	-
18	88	62	84	61	57	59	74	59	11	0.18	-
19	89	62	84	60	54	57	68	65	5	0.16	-
20	84	62	77	57	54	51	73	33	39	0.18	-
21	86	59	88	59	53	61	53	60	12	0.20	-
22	88	60	84	60	51	50	49	37	11	0.20	-
23	88	61	85	60	58	55	70	43	8	0.21	-
24	85	61	82	60	52	52	50	38	13	0.20	-
25	88	61	84	60	51	53	52	40	11	0.21	-
26	89	59	84	59	51	52	52	38	9	0.19	-
27	87	61	83	61	53	54	53	68	15	0.22	-
28	77	54	69	56	52	53	71	72	113	0.57	2.03
29	66	57	58	55	50	50	62	46	141	0.14	0.40
30	73	60	73	57	55	59	69	62	61	0.15	-
31	81	56	80	57	53	57	60	55	3	0.22	-
Total										6.70	5.08
Ave:	88	63	84	61					27		

DARBANI

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	82	57	79	57	53	59	64	62	8	0.17	-
2	83	58	81	57	47	57	47	55	12	0.09	-
3	82	57	80	57	49	63	51	75	12	0.11	-
4	83	57	80	57	51	59	62	62	7	0.12	-
5	82	58	82	57	51	46	62	39	11	0.12	-
6	76	59	72	57	56	57	78	58	71	0.16	-
7	79	58	79	58	56	59	65	62	6	0.14	-
8	81	57	79	56	50	59	58	62	10	0.14	-
9	82	57	80	56	50	52	58	50	13	0.16	-
10	81	57	77	56	52	54	67	60	12	0.16	-
11	74	56	69	55	52	57	63	58	7	0.11	-
12	79	59	75	56	49	50	61	55	46	0.13	0.09
13	71	54	70	53	49	51	75	56	51	0.15	-
14	76	51	74	52	49	47	61	44	5	0.11	-
15	76	50	75	50	45	43	63	39	3	0.12	-
16	77	51	73	50	47	48	80	50	8	0.17	-
17	73	48	69	50	45	43	73	41	12	0.12	-
18	73	47	71	47	43	39	78	34	8	0.13	-
19	76	49	71	47	46	49	74	75	24	0.12	0.29
20	60	51	57	50	46	44	69	51	99	0.11	0.41
21	65	49	64	48	47	49	69	66	66	0.13	-
22	70	47	70	47	41	46	66	56	11	0.10	-
23	71	44	69	44	38	44	60	51	6	0.11	-
24	71	47	67	45	40	41	60	43	14	0.11	-
25	75	47	68	44	36	43	53	47	22	0.14	-
26	75	44	68	43	34	40	48	42	13	0.13	-
27	72	42	67	42	36	41	58	46	8	0.11	-
28	72	42	66	42	36	40	58	45	6	0.10	-
29	71	43	66	43	37	38	59	41	6	0.10	-
30	71	43	65	43	40	42	65	50	6	0.09	-
Total										3.76	0.79
Avg:	75	51	72	51					19		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	69	44	64	43	39	41	70	49	12	0.09	-
2	68	41	63	41	36	35	75	36	11	0.10	-
3	71	43	65	41	33	38	51	38	10	0.10	-
4	70	43	64	42	34	40	52	42	6	0.10	-
5	73	47	63	42	37	44	59	51	10	0.09	-
6	72	48	66	43	41	44	66	51	16	0.10	-
7	74	45	68	45	40	41	65	43	9	0.10	-
8	75	48	67	45	38	37	60	33	15	0.11	-
9	77	48	67	45	34	41	48	46	17	0.12	-
10	69	44	65	44	34	40	52	45	6	0.11	-
11	71	45	65	44	38	48	60	65	13	0.11	-
12	72	45	65	43	32	41	40	46	15	0.11	-
13	72	44	65	43	33	42	51	50	12	0.13	-
14	72	44	65	42	31	38	46	41	8	0.12	-
15	72	42	64	41	31	38	46	41	18	0.13	-
16	72	45	64	43	27	38	40	41	11	0.13	-
17	70	44	64	41	34	35	48	34	14	0.12	-
18	73	46	65	42	31	44	42	51	18	0.12	-
19	72	43	64	42	35	47	49	61	15	0.13	-
20	72	42	64	41	35	40	57	45	15	0.12	-
21	71	40	61	40	30	37	54	52	20	0.12	-
22	68	40	59	39	30	34	59	46	12	0.12	-
23	70	38	60	38	33	32	74	34	12	0.11	-
24	68	39	60	39	32	35	66	42	14	0.11	-
25	69	40	60	39	19	35	31	42	22	0.12	-
26	66	39	56	38	27	35	57	42	14	0.11	-
27	67	38	59	38	30	32	59	37	9	0.11	-
28	69	39	59	39	30	37	59	46	5	0.10	-
29	65	43	57	39	39	30	65	30	12	0.10	-
30	65	47	55	44	36	38	58	44	56	0.13	-
31	70	45	56	45	39	44	70	55	11	0.10	-
Tot:										3.47	0.00
Ave:	70	43	63	42					14		

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Location Latitude 27°23', Longitude 68°04', in Agricultural Farm Dokri near Moenjodaro Railway station and about 23 miles from Larkana by road.

Elevation 150 ± ft msl.

Period of record The station was established by Project Director, Project Planning Southern Zone (old L.I.P) on 16.1 ' and taken over by Surface Water Hydrology Project in December, 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	0.45 inches
Evaporation (Pan)	102.49 inches
Absolute maximum air temperature	120 °F
Absolute minimum air temperature	38 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hour on the date shown. Blank space indicates no record. (-) indicates no precipitation.

DOKRI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					33	41	56	41	10	0.10	-
2	69	42			34	38	68	38	11	0.08	-
3	68	38			29	40	64	37	12	0.09	-
4	70	40			28	35	52	30	13	0.10	-
5	72	40			29	41	53	38	9	0.11	-
6					41	44	71	48	12	0.10	-
7	68	44			33	39	56	34	5	0.07	-
8	72	44			36	44	69	45	13	0.11	-
9	70	44			36	36	63	28	11	0.10	-
10					43	47	73	37	10	0.10	-
11					48	41	75	41	10	0.12	-
12	70	48			38	34	51	29	11	0.09	-
13	74	42			36	39	75	34	17	0.10	-
14	75	42			30	35	54	32	15	0.13	-
15	74	40			32	36	66	28	10	0.10	-
16	76	42			34	43	68	39	16	0.12	-
17	72	42			36	45	69	38	13	0.12	-
18	76	46			39	50	70	46	9	0.10	-
19	76	44			36	49	69	51	11	0.13	-
20	74	45			39	55	70	69	13	0.14	-
21	74	46			36	48	58	53	12	0.10	-
22	72	46			41	46	77	34	11	0.10	-
23	78	48			35	50	49	39	10	0.09	-
24	80	49			42	49	72	36	10	0.11	-
25	82	50			43	57	73	55	10	0.12	-
26	79	50			43	43	73	29	19	0.11	-
27	80	44			36	47	69	44	20	0.16	-
28	74	44			38	36	76	25	10	0.11	-
29	77	45			33	42	51	34	9	0.10	-
30	76	48			38	40	60	27	11	0.12	-
31	80	50			43	48	73	40	13	0.13	-
Tot:										3.36	0.00
Ave:									12		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	46			39	45			39	0.20	-
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23	84	56			48	53	65	34		0.15	-
24	88	58			51	56	76	36	17	0.18	-
25	90	58			49	61	58	47	16	0.18	-
26	88	60			53	64	72	48	30	0.21	-
27											
28											
Tot:											
Ave:											

DOKRI

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1										0.20 *	-
2					52	59	81	37	83 +	0.19 *	-
3	90	57			53	51	76	24	13	0.19	-
4	93	58			51	52	62	29	11	0.20	-
5	92	57			47	57	49	33	12	0.20	-
6	94	60			53	52	68	28	22	0.25	-
7	95	61			51	56	66	29	14	0.20	-
8	96	60			55	60	77	34	10	0.18	-
9	98	62			55	57	69	30	11	0.22	-
10	99	63			56	60	65	34	13	0.24	-
11	98	62			49	63	58	36	10	0.21	-
12	102	63			56	59	65	30	14	0.25	-
13	103	62			52	60	53	29	10	0.25	-
14	104	64			54	56	54	26	8	0.22	-
15	102	62			52	55	53	24	12	0.23	-
16	101	66			56	68	65	45	12	0.25	-
17	102	66			54	59	54	31	12	0.21	-
18	104	70			54	71	54	40	25	0.30	-
19	95	67			63	57	80	33	22	0.22	0.06
20	92	68			66	64	80	40	20	0.24	-
21	94	66			60	51	70	24	29	0.28	-
22	95	64			61	55	79	27	31	0.30	-
23	96	68			62	67	71	49	30	0.26	-
24	90	70			61	60	71	34	23	0.22	-
25	93	67			61	54	75	32	37	0.29	0.05
26	90	56			44	39	48	19	20	0.25	-
27	89	54			35	43	32	21	19	0.26	-
28	92	62			49	33	58	13	15	0.22	-
29	94	60			49	38	51	15	13	0.24	-
30	96	62			52	42	53	17	24	0.32	-
31	99	63			51	47	47	20	23	0.33	-
Tot:										7.42	0.11
Ave:											

* Estimated evaporation
\+ Wind Movement of 4 days.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	68			53	55	47	24	16	0.30	-
2	101	68			56	63	52	36	15	0.31	-
3	98	70			55	59	49	26	17	0.30	-
4	106	69			57	54	53	23	22	0.32	-
5	102	68			51	50	39	23	31	0.33	-
6	106	68			56	64	44	40	18	0.28	-
7	96	70			62	55	58	24	23	0.27	-
8	102	70			58	63	48	30	19	0.32	-
9	104	74			62	59	52	25	24	0.35	-
10	105	73			67	68	60	36	43	0.47	-
11	103	76			64	65	59	35	46	0.32	-
12	102	74			62	63	58	36	46	0.44	-
13	94	72			59	60	51	31	35	0.40	-
14	98	70			64	62	59	27	26	0.30	-
15	104	74			65	63	56	33	49	0.46	-
16	100	73			58	36	50	14	35	0.32	-
17	95	60			44	46	42	18	24	0.32	-
18	98	66			52	52	38	19	25	0.34	-
19	104	70			59	60	53	29	48	0.48	-
20	101	72	88	68	63	47	64	23	48	0.40	0.30
21	92	64	95	68	54	53	54	30	28	0.32	-
22	91	63	93	63	48	53	40	27	27	0.30	-
23	95	66	95	62	51	27	41	8	24	0.36	-
24	100	66	96	64	46	48	33	17	26	0.40	-
25	102	68	97	64	52	51	38	18	26	0.42	-
26	106	70	97	65	50	36	33	10	43	0.50	-
27	107	75	100	66	49	71	26	32	42	0.50	-
28	110	80	98	68	59	45	37	12	65	0.62	-
29	110	70	96	65	43	39	29	14	29	0.40	-
30	100	60	96	61	44	66	28	37	31	0.39	-
Tot:										11.24	0.30
Ave:	101	70							31		

DOKRI

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	74	91	62	49	57	36	33	53	0.46	-
2	94	69	92	67	53	61	40	32	30	0.34	-
3	98	72	91	66	56	63	44	30	60	0.56	-
4	102	75	97	68	57	53	40	20	40	0.45	-
5	103	74	100	71	64	52	59	16	30	0.40	-
6	110	76	102	68	51	45	30	12	39	0.51	-
7	110	74	99	69	61	47	47	34	47	0.54	-
8	111	76	101	71	67	57	49	19	47	0.56	-
9	110	80	102	75	71	61	61	20	50	0.48	-
10	112	82	101	74	67	66	49	37	60	0.56	-
11	98	78	91	75	69	62	58	34	29	0.22	0.02
12	102	80	102	74	65	64	46	33	31	0.40	-
13	104	74	100	66	46	68	24	45	48	0.58	-
14	95	75	93	66	58	52	50	28	54	0.42	-
15	93	71	93	68	60	54	48	26	40	0.36	-
16	96	72	96	68	55	51	39	19	21	0.35	-
17	102	72	98	67	53	48	33	14	31	0.44	-
18	108	78	102	69	55	50	30	14	29	0.46	-
19	112	77	101	70	60	49	42	15	35	0.48	-
20	106	74	102	68	56	53	36	18	44	0.52	-
21	106	76	99	68	58	50	39	14	26	0.40	-
22	112	75	102	68	57	52	40	15	30	0.45	-
23	113	76	103	67	50	54	25	18	49	0.58	-
24	108	78	101	75	68	57	52	19	33	0.50	-
25	110	81	104	77	64	61	29	22	26	0.38	-
26	110	78	102	76	63	54	41	15	27	0.44	-
27	116	78	105	74	63	58	36	17	36	0.58	-
28	118	80	102	75	64	63	35	18	53	0.59	-
29	120	81	107	74	69	59	50	17	43	0.60	-
30	118	82	108	76	71	63	51	20	40	0.50	-
31	118	82	103	76	68	61	45	20	56	0.60	-
Tot:										14.71	0.02
Ave:	107	76	100	71					40		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	113	78	104	75	73	62	62	25	76	0.58	-
2	109	79	99	74	69	69	58	32	46	0.60	-
3	108	82	103	76	71	64	61	25	67	0.60	-
4	110	80	105	78	73	68	57	29	32	0.41	-
5	109	81	104	76	73	57	62	18	30	0.42	-
6	110	78	105	73	81	65	40	23	36	0.45	-
7	113	80	104	74	63	59	43	18	41	0.52	-
8	116	78	106	73	67	63	52	20	31	0.48	-
9	115	76	104	75	70	61	55	20	31	0.44	-
10	113	80	105	75	69	55	58	16	34	0.46	-
11	115	78	106	75	73	65	65	24	35	0.44	-
12	112	80	105	77	73	66	62	27	41	0.43	-
13	110	82	105	77	73	64	57	25	58	0.48	-
14	109	82	103	76	76	61	72	22	66	0.52	-
15	108	82	104	77	73	68	62	29	62	0.50	-
16	107	83	104	77	73	69	57	30	63	0.50	-
17	109	82	105	78	76	62	66	23	61	0.65	-
18	109	82	102	76	75	70	65	31	84	0.60	-
19	110	84	106	80	77	57	69	16	76	0.56	-
20	116	83	110	79	77	54	72	14	55	0.50	-
21	117	82	108	79	76	53	66	14	65	0.42	-
22	116	84	110	80	77	58	67	17	64	0.47	-
23	115	83	108	80	78	64	73	22	58	0.44	-
24	113	84	105	81	81	74	84	35	104	0.54	-
25	109	84	109	79	74	57	60	16	42	0.40	-
26	116	84	105	75	69	72	50	29	77	0.60	-
27	114	82	110	77	78	69	68	28	47	0.38	-
28	111	83	108	78	75	74	65	35	71	0.46	-
29	109	85	106	80	78	77	73	42	73	0.42	-
30	106	82	106	77	76	72	63	37	65	0.43	-
Total										14.70	0.00
Ave:	111	81	105	77					56		

DOKRI

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	110	83	107	79	77	72	76	35	81	0.41	-
2	106	82	106	80	78	67	73	28	97	0.50	-
3	108	84	106	80	77	71	67	32	66	0.40	-
4	108	83	106	79	77	74	69	33	93	0.50	-
5	110	82	104	78	75	75	65	34	78	0.51	-
6	111	82	110	73	77	70	69	31	147	0.50	-
7	109	81	105	77	77	74	76	35	104	0.46	-
8	109	82	105	77	74	73	60	32	112	0.54	-
9	110	82	105	78	77	75	69	35	128	0.55	-
10	110	83	105	78	75	75	65	38	129	0.50	-
11	106	82	106	79	77	76	76	38	93	0.46	-
12	108	83	107	78	77	79	76	44	91	0.42	-
13	106	84	108	80	78	71	73	32	44	0.36	-
14	109	85	109	82	79	78	70	42	57	0.38	-
15	108	88	110	85	80	82	74	60	44	0.36	-
16	100	87	100	84	81	74	70	35	55	0.30	-
17	109	84	107	79	77	81	69	41	119	0.50	-
18	110	84	109	80	77	83	69	48	69	0.40	-
19	108	86	108	81	79	79	70	41	76	0.38	-
20	108	84	105	80	77	79	76	44	96	0.46	-
21	106	85	105	81	81	85	70	52	57	0.38	-
22	108	90	108	85	83	81	71	55	32	0.32	-
23	108	82	110	80	78	79	73	70	63	0.38	-
24	100	83	106	81	81	79	84	52	80	0.26	0.02
25	100	82	107	80	77	84	76	60	92	0.42	-
26	100	85	108	82	80	81	76	46	42	0.32	-
27	105	85	110	81	76	79	66	46	70	0.38	-
28	106	84			77	85	69	52	125	0.48	-
29	108	84			78	81	64	55	98	0.50	-
30	100	84			77	79	69	44	37	0.30	-
31	105	81			77	76	76	43	110	0.42	-
Tot:										13.05	0.02
Ave:	107	83							83		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	81			75	78	75	44	87	0.40	-
2	105	82			78	79	83	48	89	0.38	-
3	102	82			75	81	75	55	105	0.32	-
4	100	83			78	78	79	49	70	0.30	-
5	100	82			77	77	76	45	88	0.32	-
6	103	81			74	81	68	55	124	0.46	-
7	102	79			75	78	79	52	115	0.38	-
8	100	82			76	79	72	54	60	0.30	-
9	99	80			76	79	75	50	87	0.35	-
10	102	82			77	77	76	53	56	0.32	-
11	102	80			75	79	75	56	100	0.36	-
12	101	80			75	81	75	55	113	0.40	-
13	100	80			76	80	79	57	106	0.36	-
14	99	81			75	77	79	51	72	0.30	-
15	99	80			75	76	75	47	61	0.32	-
16	100	82			76	77	72	45	67	0.35	-
17	103	80	103	77	74	77	71	49	105	0.42	-
18	101	80	101	76	75	77	75	51	105	0.42	-
19	99	79	99	76	73	73	71	40	84	0.34	-
20	102	78	101	75	75	77	79	51	98	0.38	-
21	100	78	100	76	73	78	71	49	84	0.36	-
22	101	79	101	77	74	79	75	54	58	0.32	-
23	100	79	100	78	75	80	75	57	39	0.30	-
24	100	81	100	79	76	74	75	44	29	0.27	-
25	102	80	102	77	75	71	75	41	64	0.32	-
26	101	78	101	77	75	75	79	49	61	0.32	-
27	100	79	100	77	74	76	71	47	43	0.26	-
28	103	78	103	76	73	75	75	49	58	0.34	-
29	101	78	101	77	75	75	79	46	64	0.34	-
30	100	78	104	76	74	74	75	44	51	0.32	-
31	102	78	104	76	75	75	79	49	48	0.26	-
Tot:										10.59	0.00
Ave:	101	80							77		

DOKRI

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	78	102	76	74	77	75	49	56	0.32	-
2	100	77	104	76	75	74	79	44	56	0.30	-
3	101	77	103	76	73	77	75	49	56	0.28	-
4	100	78	103	76	75	80	79	57	55	0.27	-
5	99	78	104	76	74	75	75	49	45	0.30	-
6	99	76	104	75	73	82	75	60	55	0.28	-
7	99	77	105	75	75	82	79	65	46	0.26	-
8	98	82			78	80	79	62	18	0.24	-
9	99	82	104	82	77	80	76	57	17	0.21	-
10	100	80	105	80	78	75	79	60	14	0.24	-
11	99	81	106	79	77	76	76	46	20	0.26	-
12	102	79	102	77	76	74	79	47	40	0.30	-
13	101	80	103	79	74	68	75	42	26	0.25	-
14	103	80	103	78	75	67	75	38	27	0.30	-
15	100	72	102	71	65	78	65	47	24	0.27	-
16	98	76	98	70	75	78	75	59	20	0.24	-
17	96	80	100	77	75	68	75	38	24	0.21	-
18	102	76	103	75	73	72	75	45	28	0.27	-
19	100	71	104	72	68	67	77	47	24	0.25	-
20	95	72			71	65	82	32	38	0.23	-
21	100	72	98	71	67	68	69	38	31	0.27	-
22	102	77	100	72	70	75	67	46	37	0.30	-
23	100	74	103	73	69	68	73	36	20	0.23	-
24	105	72	102	71	69	64	73	33	42	0.30	-
25	102	74	101	71	69	75	77	46	50	0.25	-
26			100	73	72	66	82	37	53	0.22	-
27	96	74	99	73	72	76	82	60	52	0.25	-
28	96	74	102	74	72	70	78	41	41	0.22	-
29	98	71	100	71	68	62	70	29	32	0.22	-
30	100	70	97	67	65	63	65	30	59	0.33	-
Tot:										7.87	0.00
Ave:									37		

DOKRI

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	72	98	69	69	70	73	41	61	0.28	-
2	100	74	100	72	72	79	82	70	34	0.24	-
3	92	76	98	74	70	75	74	57	27	0.20	-
4	94	74	99	74	71	71	74	49	23	0.20	-
5	96	74	100	73	71	75	70	49	22	0.18	-
6	99	72	97	71	64	69	59	40	33	0.26	-
7	98	70	98	69	62	68	58	42	25	0.23	-
8	100	71	98	68	65	67	69	41	31	0.26	-
9	99	68	100	68	63	66	68	39	13	0.25	-
10	101	69	97	66	66	70	69	47	27	0.24	-
11	99	67	98	65	63	59	64	30	33	0.26	-
12	102	68	97	67	67	68	77	45	24	0.21	-
13	96	70	95	69	66	68	77	45	27	0.20	-
14	94	71	97	71	71	69	78	42	17	0.20	-
15	97	71	95	70	69	61	73	42	29	0.21	-
16	98	72	94	70	63	72	64	59	45	0.26	-
17	91	72	93	71	68	71	77	56	23	0.17	-
18	94	72	96	72	69	71	73	51	18	0.19	-
19	96	70	96	69	67	68	73	45	21	0.18	-
20	96	69	97	67	64	73	68	23	15	0.19	-
21	100	66	94	65	61	61	67	39	23	0.24	-
22	98	64	96	65		65	68	38	16	0.20	-
23	100	65	96	66	64	61	85	39	13	0.18	-
24	100	67	95	67	67	73	77	57	14	0.18	-
25	93	67	94	68	66	59	62	31	19	0.18	-
26	98	66	95	65	59	61	71	36	21	0.18	-
27	96	69	95	65	62	65	80	44	16	0.20	-
28	96	65	95	65	66	62	74	37	23	0.19	-
29	96	64	93	65	59	68	80	58	20	0.17	-
30	90	68	91	68	66	70	80	55	16	0.16	-
31	90	65	92	66	66	67	80	52	10	0.16	-
Tot:										6.45	0.00
Ave:	97	69	96	68					24		

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	66	93	65	66	63	80	43	25	0.18	-
2	94	68	94	66	64	61	72	40	12	0.16	-
3	96	66	94	68	67	64	81	40	19	0.17	-
4	94	66	93	67	66	61	80	39	17	0.17	-
5	95	66	90	65	65	61	76	36	40	0.23	-
6	94	64	89	64	63	59	72	36	34	0.24	-
7	90	64	89	65	61	63	79	46	28	0.16	-
8	93	63	91	64	61	59	79	40	15	0.15	-
9	93	62	90	64	61	65	75	53	10	0.16	-
10	90	64	90	65	63	63	80	50	21	0.16	-
11	90	64	89	64	55	61	74	47	9	0.15	-
12	90	64	88	64	59	63	70	53	20	0.14	-
13	89	63	89	65	63	64	80	55	24	0.14	-
14	87	62	88	63	59	61	74	51	15	0.15	-
15	87	62	88	61	58	62	70	52	14	0.15	-
16	87	61	86	62	59	61	83	54	20	0.12	-
17	87	60	86	61	59	61	68	57	16	0.14	-
18	85	59	84	60	55	55	69	43	18	0.16	-
19	87	58	85	61	49	51	61	39	15	0.14	-
20	83	46	80	50	38	43	60	39	24	0.18	-
21	80	51	77	50	47	45	74	31	19	0.15	-
22	80	49	78	51	43	45	63	36	14	0.13	-
23	79	48	77	50	42	46	58	38	16	0.13	-
24	79	47	77	48	40	48	65	41	11	0.13	-
25	78	44	76	48	42	47	72	44	12	0.11	-
26	81	46	79	47	41	45	71	40	11	0.12	-
27	78	48	75	50	45	49	73	45	14	0.11	-
28	81	48	83	49	40	45	60	38	14	0.11	-
29	78	47	75	50	41	45	71	40	14	0.12	-
30	78	47	76	50	44	46	85	41	13	0.12	-
Tot:										4.48	0.00
Ave:	87	57	85	58					18		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	77	47	74	50	40	47	71	44	10	0.10	-
2	78	49	76	50	43	43	78	37	15	0.11	-
3	78	50	76	50	46	49	69	40	10	0.10	-
4	79	52	75	54	50	52	87	42	23	0.11	-
5	82	54	79	54	51	54	81	46	14	0.11	-
6	80	52	77	55	50	51	87	41	10	0.10	-
7	83	52	80	50	49	54	80	48	11	0.11	-
8	83	53	79	55	49	56	80	52	17	0.11	-
9	81	51	77	54	49	60	86	60	14	0.10	-
10	82	52	78	54	50	59	87	59	12	0.10	-
11	81	52	78	53	50	57	87	55	6	0.11	-
12	81	51	79	54	49	58	86	56	10	0.11	-
13	82	51	80	53	50	59	93	59	14	0.12	-
14	83	52	81	50	50	52	87	44	22	0.13	-
15	82	53	80	51	49	55	80	51	15	0.12	-
16	83	52	79	51	50	50	87	46	19	0.11	-
17	78	48	77	45	42	48	78	42	9	0.11	-
18	77	46	76	51	45	46	85	39	10	0.10	-
19	79	46			45	48	85	40	13	0.12	-
20	78	46	76	49	46	50	92	46	8	0.10	-
21	77	46	76	49	45	45	85	36	17	0.10	-
22	79	47	75	48	41	42	71	34	23	0.13	-
23	78	48	75	58	45	50	85	48	22	0.14	-
24	77	46	74	58	44	46	85	41	8	0.13	-
25	78	48	76	52	46	47	92	44	6	0.12	-
26	76	47	72	50	45	52	85	53	14	0.12	-
27	76	48	72	50	46	48	85	42	17	0.11	-
28	77	46	74	50	46	50	92	46	15	0.11	-
29	79	47	77	49	47	47	93	44	17	0.12	-
30			76	50	46	57	92	94	6	0.11	-
31		48	77	49	44	50	85	48	8	0.10	-
Tot:										3.47	0.00
Ave:									13		

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Location	Latitude 30°11', Longitude 68°34', in the rest house of Irrigation and Power Department.
Elevation	3,560 ± ft msl.
Period of record	Non-recording gauge since 1964, other instruments installed on 22.11.1969; station being operated by Surface Water Hydrology Project.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

DUKI

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23	69	40			27	4	58	9			-
24	68	39	63	36	23	8	51	11	30	0.16	-
25	68	39	62	36	17	7	41	5	32	0.15	-
26	67	36	62	36	22	9	49	12	39	0.17	-
27	66	34	61	36		18	30	19	34	0.16	-
28	65	34	62	36	7	23	25	23	27	0.15	-
29	65	33	60	35	7	18	25	19	58	0.14	-
30	64	32	60	35	2	12	22	15	40	0.14	-
Tot:											
Ave:											

DUKI

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	65	32	60	34	-8	20	14	21	35	0.15	-
2	65	33	61	36	-4	12	16	13	32	0.14	-
3	66	38	62	39	18	23	38	19	35	0.14	-
4	69	42	63	42	29	23	55	19	33	0.13	-
5	70	39	64	41	27	27	49	25	35	0.14	-
6	70	40	64	41	30	29	56	26	30	0.15	-
7	71	39	64	40	18	17	38	15	26	0.14	-
8	70	38	64	39	22	7	45	10	32	0.15	-
9	69	37	65	39	25	18	52	17	42	0.14	-
10	68	36	65	38	21	-2	44	7	37	0.13	-
11											
12											
13	69	36	64	40	-18	-9	38	5	88+	0.28 *	-
14	68	34	62	37	17	-9	41	5	41	0.12	-
15	69	35	63	38	5		24	2	39	0.13	-
16	70	33	64	37	-25		22		49	0.13	-
17	68	32	62	35	9		30	1	29	0.12	-
18	69	34	63	36	13	-9	33	5	42	0.13	-
19	69	34	64	38	15	[illegible]	35	8	41	0.14	-
20	70	36	65	39	19	-20	43	3	42	0.13	-
21	68	34	65	36	16	-6	40	7	36	0.13	-
22	66	31	60	35	12	5	37	11	37	0.14	-
23	64	33	60	35	-18		8		48	0.14	-
24	66	34	61	37	5	-1	24	10	35	0.15	-
25	65	32	60	37	9	18	30	17	34	0.14	-
26	64	33	60	37	-4	9	16	12	39	0.13	-
27	66	32	61	36	-1	4	18	11	37	0.14	-
28	66	33	61	36	11	-14	31	5	44	0.13	-
29	62	31	60	36	5	21	24	22	42	0.14	-
30	64	32	61	43	32	23	62	23	25	0.13	-
31	63	39	60	42	32	3	68	9	31	0.13	-
Tot:										4.09	
Ave:									36		

* Three days evaporation.
\+ Three days wind movement.

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Location	Latitude 25°53', Longitude 67°18'
Elevation	700 ± ft msl.
Period of record	Recording rain gauge since 1960, other instruments installed in August 1969, station being maintained by Surface Water Hydrology Project.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7						94		89			
8			103	76	83	90	96	92		0.44	-
9	98	79	97	77	83	94	96	96	96	0.36	-
10	108	82	101	77	83	90	96	96	101	0.46	-
11	108	70	101	77	82	90	92	96	84	0.41	-
12	108	66	100	76	81	87	96	92	115	0.44	-
13	108	69	96	76	83	92	96	96	104	0.40	-
14	108	70	100	76	81	94	87	89	82	0.43	-
15	108	70	100	77	87	93	92	96	76	0.43	-
16	108	70	104	76	83	93	96	92	61	0.38	-
17	109	75	100	74	79	88	96	92	116	0.48	-
18	108	76	96	74	81	90	96	92	107	0.43	-
19	108	77	97	77	79	90	91	92	125	0.43	-
20	108	77	96	74	79	87	91	92	125	0.44	-
21	108	75	97	73	78	89	91	92	107	0.43	-
22	110	75	99	78	78	90	91	92	103	0.43	-
23	109	75	100	73	79	79	91	96	69	0.43	-
24	107	72	101	73	79	99	96	93	64	0.30	0.06
25	108	74	102	73	79	90	91	92	72	0.42	-
26	107	75	102	73	79	90	96	92	96	0.42	-
27	109	76	100	75	79	90	96	89	94	0.48	-
28	108	75	100	75	79	60	96	31	105	0.49	-
29	108	75	99	75	80	95	96	93	128	0.53	-
30	108	75	101	74	81	95	96	89	94	0.52	-
31	110	75	102	74	79	94	91	89	87	0.48	-
Tot:											
Ave:											

DUREJI

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	75	102	74	79	90	87	72	84	0.58	-
2	108	75	90	74	81	94	96	89	94	0.53	-
3	107	75	80	77	80	97	96	93	87	0.36	-
4	107	80	80	77	80	97	96	93	118	0.36	-
5	107	75	80	77	79	95	91	93	33	0.36	-
6	107	80	80	77	80	99	96	96	103	0.36	-
7	107	74	84	77	80	97	96	93	80	0.52	-
8	110	76	88	75	81	99	96	93	71	0.54	-
9	110	81	92	77	88	99	92	93	70	0.57	-
10	110	80	89	77	84	96	92	89	67	0.58	-
11	111	79	83	78	85	98	96	89	62	0.65	-
12	112	75	85	72	78	93	91	92	78	0.62	-
13	110	75	86	75	78	91	91	89	101	0.40	-
14	110	76	84	74	80	103	96	90	90	0.50	-
15	115	79	86	65	81	99	87	93	108	0.67	-
16	109	72	88	66	78	94	83	89	71	0.56	-
17	110	74	85	65	80	97	96	93	99	0.56	-
18	109	73	90	65	77	92	95	85	72	0.55	-
19	109	69	69	66	75	93	91	92	98	0.51	-
20	108	70	79	79	77	95	100	89	66	0.50	-
21	109	76			79	102	100	90	79	0.47	-
22	108	75			79	97	96	93	67	0.51	-
23	108	73	70	70	79	95	96	89	84	0.50	-
24	110	75	72	72	79	98	96	98	90	0.45	-
25	110	74			80	87	80	92	113	0.42	-
26	110	74			79	90	96	92	84	0.45	-
27	109	74			79		96		78	0.42	-
28	109	72			79	91	96	92	68	0.42	-
29	109	70			77	85	95	84	79	0.42	-
30	109	74			78	89	95	92	96	0.45	-
Tot:										14.79	0.00
Ave:	109	75							83		

DUREJI

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	73	82	72	77	95	95	93	87	0.44	-
2	110	73	73	73	77	91	95	85	87	0.44	-
3	109	75			80	83	96	88	68	0.49	-
4	109	74			79	93	96	89	66	0.43	-
5	110	70			78	95	91	93	43	0.36	-
6	109	69			75	97	95	93	54	0.44	-
7	110	76			73	97	91	93	35	0.44	-
8	109	76			76	97	76	93	36	0.53	-
9	109	76			76	97	76	93	48	0.50	-
10	108	64			70	97	90	96	48	0.50	-
11	110	67	65	64	73	90	95	92	58	0.44	-
12	109	72	68	68	77		95		79	0.42	-
13	109	71			75		75		59	0.41	-
14	110	69	70	70	75	95	95	93	62	0.42	-
15	111	72			76	95	76	93	55	0.42	-
16	110	74			77	95	95	93	42	0.35	-
17	111	74	72	72	79	88	91	92	45	0.40	-
18	111	69			73	95	95	93	43	0.43	-
19	110	66			75	95	95	93	45	0.50	-
20	112	65			73	95	95	93	49	0.42	-
21	111	67	64	64	71	96	95	89	42	0.42	-
22	109	72				99		93	53	0.45	-
23	110	66				93		86	49	0.43	-
24	108	65			73	93	95	93	52	0.52	-
25	107	65			71	89	95	92	59	0.42	-
26	107	64			69	96	95	96	29	0.42	-
27	107	66			69	97	90	96	35	0.44	-
28	108	68	67	64	71	70	95	90	57	0.45	-
29	108	68	65	65	75	69	75	90	57	0.44	-
30	109	64				91		92	51	0.38	-
31	108	62							44	0.41	-
Tot:										13.56	0.00
Ave:	109	69							53		

DUREJI

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	66			71		95		47	0.44	-
2	109	69			75		100		43	0.38	-
3	109	67			71	95	95	93	44	0.35	-
4	109	68			75	91	100	92	49	0.32	-
5	109	67			72		100		37	0.32	-
6	108	62			67		100		41	0.31	-
7	109	63							49	0.31	-
8	108	62			69	84	95	88	43	0.31	-
9	108	61			69	84	95	88	30		-
10	109	70			79	40	91	18	83		-
11	95	60			48	86	50	92	59		-
12	94	60			67	87	100	92	36		-
13	89	62			59	55	74	34	46		-
14	90	68				56		36	38		-
15	86	63			61	53	94	33	54		-
16	96	57				57		38	44		-
17	95	63			57	61	55	44	52		-
18	95	63			53	62	53	52	93		-
19	95	58			52	58	53	43	53		-
20	95	61			47	62	49	58	101		-
21	95	46			41	58	61	50	73		-
22	96	45			46	58	75	56	54		-
23	96	53			51	55	71	49	80		-
24	95	43			45	58	60	56	67		-
25	96	45			53	65	87	59	82		-
26	95	41			43	57	78	40	40		-
27	98	44			43	42	78	27	32		-
28	94	44	52	50	32	52	55	44	29	0.24	-
29			50	48	35		42		59	0.25	-
30	97	54			47		61		61	0.24	-
Tot:											0.00
Ave:									54		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	47			41	35	61	28	40	0.23	-
2	99	54			51	56	71	44	41	0.23	-
3	98	52			43	64	63	59	42	0.23	-
4	98	55			48	68	70	52	17	0.22	-
5	99	55			55	62	82	52	34	0.21	-
6	98	50			46	70	74	61	42	0.23	-
7	99	50			50	61	81	44	24	0.20	-
8	99	49			47	70	74	61	23	0.20	-
9	96	49			49	64	80	25	86	0.20	-
10	98	48			47	61	80	54		0.20	-
11	98	49			45	50	68	87	31	0.20	-
12									68	0.20	-
13						34		63	35	0.20	-
14						58		56	26	0.22	-
15	95	46			49		93		27	0.20	-
16	97	43				58		56	26	0.15	-
17					40	58	91	56	28	0.22	-
18	97	36			42	57	42	58	25	0.20	-
19						58		59	15	0.15	-
20	96	42			41	70	77	61	32	0.22	-
21	98	42			40	58	71	56	20	0.22	-
22	97	43			51	64	71	68	47	0.26	-
23	79	42			37	64	64	68	38	0.23	-
24	80	42			37	67	64	73	34	0.21	-
25	83	45			39	65	65	62	24	0.21	-
26	84	42			22	69	23	70	18	0.20	-
27	84	43			41	66	77	69	20	0.20	-
28	81	43			40	70	84	81	16	0.11	-
29	80	45			45	68	68	85	25	0.15	-
30	76	53			41	41	46	31	55	0.22	-
31	75	49			40	48	65	40	81	0.24	-
Tot:										6.36	0.00
Ave:									34		

\+ Two days wind movement.

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Location	Latitude 24°50', Longitude 67°27', 32 miles from Karachi on Karachi-Hyderabad National Highway.
Elevation	120 ± ft msl.
Period of record	The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 28.9.63 and taken over by the Surface Water Hydrology Project in December, 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 1.04 inches Evaporation (Pan) 142.00 inches Absolute maximum air temperature 104 °F Absolute minimum air temperature 46 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

GAGGAR

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	53	66	48	32	39	43	30	89	0.25	-
2	74	50	68	50	34	40	52	35	55	0.24	-
3	71	47	65	46	26	39	38	34	72	0.23	-
4	70	50	65	47	25	39	32	32	96	0.24	-
5	72	54	68	45	24	34	27	26	155	0.28	-
6	73	58	65	57	19	45	20	40	218	0.32	-
7	72	52	63	57	26	47	31	37	144	0.33	-
8	77	57	68	47	18	24	18	15	163	0.35	-
9	77	55	68	49	32	54	37	43	106	0.32	-
10	81	54	73	51	41	28	53	18	46	0.27	-
11	81	57	72	56	49	61	66	60	39	0.28	-
12	80	60	74	58	49	48	61	38	57	0.25	-
13	80	51	74	50	33	34	47	24	103	0.26	-
14	76	46	71	48	36	48	53	40	38	0.23	-
15	79	50	70	52	40	50	65	43	41	0.20	-
16	77	51	72	51	42	46	72	34	59	0.22	-
17			79	51	42	49	67	40	44	0.21	-
18			72	51	42	35	58	21	62	0.21	-
19	81	56	78	54	37	31	43	12	46	0.23	-
20	80	59	70	53	47	40	61	26	127	0.27	-
21	80	58	70	51	23	29	24	16	129	0.30	-
22	82	56	74	50	37	46	43	29	53	0.27	-
23	82	58	73	53	30	26	26	40	59	0.29	-
24	86	59	75	53	23	54	24	41	52	0.28	-
25	84	60	73	53	49	55	66	49	65	0.25	-
26			76	58	53	52	69	42	120	0.23	-
27	80	52	77	52	33	29	47	17	150	0.26	-
28	78	48	72	50	39	24	65	14	34	0.22	-
29	78	50	70	48	32	37	43	24	55	0.25	-
30			72	51	46	56	60	46	59	0.27	-
31	80	55	75	58	45	57	49	53	121	0.24	-
Tot:										8.05	0.00
Ave:			71	52					87		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	58	76	57	33	38	38	27	172	0.29	-
2	75	50	71	50	36	32	58	27	50	0.26	-
3	74	50	68	48	25	37	32	24	66	0.25	-
4	78	52	72	48	27	26	33	17	76	0.27	-
5	74	46	70	46	19	29	23	17	68	0.24	-
6	78	49	72	44	16	7	23	6	30	0.23	-
7	79	52	72	50	9	7	12	6	64	0.26	-
8	80	60	70	47	21	22	19	12	147	0.30	-
9	81	60	70	48	15	25	15	13	153	0.34	-
10	86	49	76	49	40	45	65	32	57	0.32	-
11			75	51	49	49	66	36	85	0.29	-
12	80	61	77	58	51	50	66	37	102	0.26	-
13			78	57	53	32	60	22	115	0.27	0.03
14	76	51	72	49	40	29	77	16	110	0.30	-
15			74	51	54	40	68	27	152	0.32	-
16	76	55	71	53	45	53	67	47	107	0.30	-
17	75	53	70	52	43	49	58	36	35	0.27	-
18	80	54	80	56	43	44	58	28	48	0.28	-
19	82	56	78	54	40	45	44	27	48	0.31	-
20			76	53	46	42	42	23	52	0.29	-
21	88	57	80	58	54	42	60	27	42	0.31	-
22			78	57	53	46	68	33	93	0.28	-
23	80	63	78	62	55	47	60	30	98	0.30	-
24	84	63	80	63	57	48	64	33	124	0.32	-
25	81	65	80	64	55	49	69	34	117	0.28	-
26	83	62	80	60	55	50	73	31	85	0.27	-
27	86	63	87	60	56	41	73	24	94	0.29	-
28	85	62	87	62	54	49	68	29	78	0.30	-
Tots										8.00	0.03
Ave:			76	53					88		

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	63	88	60	57	42	65	22	49	0.28	-
2	89	64	88	63	53	45	56	22	61	0.29	-
3	92	63	88	50	37	49	35	24	56	0.31	-
4	93	65	89	52	39	47	32	23	52	0.33	-
5	95	64	87	53	32	55	32	34	55	0.33	-
6	91	62	86	53	58	52	78	28	82	0.34	-
7			90	60	63	55	80	30	114	0.32	-
8	92	62	90	60	58	59	78	40	75	0.35	-
9	92	62	92	60	49	54	54	32	56	0.36	-
10	91	65	91	61	45	67	46	47	60	0.34	-
11	100	66	91	58	56	65	65	42	54	0.37	-
12	100	65	92	63	61	60	79	38	60	0.36	-
13	98	65	92	63	58	59	66	33	67	0.36	-
14	96	68	93	64	62	53	71	24	84	0.35	-
15	98	65	91	64	59	69	74	55	92	0.37	-
16			91	63	66	59	80	46	108	0.38	-
17	88	72	86	67	63	67	68	63	132	0.32	-
18	85	70	84	68	61	64	67	55	152	0.31	-
19	84	72	82	62	57	63	55	53	189	0.36	-
20	84	66	83	65	60	68	79	63	105	0.34	-
21	87	66	83	66	65	67	85	60	100	0.28	-
22			86	68	68	72	77	74	150	0.33	-
23	88	74	84	70	69	67	77	54	220	0.36	-
24	90	77	88	68	61	42	54	23	185	0.35	-
25	88	75	86	70	71	73	78	75	174	0.36	-
26	86	70	84	68	52	41	44	17	137	0.37	-
27	93	67	90	60	31	50	18	23	61	0.48	-
28	95	65	92	62	42	43	34	16	68	0.50	-
29	97	65	92	58	38	45	27	17	59	0.48	-
30	99	64	94	58	38	47	25	20	49	0.51	-
31	100	62	93	58	52	55	53	30	53	0.52	-
Tot:										11.31	0.00
Ave:			89	62					95		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	65	90	61	58	58	59	32	53	0.40	-
2	98	69	95	67	66	68	69	50	73	0.38	-
3	96	68	93	65	61	59	60	40	96	0.45	-
4	92	70	90	66	64	64	61	48	121	0.42	-
5	88	75	86	70	64	67	55	47	119	0.39	-
6	100	75	92	71	57	64	42	40	75	0.45	-
7	99	71	96	67	63	57	64	34	63	0.47	-
8	89	72	95	68	65	63	65	39	98	0.45	-
9	97	73	93	69	66	59	69	36	76	0.44	-
10	99	73	97	71	73	61	78	36	71	0.43	-
11	97	78	95	72	71	65	74	49	150	0.45	-
12	95	76	92	73	68	68	66	52	133	0.40	-
13	93	75	91	72	70	69	74	40	130	0.42	-
14	97	75	95	70	71	67	63	47	100	0.45	-
15	99	76	95	72	69	67	70	52	150	0.48	-
16	92	78	90	70	64	63	67	41	186	0.36	-
17	92	72	89	68	62	65	59	42	148	0.38	-
18	98	72	95	69	73	61	58	42	95	0.40	-
19	92	77	90	71	67	63	71	58	149	0.43	-
20	93	77	91	73	59	57	60	33	229	0.48	-
21	92	68	89	64	54	52	53	25	116	0.47	-
22	98	69	93	65	54	52	41	28	82	0.50	-
23	97	68	92	63	64	53	43	24	81	0.48	-
24	100	70	94	67	62	61	65	40	95	0.51	-
25	96	68	94	65	62	61	64	39	101	0.48	-
26	93	72	90	70	63	71	58	56	103	0.41	-
27	100	64	97	71	68	72	66	65	129	0.49	-
28	90	76	89	70	71	65	70	51	206	0.45	-
29	88	73	86	70	65	56	59	29	163	0.42	-
30	104	71	95	66	61	49	54	21	143	0.52	-
Tot:										13.26	0.00
Ave:	95	73	92	69					118		

GAGGAR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	75	90	62	50	47	31	20	138	0.55	-
2	98	73	92	64	56	57	40	33	84	0.50	-
3	95	78	92	70	73	76	75	66	87	0.45	-
4	94	77	91	70	73	70	75	53	94	0.40	-
5	98	76	96	72	71	68	70	50	114	0.45	-
6	94	73	91	69	63	70	53	55	141	0.41	-
7	90	76	90	71	70	67	67	49	183	0.44	-
8	91	78	89	72	71	71	64	56	215	0.40	-
9	94	78	92	71	71	70	67	55	204	0.44	-
10	95	80	91	76	77	77	79	67	197	0.46	-
11	93	80	91	74	75	67	75	43	150	0.44	-
12	99	80	97	77	76	73	75	59	131	0.48	-
13	94	79	92	72	69	47	60	20	165	0.45	-
14	102	69	96	67	60	38	48	15	112	0.50	-
15	100	72	90	65	54	53	37	24	109	0.54	-
16	101	75	96	65	58	51	42	24	80	0.51	-
17	100	74	95	72	69	51	67	54	99	0.52	-
18	95	79	93	75	74	53	71	30	190	0.45	-
19	96	77	94	75	63	48	46	17	160	0.48	-
20	102	78	98	69	74	65	36	38	63	0.54	-
21	100	78	96	70	71	67	64	43	116	0.52	-
22	99	80	97	75	68	65	58	46	212	0.56	-
23	92	80	91	76	73	73	65	59	262	0.52	-
24	94	80	92	74	76	77	75	67	182	0.50	-
25	96	82	94	80	75	73	69	48	200	0.54	-
26	97	80	95	75	75	71	72	54	191	0.50	-
27	95	80	93	72	77	76	79	60	214	0.55	-
28	98	82	96	75	74	75	68	65	286	0.57	-
29	93	81	91	78	75	76	72	66	293	0.54	-
30	94	83	93	77	76	77	72	69	303	0.58	-
31	93	83	91	78	77	77	72	67	313	0.54	-
Tot:										15.23	0.00
Ave:	96	78	93	72					171		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	82	90	78	80	75	91	60	267	0.52	-
2	94	82	92	77	76	72	72	54	232	0.52	-
3	95	81	94	75	55	76	34	63	196	0.53	-
4	93	82	91	68	77	74	76	57	170	0.50	-
5	95	80	93	75	73	71	82	51	104	0.48	-
6	97	78	95	76	74	75	71	60	103	0.45	-
7	96	81	94	78	76	78	72	67	127	0.48	-
8			88	78	77	79	72	70	227	0.45	-
9	94	83	85	77	74	77	68	63	209	0.48	-
10	95	84	95	78	75	78	69	60	245	0.55	-
11	93	83	92	79	75	77	72	67	250	0.56	-
12	95	84	94	77	74	75	65	60	224	0.55	-
13	93	82	92	78	76	73	72	59	197	0.54	-
14	93	82	92	78	74	74	68	57	219	0.50	-
15	93	84	89	78	74	76	65	63	251	0.54	-
16	93	83	93	77	74	73	65	59	277	0.55	-
17	92	82	91	79	77	76	76	63	277	0.50	-
18	94	82	94	79	75	78	69	64	260	0.51	-
19	93	83	93	79	77	77	76	63	233	0.48	-
20	94	84	94	80	78	78	73	64	203	0.45	-
21	95	84	95	80	77	77	69	61	237	0.45	-
22	95	84	94	80	79	77	83	61	192	0.44	-
23	97	83	95	80	77	79	76	64	171	0.48	-
24	96	83	95	80	79	78	80	64	136	0.43	-
25	97	83	96	78	74	76	68	63	178	0.42	-
26	95	82	94	77	74	77	65	63	203	0.45	-
27	93	82	93	78	75	76	69	63	221	0.48	-
28	94	83	93	78	74	75	68	63	262	0.47	-
29	94	83	93	79	75	75	69	60	235	0.48	-
30	94	83	94	79	76	76	75	66	221	0.48	-
Tot:										14.72	0.00
Ave:			90	78					211		

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	83	91	78	74	77	65	67	228	0.50	-
2	92	82	91	78	75	75	65	57	173	0.48	-
3	94	83	93	78	75	76	69	63	187	0.47	-
4	95	82	95	79	77	74	69	60	192	0.49	-
5	92	83	91	78	74	77	68	63	240	0.48	-
6	95	83	94	78	75	76	72	66	253	0.51	-
7	92	82	90	77	75	76	69	63	199	0.49	-
8	94	83	94	78	76	73	72	62	215	0.52	-
9	92	83	90	78	74	75	65	60	234	0.49	-
10	94	82	93	79	75	77	69	63	202	0.48	-
11	94	83	94	79	77	74	72	60	182	0.48	-
12	94	84	93	80	76	76	72	63	196	0.50	-
13	93	83	92	78	77	77	69	61	166	0.49	-
14	95	84	95	79	78	77	69	63	157	0.47	-
15	96	84	96	81	79	79	80	73	196	0.46	-
16	93	83	92	80	77	79	72	76	165	0.44	-
17	93	83	93	78	74	75	68	65	237	0.46	-
18	92	83	91	78	74	75	68	65	307	0.50	-
19	91	82	91	77	72	73	62	65	307	0.52	-
20	92	82	90	80	75	77	75	72	318	0.53	-
21	90	81	90	78	77	76	83	60	212	0.52	0.02
22	94	81	94	78	78	77	79	91	138	0.40	0.15
23	100	81	96	80	77	78	76	83	109	0.44	0.80
24	92	81	90	78	76	72	79	59	138	0.30	-
25	90	81	90	78	74	75	71	75	199	0.38	-
26	91	82	90	78	73	73	68	62	228	0.45	-
27	91	81	90	78	73	74	68	68	262	0.48	-
28	90	82	88	76	72	74	62	65	354	0.52	-
29	89	79	89	76	68	74	52	68	320	0.50	-
30	91	81	89	78	71	77	61	69	253	0.48	-
31	90	80	90	78	74	75	65	72	335	0.45	-
Tot:										14.68	0.97
Ave:	93	82	92	78					223		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	81	89	76	71	75	64	72	127	0.46	-
2	88	78	88	77	73	76	78	75	204	0.42	-
3	89	80	90	78	74	71	75	61	202	0.40	-
4	88	80	89	78	73	71	75	58	169	0.36	-
5	87	81	88	78	73	73	71	68	157	0.36	-
6	89	81	90	77	71	71	64	64	208	0.35	-
7	87	80	85	75	70	71	61	61	226	0.36	-
8	89	81	89	78	71	72	67	68	204	0.38	-
9	89	80	88	76	70	73	67	71	273	0.40	-
10	85	79	84	75	71	69	70	70	258	0.34	-
11	82	78	80	75	70	71	74	64	205	0.30	-
12	84	78	83	74	73	73	78	71	209	0.27	-
13	84	79	83	73	71	74	70	75	204	0.28	-
14	85	80	84	74	71	73	70	71	175	0.27	-
15	85	78	85	75	72	73	71	65	213	0.32	-
16	90	81	91	76	69	71	60	64	206	0.31	-
17	90	78	90	75	72	69	71	60	246	0.34	-
18	88	78	88	75	72	71	71	67	224	0.36	-
19	87	79	86	74	69	72	64	68	226	0.37	-
20	87	77	87	74	69	72	67	65	233	0.38	-
21	90	78	88	74	69	69	67	60	263	0.40	-
22	88	77	88	72	69	67	67	54	262	0.42	-
23	90	76	90	73	69	71	67	64	220	0.41	-
24	90	77	90	74	71	71	70	64	204	0.42	-
25	88	76	88	74	70	73	67	65	210	0.42	-
26	90	78	89	74	69	71	67	61	212	0.44	-
27	89	78	89	74	72	72	71	62	186	0.42	-
28	89	76	88	73	71	70	70	61	180	0.40	-
29	88	77	88	74	70	69	67	60	202	0.41	-
30	89	78	89	74	71	70	74	61	254	0.45	-
31	89	78	88	73	73	73	78	65	199	0.43	-
Tot:										11.65	0.00
Ave:	88	79	87	75					212		

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September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	76	89	73	71	72	70	65	152	0.40	-
2	90	77	89	73	71	73	70	68	201	0.42	-
3	89	78	89	74	70	74	67	68	230	0.40	-
4	88	76	87	73	72	73	71	68	166	0.38	-
5	89	75	88	74	71	71	70	61	141	0.39	-
6	89	77	89	75	69	72	67	65	208	0.40	-
7	89	76	89	73	70	72	67	62	188	0.40	-
8	90	76	90	75	71	76	70	63	134	0.39	-
9	96	80	95	75	74	73	71	62	138	0.43	-
10	100	78	97	75	74	70	78	53	137	0.45	-
11	100	77	94	75	72	75	74	72	142	0.45	-
12	100	77	95	73	71	73	70	68	210	0.42	-
13			91	75	69	72	67	68	237	0.40	-
14			89	74	71	67	74	47	286	0.42	-
15			91	67	50	44	74	20	119	0.44	-
16			90	64	67	69	69	50	77	0.40	-
17			96	70	67	69	69	58	66	0.42	-
18	90	74	90	71	67	72	69	68	132	0.40	-
19	89	73	90	70	68	67	73	57	176	0.38	-
20	88	74	89	71	68	71	70	64	176	0.37	-
21	87	72	88	70	68	71	73	64	122	0.36	-
22	90	75	91	71	72	72	78	65	178	0.39	-
23	94	76	92	71	70	71	74	64	205	0.40	-
24	86	75	88	71	72	70	78	61	244	0.42	-
25	87	75	88	72	72	71	78	64	211	0.38	-
26	85	77	85	74	71	72	74	65	199	0.36	-
27	88	76	90	73	71	71	74	64	190	0.38	-
28	87	74	88	72	71	71	78	64	143	0.39	-
29	87	72	88	70	71	70	86	61	124	0.37	-
30	95	75	90	70	72	69	82	64	189	0.39	-
Tot:										12.00	0.00
Ave:			90	72					171		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	87	77	88	72	68	72	70	71	277	0.44	-
2	87	77	88	74	72	71	82	64	259	0.43	-
3	89	74	90	74	71	74	82	65	140	0.40	-
4	90	73	90	73	71	69	82	58	62	0.36	0.04
5	95	73	94	72	67	62	69	34	74	0.37	-
6	98	72	94	68	68	67	73	45	77	0.38	-
7	96	70	92	62	52	64	71	35	78	0.37	-
8	102	75	97	65	49	50	61	20	73	0.38	-
9	102	71	94	65	58	60	50	31	78	0.40	-
10	99	75	88	64	64	72	68	59	64	0.39	-
11	98	70	89	65	61	71	54	61	82	0.38	-
12	92	74	90	65	74	72	86	68	143	0.40	-
13	87	74	88	70	73	71	82	64	139	0.36	-
14	87	73	88	70	69	72	77	62	102	0.37	-
15	88	74	88	74	71	72	78	62	83	0.35	-
16	90	73	90	74	69	73	77	62	66	0.34	-
17	92	71	91	70	67	73	73	57	68	0.35	-
18	99	73	95	70	69	68	77	45	58	0.38	-
19	101	70	94	69	65	70	69	48	58	0.40	-
20	100	74	93	64	69	56	30	26	73	0.39	-
21	101	76	95	65	49	63	29	33	58	0.41	-
22	103	70	96	65	62	69	58	36	66	0.45	-
23	102	68	95	64	61	67	57	52	90	0.44	-
24	94	73	90	68	68	73	70	57	81	0.42	-
25	97	72	95	78	63	57	64	21	51	0.41	-
26	102	72	94	65	63	56	61	29	40	0.48	-
27	100	68	88	65	68	67	77	52	70	0.50	-
28	90	69	89	65	67	46	81	21	92	0.45	-
29	94	72	87	66	72	57	90	24	112	0.40	-
30	93	69	89	66	69	51	81	26	92	0.46	-
31	95	72	90	64	59	66	53	51	55	0.42	-
Tot:										12.48	0.04
Ave:	95	72	91	68					92		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	72	90	67	73	74	91	71	93	0.37	-
2	90	73	90	70	74	73	95	71	118	0.34	-
3	88	72	90	69	70	71	86	64	99	0.30	-
4	87	69	91	68	66	71	77	64	72	0.31	-
5	88	70	89	68	69	65	90	49	60	0.30	-
6	91	70	89	62	52	33	74	20	61	0.33	-
7	96	73	90	62	54	45	41	19	44	0.38	-
8	97	73	88	63	51	45	41	19	60	0.37	-
9	96	70	88	62	47	41	31	17	61	0.40	-
10	96	74	87	61	50	65	37	41	126	0.45	-
11	94	71	87	62	48	64	33	48	61	0.44	-
12	94	70	89	63	54	63	51	46	53	0.45	-
13	92	70	89	62	66	63	80	47	55	0.42	-
14	89	69	88	65	66	65	85	53	54	0.40	-
15	91	68	89	64	65	55	80	37	40	0.36	-
16	89	66	88	61	58	57	70	40	41	0.34	-
17	90	68	86	60	54	42	48	19	30	0.36	-
18	91	65	83	58	46	61	43	49	72	0.33	-
19	89	64	84	58	53	47	60	25	53	0.34	-
20	89	67	84	56	30	37	59	19	57	0.32	-
21	86	65	80	52	39	29	34	16	76	0.30	-
22	83	62	76	50	32	41	26	25	92	0.36	-
23	83	66	65	50	37	53	31	38	150	0.33	-
24	83	65	78	51	23	29	17	16	102	0.36	-
25	84	66	73	50	23	38	18	21	142	0.38	-
26	84	57	76	48	14	49	12	30	58	0.34	-
27	84	62	79	47	57	57	83	47	27	0.30	-
28	80	61	78	54	39	41	36	25	29	0.27	-
29	82	66	75	51	21	33	15	20	116	0.31	-
30	83	67	70	50	23	42	16	27	108	0.38	-
Tot:										10.64	0.00
Ave:	89	68	84	59					74		

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December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	66	70	52	30	30	23	15	129	0.40	-
2	84	69	76	50	34	33	26	16	170	0.45	-
3	85	69	75	54	34		26		123	0.41	-
4	86	65	78	52	49	61	54	51	46	0.36	-
5	87	63	80	53	30	48	26	28	50	0.34	-
6	85	63	79	56	47	44	47	24	25	0.30	-
7	87	61	80	55	47	45	49	25	40	0.29	-
8	88	60	82	54	41	46	46	27	27	0.30	-
9	86	60	82	52	50	50	62	33	15	0.27	-
10	88	59	82	53	44	43	51	25	24	0.30	-
11	87	62	80	52	37	41	29	25	37	0.29	-
12	82	61	75	51	35	56	36	46	111	0.35	-
13	80	53	74	46	35	33	49	20	62	0.31	-
14	79	53	74	46	33	24	35	13	44	0.29	-
15	80	54	75	47	35	36	36	20	41	0.30	-
16	83	59	76	47	32	39	29	23	30	0.32	-
17	83	60	75	49	35	37	32	22	76	0.36	-
18	83	53	76	48		57	51	49	53	0.34	-
19	82	54	78	48	52	59	81	46	48	0.32	-
20	87	51	80	50	42	52	67	38	15	0.30	-
21	86	53	78	50	35	34	39	19	12	0.28	-
22	82	60	75	50	37	29	33	16	71	0.33	-
23	82	60	74	49	33	41	31	25	90	0.32	-
24	82	60	75	49	37	34	35	19	59	0.32	-
25	83	65	74	50	37	36	35	20	90	0.33	-
26	82	57	74	48	38	38	47	21	57	0.30	-
27	84	57	77	48	37	46	46	29	25	0.28	-
28	84	54	78	50	38	54	55	41	16	0.30	-
29	84	55	79	49	45	41	68	25	17	0.28	-
30			72	52	41	42	41	27	60	0.30	-
31	81	65	74	53	43	43	44	29	135	0.34	-
Tot:										9.98	0.00
Ave:			77	50					60		

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Location	Latitude 24°39', Longitude 67°34', about 19 miles from Mirpur Sakro.
Elevation	120 ± ft msl.
Period of record	The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.8.63 and taken over by Surface Water Hydrology Project in December 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 0.99 inches Evaporation (Pan) 116.91 inches Absolute maximum air temperature 100 °F Absolute minimum air temperature 40 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

GAHRO

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			74	45	44	39	85	34	59	0.18	-
2	72	43	71	44	43	40	85	35	45	0.19	-
3	71	40	72	42	39	37	84	33	37	0.18	-
4	70	42	69	42	39	32	70	26	67	0.20	-
5	70	46	67	42	45	35	85	30	107	0.20	-
6	73	48	67	42	43	35	63	30	186	0.22	-
7	72	46	67	44	36	39	58	30	126	0.23	-
8	76	50	71	44	38	39	51	30	115	0.25	-
9	76	47	72	47	48	45	86	36	95	0.25	-
10	78	48	78	48	52	55	87	43	35	0.16	-
11	81	47			50	56	87	44	20	0.17	-
12	81	52	80	50	50	43	81	31	49	0.16	-
13	79	51	76	50	50	42	87	36	31	0.17	-
14	74	47	73	45	46	42	85	34	34	0.19	-
15	75	49	76	50	52	43	93	32	30	0.16	-
16	76	49	79	49	50	45	87	36	32	0.18	-
17	76	49	76	49	49	44	93	35	27	0.18	-
18	75	51	78	51	52	46	87	34	30	0.16	-
19	78	49	80	50	50	43	93	31	19	0.18	-
20	80	51	78	50	52	43	87	31	86	0.23	-
21	79	48	76	46	48	46	93	33	89	0.24	-
22	80	50	76	46	50	53	93	40	46	0.19	-
23	81	49	78	49	50	55	93	39	55	0.20	-
24			79	54	55	61	94	54	36	0.20	-
25	81	54	81	54	59	61	94	60	28	0.17	-
26	79	60	82	57	60	67	94	73	56	0.16	-
27	79	52	82	53	52	52	87	50	118	0.18	-
28	78	47	78	48	51	45	93	32	17	0.18	-
29	79	48	77	46	47	46	86	33	44	0.20	-
30			81	57	59	61	94	60	14	0.18	-
31	78	61	81	57	67	65	95	69	71	0.18	-
Tot:										5.92	0.00
Ave:									58		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	60	83	57	60	54	94	54	130	0.19	-
2	74	48	75	50	48	42	93	34	30	0.20	-
3	74	46	75	46	46	51	92	47	40	0.19	-
4	76	48	76	46	40	48	65	47	48	0.20	-
5	72	42	74	44	44	50	92	46	73	0.23	-
6	74	45	74	45	45	47	85	35	33	0.21	-
7	79	46	76	46	46	49	85	36	62	0.25	-
8	80	49	76	46	43	49	67	36	107	0.26	-
9	82	48	77	46	45	62	68	55	100	0.27	-
10	84	50	82	50	52	63	87	64	26	0.21	-
11	78	54	82	54	59	66	94	69	56	0.20	-
12	78	60	83	57	65	65	95	62	74	0.18	-
13	81	61	83	61	62	64	94	76	91	0.19	-
14	74	53	79	52	56	65	94	69	73	0.23	-
15	80	56	83	54	56	66	94	77	45	0.22	-
16	76	54	77	53	56	59	94	59	86	0.21	-
17	76	54	75	54	55	61	94	54	33	0.17	-
18	78	54	82	55	55	60	94	54	42	0.20	-
19	80	52	80	53	53	58	93	48	49	0.22	-
20	82	53	82	54	54	61	93	51	47	0.21	-
21	84	54	86	56	56	48	94	38	29	0.24	-
22	78	58	81	56	62	61	94	60	55	0.20	-
23			82	63	66	65	95	65	85	0.19	-
24	81	64	86	64	64	67	94	73	97	0.23	-
25	79	64	82	62	66	65	95	69	91	0.20	-
26	80	62	82	62	65	65	95	62	93	0.19	-
27	82	62	86	62	66	66	95	70	91	0.21	-
28	83	62	86	62	65	68	95	55	57	0.21	-
Tot:										5.91	0.00
Ave:			80	54					66		

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	59	89	62	62	67	94	52	31	0.21	-
2	91	58	91	59	59	58	89	39	42	0.25	-
3	90	59	90	59	61	65	94	44	40	0.27	-
4	94	62	90	60	66	57	95	34	36	0.28	-
5	94	64	91	62	66	60	95	46	32	0.27	-
6	86	64	85	63	66	63	95	53	53	0.26	-
7	84	63	89	63	67	68	95	60	88	0.23	-
8	86	65	91	64	69	68	95	55	56	0.22	-
9	88	65	93	64	69	65	95	49	55	0.24	-
10	90	62	93	63	67	65	95	41	54	0.26	-
11	96	64	96	64	69	63	95	36	46	0.26	-
12	96	65	94	66	71	67	95	45	52	0.28	-
13	94	64	93	64	69	67	95	43	141	0.27	-
14	96	65	95	64	71	63	95	41	68	0.25	-
15	93	65	93	65	69	65	95	42	63	0.23	-
16	94	71	92	69	73	73	95	75	95	0.28	-
17	85	70	88	68	73	73	95	75	121	0.29	-
18	86	70	90	69	73	73	95	71	191	0.27	-
19	86	70	89	68	73	71	95	64	128	0.29	-
20	86	68	89	67	67	68	95	63	99	0.28	-
21	86	67	90	67	71	71	95	67	95	0.27	-
22			91	70	73	72	95	71	131	0.30	-
23	85	74	90	71	75	74	95	71	195	0.28	-
24	87	74	93	73	75	72	95	68	173	0.32	-
25	88	73	91	71	73	71	95	64	148	0.29	-
26	86	71	87	69	73	71	95	58	135	0.33	-
27	91	64	92	65	69	66	95	43	65	0.31	-
28	96	65	94	64	69	64	95	35	43	0.37	-
29	98	63	94	62	67	65	95	35	66	0.39	-
30	100	64	96	63	65	60	89	31	43	0.39	-
31	99	62	95	61	66	69	95	50	61	0.33	-
Tot:										3.77	0.00
Ave:			91	65					85		

GAHRO

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			95	67	70	69	86	48	77	0.35	-
2	95	72	96	69	73	70	91	48	93	0.31	-
3	95	70	94	68	71	69	86	58	114	0.34	-
4	91	72	90	69	75	74	91	71	150	0.38	-
5	88	72	92	69	71	68	86	45	132	0.34	-
6	95	74	94	72	74	71	86	54	58	0.30	-
7	94	74	97	72	74	72	86	59	70	0.33	-
8	92	74	94	72	75	75	91	65	117	0.33	-
9	94	74	98	72	77	75	95	65	102	0.34	-
10	94	74	98	72	76	74	91	65	78	0.34	-
11	94	74	94	72	76	73	91	59	173	0.39	-
12	94	74	94	73	76	73	91	62	134	0.40	-
13	93	76	93	75	77	77	91	69	131	0.42	-
14	96	76	94	74	79	77	96	69	94	0.36	-
15	94	75	94	74	79	75	96	60	150	0.40	-
16	97	77	96	74	77	75	91	65	186	0.39	-
17	91	74	90	72	77	72	95	49	200	0.36	-
18	98	72	97	71	75	72	91	62	63	0.35	-
19	90	77	93	74	78	75	95	69	135	0.38	-
20	90	77	93	73	78	77	91	72	232	0.39	-
21	90	72	90	69	74	70	86	48	133	0.34	-
22	98	67	94	65	71	67	86	43	73	0.42	-
23	99	69	97	67	73	68	91	45	69	0.43	-
24	96	71	93	70	74	71	91	54	104	0.45	-
25	94	70	93	68	74	70	86	55	99	0.40	-
26	91	74	95	72	75	73	91	59	119	0.37	-
27	94	74	94	72	75	72	91	62	147	0.40	-
28	90	77	93	73	76	77	87	72	253	0.46	-
29	90	77	94	74	77	73	91	54	236	0.42	-
30	97	74	96	74	76	74	87	60	173	0.45	-
Tot:										11.34	0.00
Ave:			94	71					130		

GAHRO

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miels	Evaporation in inches	Rain in inches
1	93	75	90	70	76	73	87	54	138	0.48	-
2	96	71	92	70	75	73	91	54	74	0.46	-
3	96	76	93	74	76	74	87	60	82	0.41	-
4	94	77	99	75	77	78	91	64	90	0.36	-
5	96	78	99	75	79	77	96	72	118	0.36	-
6	92	74	97	72	77	75	95	65	155	0.38	-
7	92	77	95	75	77	77	91	72	198	0.40	-
8	91	79	95	76	79	78	91	69	223	0.40	-
9	92	80	95	78	81	79	96	70	244	0.46	-
10	93	80	96	79	79	79	91	70	229	0.43	-
11	94	77	97	76	79	77	91	67	160	0.36	-
12	95	79	97	77	79	78	87	69	145	0.36	-
13	93	79	96	76	79	77	87	56	205	0.44	-
14	98	74	96	69	77	78	96	64	120	0.45	-
15	96	68	94	67	77	74	95	52	51	0.44	-
16	98	77	96	74	77	75	91	53	120	0.47	-
17	98	74	97	73	79	74	91	60	138	0.46	-
18	93	79	96	76	80	78	91	69	185	0.47	-
19	92	80	95	77	80	79	91	59	228	0.49	-
20	100	79	101	73	80	77	91	58	59	0.37	-
21	97	79	94	77	78	79	91	70	169	0.42	-
22	93	79	96	76	80	78	91	69	228	0.43	-
23	92	80	96	77	80	79	91	73	275	0.46	-
24	92	80	94	77	80	81	91	77	225	0.40	-
25	94	80	98	78	80	80	91	74	224	0.46	-
26	94	80	97	78	80	80	91	74	225	0.45	-
27	94	80	97	78	80	80	91	74	275	0.50	-
28	94	81	95	78	82	80	96	74	326	0.47	-
29	94	81	95	79	81	81	91	77	342	0.50	-
30	93	81	95	79	81	80	91	74	329	0.52	-
31	94	81	95	79	81	80	91	70	310	0.53	-
Tot:										13.59	0.00
Ave:	94	78	96	75					190		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	81	90	79	81	80	91	74	280	0.54	-
2	92	80	96	78	81	81	91	77	211	0.49	-
3	92	78	96	76	80	80	96	76	161	0.45	-
4	92	78	96	76	79	76	91	60	179	0.40	-
5	96	77	97	76	79	78	91	64	112	0.38	-
6	96	79	97	77	81	81	91	74	136	0.40	-
7	96	80	99	78	81	82	91	77	131	0.45	-
8	93	81	97	79	83	82	96	80	267	0.46	-
9	94	82	95	79	82	84	92	84	246	0.47	-
10	95	82	95	79	82	82	92	80	354	0.51	-
11	93	81	93	79	81	80	91	74	231	0.54	-
12	94	82	94	79	81	80	91	74	250	0.57	-
13	94	82	95	78	82	82	92	80	213	0.50	-
14	94	82	95	78	81	80	91	74	228	0.45	-
15	94	82	95	78	81	81	87	77	255	0.45	-
16	94	82	94	78	81	81	87	80	282	0.47	-
17	93	82	94	78	81	83	87	84	300	0.52	-
18	94	81	94	79	81	82	91	80	289	0.49	-
19	94	83	95	80	81	82	87	80	261	0.47	-
20	94	82	95	79	82	82	92	80	248	0.44	-
21	94	83	95	79	82	83	92	81	272	0.44	-
22	94	83	97	80	82	84	92	77	247	0.45	-
23	95	82	97	80	82	84	92	77	199	0.45	-
24	95	82	99	79	82	84	92	77	154	0.40	-
25	96	82	99	79	82	83	92	77	195	0.38	-
26	94	82	98	78	82	82	92	77	220	0.46	-
27	94	82	97	78	81	81	91	77	252	0.47	-
28	94	81	97	78	81	82	91	80	296	0.49	-
29	95	81	95	78	81	82	87	80	214	0.42	-
30	92	82	94	79	81	81	91	80	242	0.45	-
Tot:										13.86	0.00
Ave:	94	81	96	78					231		

GAHRO

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	82	93	78	83	84	96	84	267	0.45	-
2	92	82	94	79	82	82	92	77	181	0.40	-
3	93	82	95	79	82	82	92	77	190	0.47	-
4	93	82	95	79	82	82	92	80	184	0.46	-
5	93	82	95	79	82	82	92	80	232	0.47	-
6	92	78	94	78	81	82	91	80	235	0.48	-
7	93	82	94	79	82	82	92	80	198	0.47	-
8	92	82	94	78	82	83	92	84	206	0.43	-
9	92	82	94	78	82	83	92	81	214	0.44	-
10	94	82	96	78	82	82	92	77	199	0.44	-
11	94	82	95	78	82	82	92	80	169	0.43	-
12	93	82	94	78	82	82	92	77	178	0.40	-
13	92	82	95	78	82	82	96	77	162	0.41	-
14	93	82	96	78	82	83	83	81	144	0.40	-
15	94	84	97	80	83	84	92	88	188	0.38	-
16	94	84	97	80	83	84	92	88	189	0.30	-
17	92	82	94	80	81	83	91	84	257	0.38	-
18	91	82	91	79	82	81	96	80	329	0.44	-
19	91	82	90	79	81	81	91	84	325	0.44	-
20	91	82	90	77	83	82	96	88	363	0.45	-
21	87	80	87	77	81	81	96	91	194	0.23	0.05
22	86	79	87	77	81	80	96	76	166	0.19	0.15
23	94	80	95	79	81	81	96	91	59	0.11	0.50
24	86	78	87	76	81	81	96	87	117	0.23	0.25
25	88	79	91	76	80	79	96	76	166	0.36	-
26	90	80	95	77	80	80	91	80	219	0.36	-
27	90	80	91	77	80	81	91	80	250	0.38	-
28	90	81	91	78	82	82	96	88	373	0.46	-
29	88	81	88	78	80	81	91	84	354	0.42	-
30	88	80	90	78	80	81	91	84	245	0.39	-
31	88	80	92	78	80	81	91	84	231	0.37	-
Tot:										12.04	0.95
Ave:	91	81	93	78					219		

GAHRO

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	80	92	78	80	81	91	84	251	0.38	-
2	88	80	90	78	81	81	96	84	232	0.34	-
3	88	80	84	77	81	81	96	84	219	0.32	-
4	88	80	88	77	81	81	96	87	238	0.32	-
5	87	80	88	77	80	79	96	80	220	0.31	-
6	88	80	87	76	80	79	96	80	134	0.36	-
7	88	79	87	76	80	79	96	80	268	0.32	-
8	88	80	89	76	80	79	96	83	200	0.33	-
9	87	79	87	76	80	80	96	87	318	0.37	-
10	86	78	86	78	79	79	96	87	305	0.38	-
11	84	78	85	77	79	78	96	79	233	0.30	-
12	86	78	85	76	78	77	95	83	224	0.30	-
13	84	76	83	75	78	77	95	72	219	0.29	-
14	88	78	88	76	79	78	96	83	186	0.27	-
15	86	78	88	76	78	79	95	87	223	0.29	-
16	84	78	84	76	78	78	95	83	210	0.26	-
17	86	79	86	76	80	80	96	91	226	0.28	-
18	85	78	84	75	79	78	96	83	219	0.28	-
19	87	79	89	75	79	78	96	79	224	0.32	-
20	88	77	88	75	78	77	95	76	234	0.34	-
21	88	78	87	74	79	78	96	33	259	0.39	-
22	87	77	87	73	79	79	96	80	254	0.40	-
23	88	77	89	73	79	78	96	83	205	0.40	-
24	87	77	89	78	79	78	96	79	183	0.33	-
25	87	77	90	75	79	79	96	83	180	0.33	-
26	87	77	90	74	79	79	96	76	193	0.34	-
27	89	76	94	74	79	77	96	76	168	0.35	-
28	88	76	93	74	79	78	96	79	167	0.36	-
29	88	78	91	75	79	78	96	83	189	0.34	-
30	87	78	90	75	79	79	96	80	234	0.37	-
31	88	78	90	75	79	79	96	80	181	0.36	-
Tot:										10.33	0.00
Ave:	87	78	88	76					219		

GAHRO

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	77	91	75	79	77	96	76	131	0.32	-
2	88	77	90	74	77	78	91	73	173	0.30	-
3	89	78	91	75	79	78	96	79	213	0.34	-
4	88	77	91	74	79	77	96	76	141	0.35	-
5	89	77	91	74	77	77	91	72	109	0.33	-
6	88	78	92	75	79	79	96	80	190	0.37	-
7	88	76	90	73	77	77	91	76	174	0.35	-
8	88	77	92	74	78	79	95	76	130	0.32	-
9	90	79	94	76	79	79	96	76	192	0.37	-
10	90	79	94	76	79	78	96	79	202	0.33	-
11	87	78	88	75	79	79	96	80	183	0.30	-
12	88	78	92	76	79	78	96	83	228	0.37	-
13	86	78	87	74	79	78	96	83	249	0.38	-
14	86	78	87	74	79	77	96	76	285	0.37	-
15	88	74	90	71	77	78	95	73	193	0.36	-
16	92	71	90	68	75	76	95	66	76	0.38	-
17	92	71	94	68	75	78	95	79	65	0.34	-
18	88	72	91	70	76	77	91	79	149	0.36	-
19	89	74	91	71	77	76	95	75	194	0.39	-
20	88	72	91	70	77	77	95	83	166	0.34	-
21	86	72	87	71	75	75	91	72	116	0.32	-
22	88	76	93	73	78	78	95	79	201	0.30	-
23	88	76	91	73	77	77	95	83	301	0.31	-
24	88	76	89	73	78	77	95	79	205	0.37	-
25	87	75	88	73	77	77	95	83	216	0.35	-
26	86	75	88	73	77	77	95	79	213	0.36	-
27	86	74	88	72	77	76	95	79	182	0.30	-
28	86	73	88	71	77	76	95	72	117	0.28	-
29	88	73	91	71	77	77	95	72	105	0.30	-
30	89	75	92	72	78	78	95	87	165	0.32	-
Tot:										10.18	0.00
Ave:	88	76	90	73					176		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	87	74	87	72	75	76	95	79	273	0.30	-
2	84	76	85	74	77	76	95	79	280	0.31	-
3	86	76	89	74	78	77	95	76	214	0.30	-
4	89	74	92	73	74	75	91	57	101	0.27	-
5	94	76	97	73	77	77	95	69	81	0.28	-
6	92	75	92	73	77	75	95	63	85	0.31	-
7	92	72	93	71	76	75	91	57	90	0.33	-
8	101	72	96	70	74	74	91	52	62	0.38	-
9	99	70	94	69	73	73	95	52	79	0.40	-
10	97	70	93	67	73	75	91	63	86	0.37	-
11	95	70	92	70	76	76	91	75	95	0.35	-
12	90	72	92	71	75	76	95	79	158	0.36	-
13	88	75	91	73	77	77	95	79	158	0.32	-
14	87	75	89	73	77	77	95	79	88	0.27	-
15	88	73	90	70	75	76	91	75	102	0.26	-
16	90	73	93	71	75	78	95	79	56	0.25	-
17	89	72	94	72	75	76	91	63	61	0.26	-
18	99	76	96	74	76	75	91	60	67	0.29	-
19	98	72	97	71	77	76	95	63	65	0.30	-
20	98	68	94	66	75	73	95	54	74	0.36	-
21	98	69	93	64	77	74	91	52	66	0.32	-
22	100	72	95	69	77	76	91	66	48	0.35	-
23	92	71	91	69	78	78	95	79	106	0.35	-
24	90	72	90	70	78	78	95	69	119	0.29	-
25	92	74	95	71	77	74	95	52	39	0.25	-
26	98	73	94	71	78	75	95	60	45	0.29	-
27	96	73	91	71	78	76	95	66	59	0.31	-
28	94	70	90	68	73	74	91	65	96	0.36	-
29	90	66	89	67	74	75	91	72	81	0.37	-
30	90	70	89	68	77	76	95	72	65	0.30	-
31	90	70	89	68	77	75	95	69	57	0.28	-
Tot:										9.74	0.00
Ave:	93	72	92	70					99		

GAHRO

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	70	90	69	77	75	95	69	85	0.27	-
2	90	72	89	70	75	77	91	76	81	0.24	-
3	90	72	88	71	75	77	91	72	34	0.26	-
4	91	71	90	70	74	77	91	67	74	0.30	-
5	94	68	91	66	72	73	90	59	68	0.23	-
6	93	69	90	67	74	75	91	60	78	0.18	-
7	94	68	90	66	73	73	91	54	79	0.29	-
8	96	67	90	65	70	73	81	57	38	0.27	-
9	94	64	89	64	67	67	85	47	53	0.30	-
10	93	66	89	62	66	70	77	55	76	0.34	-
11	92	65	87	63	66	72	85	59	55	0.27	-
12	94	68	89	66	74	74	91	68	40	0.25	-
13	88	68	90	66	74	74	91	79	58	0.23	-
14	87	66	89	66	71	75	90	72	45	0.23	-
15	89	66	89	65	69	72	95	68	28	0.20	-
16	89	64	88	64	67	72	90	71	37	0.23	-
17	87	64	87	63	65	72	85	65	34	0.22	-
18	89	64	85	63	65	74	85	75	43	0.25	-
19	86	64	83	63	65	61	89	44	54	0.21	-
20	88	57	87	58	57	61	78	91	29	0.25	-
21	84	54	77	51	55	60	73	60	77	0.30	-
22	81	51	75	50	53	59	72	51	87	0.28	-
23	82	53	75	50	53	56	72	44	92	0.30	-
24	83	60	76	51	51	54	59	43	128	0.38	-
25	82	55	74	51	48	60	65	46	143	0.46	-
26	87	61	77	57	60	59	84	44	32	0.34	-
27	88	57	83	58	61	60	89	54	57	0.27	-
28	82	56	79	56	51	55	87	49	23	0.22	-
29	80	56	74	55	49	50	70	46	114	0.28	-
30	78	59	74	54	55	55	73	51	76	0.20	0.04
Tot:										8.05	0.04
Ave:	88	63	84	61					64		

GAHRO.

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	56	70	54	46	56	53	44	81	0.22	-
2	82	60	76	56	45	53	49	78	108	0.29	-
3	84	58	76	53	51	55	71	82	90	0.33	-
4	83	57	76	54	57	52	88	30	33	0.26	-
5	83	57	79	56	53	56	82	44	28	0.25	-
6	85	56	84	56	56	63	88	53	40	0.20	-
7	84	56	78	55	54	66	88	56	52	0.23	-
8	84	55	82	55	56	62	88	55	20	0.18	-
9	84	56	82	55	55	61	88	49	26	0.19	-
10	84	56	80	56	55	58	82	48	47	0.21	-
11	83	53	80	52	54	53	88	45	52	0.25	-
12	80	53	75	50	51	49	81	40	93	0.30	-
13	78	47	73	48	47	48	86	40	71	0.27	-
14	78	48	74	47	50	48	87	38	56	0.25	-
15	80	46	76	48	46	35	79	21	43	0.21	-
16	82	50	79	49	46	52	64	38	44	0.23	-
17	84	52	79	49	53	53	76	40	89	0.27	-
18	82	48	76	49	52	47	87	35	58	0.23	-
19	81	56	79	50	57	48	94	33	37	0.18	-
20	82	50	85	55	52	51	93	39	32	0.16	-
21	83	50	79	52	51	54	93	43	20	0.17	-
22	82	50	78	49	53	45	76	32	50	0.20	-
23	80	50	76	49	48	51	75	39	85	0.28	-
24	81	50	75	49	49	47	75	35	67	0.27	-
25	80	51	74	48	50	46	81	34	67	0.24	-
26	81	47	75	48	48	48	75	37	55	0.27	-
27	83	50	77	50	49	54	75	41	42	0.23	-
28	83	50	78	49	52	60	87	54	24	0.19	-
29	81	52	78	52	52	61	87	60	27	0.18	-
30	79	56	76	53	55	61	82	60	64	0.18	-
31	79	54	75	53	52	57	81	53	118	0.26	-
Total										7.18	0.00
Ave:	82	53	77	52					55		

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Location	Latitude 26°53', Longitude 67°20', situated towards west of Johi Tehsil about 25 miles.
Elevation	600 ± ft msl.
Period of record	The station was established by the Project Director, Project Planning Southern Zone, (old L.I.P) on 26.4.63 and taken over by Surface Water Hydrology Project in December 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 0.91 inches Evaporation (Pan) 199.37 inches Absolute maximum air temperature 122 °F Absolute minimum air temperature 49 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

GAJ REST HOUSE

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	53	70	45	35	41	45	38	89	0.18	-
2	71	52	70	45	35	34	49	27	133	0.20	-
3	70	51	68	44	36	30	53	26	68	0.17	-
4	69	49	67	43	40	28	65	21	83	0.15	-
5	72	50	71	45	38	34	55	27	104	0.21	-
6	71	49	68	43	30	34	39	29	97	0.19	-
7	70	51	69	44	30	34	36	26	53	0.17	-
8	73	53	72	45	30	39	33	32	56	0.20	-
9	72	52	69	44	32	28	40	18	84	0.22	-
10	76	53	72	46	32	30	37	23	76	0.26	-
11	73	51	71	43	32	28	40	19	79	0.24	-
12	75	55	72	46	32	33	37	21	64	0.23	-
13	78	48	74	42	33	18	51	14	89	0.26	-
14	70	47	67	41	27	25	40	21	90	0.20	-
15	69	45	68	38	26		42	34	24	0.19	-
16	74	44	73	40	26	1	38	6	77	0.24	-
17	72	46	71	41	25	23	35	18	36	0.22	-
18	70	48	68	42	25	14	32	10	63	0.20	-
19	74	50	73	43	24	36	29	26	22	0.25	-
20	75	53	74	44	24	36	27	28	35	0.27	-
21	72	52	70	42	22	33	28	31	44	0.24	-
22	68	53	64	43	19	33	22	21	26	0.20	-
23	78	55	75	44	19	35	20	21	74	0.29	-
24	81	57	77	45	18	35	18	23	34	0.33	-
25	79	59	76	46	18	34	17	19	56	0.30	-
26	82	61	80	47	18	37	15	19	11	0.35	-
27	85	59	83	46	21	34	19	19	55	0.40	-
28	82	55	80	45	23	24	24	15	78	0.38	-
29	76	52	72	44	26	30	31	21	54	0.31	-
30	75	53	74	45	26	33	28	21	13	0.32	-
31	78	55	75	46	26	26	77	18	65	0.36	-
Tot:										7.73	0.00
Ave:	74	52	72	44					62		

GAJ REST HOUSE

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	51	72	43	24	24	29	15	35	0.30	-
2	75	52	73	44	24	32	27	23	33	0.33	-
3	74	53	72	43	24	31	29	19	80	0.36	-
4	77	50	74	42	25	28	32	21	109	0.39	-
5	73	49	71	40	27	10	40	9	88	0.31	-
6	75	48	73	41	27	11	36	8	97	0.36	-
7	77	51	74	43	27	21	33	13	80	0.38	-
8	76	52	73	44	26	22	31	12	110	0.39	-
9	79	50	75	43	29	11	38	8	108	0.44	-
10	80	52	77	45	30	22	36	12	104	0.49	-
11	79	53	75	44	24	25	27	13	49	0.40	-
12	82	55	79	45	23	28	24	22	40	0.44	-
13	70	53	69	44	26	26	31	18	3	0.25	-
14	73	51	72	43	29	24	38	15	129	0.29	-
15	75	50	73	42	22	26	28	18	122	0.33	-
16	73	55	71	44	24	28	27	18	71	0.26	-
17	76	53	74	43	24	34	29	24	77	0.29	-
18	75	54	72	44	24	33	27	21	94	0.28	-
19	78	55	76	45	23	35	24	21	101	0.34	-
20	81	57	80	46	26	38	22	21	90	0.36	-
21	84	59	83	48	25	38	22	18	85	0.37	-
22	90	64	88	49	25	38	21	17	116	0.46	-
23	92	63	91	50	28	44	21	23	46	0.45	-
24	90	62	89	50	30	44	25	24	148	0.44	-
25	87	61	86	51	35	48	32	28	55	0.39	-
26	88	62	87	52	35		30		120	0.42	-
27											
28											

Tot:

Ave:

GAJ REST HOUSE

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1			88	53	36	50	26	34	212+	0.28 *	-
2	89	65	87	52	36	52	28	28	66	0.43	-
3	92	67	91	54	36	55	26	28	110	0.47	-
4	95	69	93	55	36	58	25	32	111	0.52	-
5	94	72	91	56	37	59	24	30	108	0.51	-
6	98	71	93	57	37	62	23	29	104	0.56	-
7	101	76	95	58	37	64	22	29	107	0.61	-
8	104	75	97	57	37	63	23	30	102	0.66	-
9	102	72	96	56	38	61	26	30	107	0.63	-
10	100	73	95	55	33	62	21	29	73	0.56	-
11	101	74	96	56	33	62	20	27	108	0.59	-
12	104	75	97	59	38	56	21	22	109	0.64	-
13	105	78	98	60	39	56	20	23	90	0.67	-
14	102	76	94	59	39	55	23	24	96	0.58	-
15	100	78	93	60	37	59	22	25	112	0.56	-
16	104	82	94	64	46	56	23	22	123	0.62	-
17	105	85	96	65	47	74	23	18	146	0.68	-
18	106	75	95	62	45	53	25	24	147	0.70	-
19	97	72	90	58	42	50	28	25	87	0.45	0.03
20	93	74	92	60	44	52	28	23	39	0.37	-
21	98	72	93	59	45	56	32	23	53	0.44	-
22	102	74	95	60	45	55	30	24	112	0.53	-
23	100	76	94	62	47	52	30	28	205	0.55	-
24	93	75	92	61	47	59	31	28	112	0.39	-
25	99	77	94	64	49	52	29	28	151	0.51	-
26	92	66	88	56	45	48	3	27	165	0.53	-
27	88	68	85	57	45	48	38	24	82	0.45	-
28	91	70	86	58	47	48	37	22	107	0.50	-
29	94	72	88	61	49	51	36	21	98	0.52	-
30	100	78	94	63	52	54	32	23	123	0.62	-
31	99	77	92	64	53	54	38	21	119	0.55	-
Tot:										16.68	0.03
Ave:			93	59					116		

\+ Three days wind movement (including 2 days previous month).
* Estimated evaporation.

GAJ REST HOUSE

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	79	94	64	52	57	32	25	128	0.65	-
2	101	82	93	66	52	56	29	20	119	0.64	-
3	108	81	95	65	57	56	34	22	150	0.78	-
4	106	80	93	64	52	56	36	23	132	0.71	-
5	102	79	92	63	49	55	30	24	224	0.77	-
6	100	80	91	64	52	52	36	21	105	0.66	-
7	101	79	93	66	55	52	34	19	64	0.59	-
8	105	83	95	68	56	55	32	19	87	0.63	-
9	109	87	97	70	58	58	32	19	121	0.69	-
10	112	88	98	71	59	62	31	27	158	0.78	-
11	104	84	94	67	56	59	42	24	149	0.62	-
12	105	80	93	66	56	59	40	30	195	0.73	-
13	98	78	92	65	55	58	41	32	162	0.63	-
14	95	79	91	67	57	59	40	22	78	0.45	-
15	108	82	96	68	58	59	39	27	179	0.70	-
16	102	76	94	65	35	58	44	32	144	0.65	-
17	95	73	91	63	57	61	49	36	98	0.52	-
18	94	75	92	64	55	63	41	26	102	0.50	-
19	107	78	97	66	57	59	38	23	144	0.67	-
20	108	80	98	68	57	59	37	25	142	0.75	-
21	105	77	96	64	55	57	41	30	233	0.72	-
22	95	72	90	61	53	59	45	30	113	0.53	-
23	98	74	94	64	30	62	41	29	115	0.58	-
24	101	77	95	65	58	62	39	27	109	0.62	-
25	104	83	96	66	59	62	37	25	105	0.66	-
26	107	86	98	68	59	59	36	22	197	0.75	-
27	108	87	100	70	60	58	34	22	207	0.78	-
28	106	85	97	68	57	57	34	23	189	0.72	-
29	104	83	96	67	56	60	36	26	187	0.67	-
30	103	81	94	66	55	59	37	27	80	0.61	-
Tot:										19.76	0.00
Ave:	103	80	95	66					141		

GAJ REST HOUSE

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	80	93	65	55	57	39	30	108	0.60	-
2	95	77	89	64	54	62	41	31	80	0.49	-
3	100	76	92	65	55	64	39	29	119	0.58	-
4	105	80	96	67	58	60	39	24	193	0.68	-
5	107	82	97	68	59	61	37	24	207	0.75	-
6	109	86	100	70	59	65	33	24	203	0.81	-
7	113	90	103	72	60	64	31	26	110	0.83	-
8	108	93	100	73	61	63	30	22	117	0.72	-
9	113	95	104	74	62	62	29	23	130	0.85	-
10	110	92	102	71	59	62	31	29	213	0.81	-
11	102	86	95	69	58	65	35	28	220	0.71	-
12	104	74	96	65	56	65	44	27	167	0.73	0.25
13	108	78	98	67	56	62	36	29	176	0.76	-
14	101	76	95	65	55	58	39	32	165	0.70	-
15	94	78	91	66	57	58	38	29	89	0.55	-
16	97	80	93	67	57	62	37	29	103	0.59	-
17	102	84	95	69	58	68	35	29	88	0.64	-
18	108	88	100	71	60	68	31	25	144	0.70	-
19	114	86	102	70	59	66	34	27	201	0.88	-
20	110	84	99	69	59	63	33	26	134	0.80	-
21	107	87	97	70	59	66	30	23	83	0.65	-
22	114	92	103	72	59	63	27	21	161	0.82	-
23	116	96	104	74	62	66	27	23	139	0.90	-
24	114	92	103	71	57	65	27	24	104	0.81	-
25	112	90	102	69	56	68	28	24	113	0.79	-
26	115	91	103	70	57	65	27	21	231	0.92	-
27	116	93	103	71	58	64	26	22	235	0.97	-
28	115	94	102	73	59	65	26	21	189	0.95	-
29	116	96	103	74	61	67	26	20	222	1.02	-
30	119	98	104	75	62	65	25	22	278	1.13	-
31	115	100	102	77	65	68	28	22	236	1.10	-
Tot:										24.24	0.25
Ave :	108	87	99	72					160		

GAJ REST HOUSE

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	118	95	104	73	61	65	28	23	207	1.09	-
2	113	93	102	72	59	61	30	24	182	0.98	-
3	108	94	96	73	59	63	27	23	221	0.89	-
4	111	85	98	68	56	63	29	24	136	0.86	-
5	109	87	97	71	61	65	33	24	73	0.78	-
6	112	90	99	73	63	68	33	24	122	0.87	-
7	115	94	103	76	66	67	31	25	158	0.96	-
8	113	99	100	76	63	69	28	25	175	0.89	-
9	115	95	101	73	61	68	28	25	163	1.02	-
10	114	94	100	72	60	69	29	23	160	0.95	-
11	116	96	101	73	59	66	25	23	165	0.91	-
12	114	92	99	71	59	65	28	24	119	0.88	-
13	112	91	98	70	58	62	29	21	126	0.86	-
14	113	89	102	77	59	50	34	14	149	0.80	-
15	112	85	101	75	58	54	35	16	83	0.75	-
16	111	86	100	76	59	54	34	15	203	0.80	-
17	114	87	102	78	59	50	33	13	178	0.84	-
18	115	90	103	79	60	64	31	22	89	0.78	-
19	114	91	102	80	61	65	30	19	168	0.76	-
20	120	88	104	77	59	67	31	21	110	0.86	-
21	119	91	105	79	59	66	30	22	233	0.92	-
22	118	96	104	80	62	69	27	21	234	0.95	-
23	121	95	105	73	60	66	29	21	86	0.94	-
24			103	70		63		23	172	0.97	-
25	112	86	100	71	63	68	33	20	117	0.82	-
26	122	95	103	75	63	71	26	22	215	1.08	-
27	121	100	104	77	64	68	26	22	186	1.06	-
28	118	97	102	75	63	65	30	24	146	0.98	-
29	112	90			60	62	34	31	99	0.84	-
30	103	80	97	72	59	65	37	26	152	0.72	0.47
Tot:										26.81	0.47
Ave:									154		

GAJ REST HOUSE

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	85	100	73	63	63	38	28	99	0.75	-
2	106	87	99	74	66	64	43	26	60	0.70	-
3	107	90	101	75	64	64	33	25	54	0.74	-
4	110	93	103	77	67	70	33	26	40	0.82	-
5	115	95	104	76	66	69	36	26	112	0.93	-
6	113	94	103	74	65	68	35	27	80	0.90	-
7	112	88	104	73	59	68	34	24	155	0.97	-
8	115	89	105	75	59	65	30	23	181	1.04	-
9	114	93	104	78	61	64	28	25	242	1.05	-
10	110	88	103	77	56	64	28	26	159	0.89	-
11	108	90	102	79	59	63	33	23	170	0.80	-
12	111	87	104	77	58	63	35	24	78	0.84	-
13	110	89	103	80	59	63	30	23	85	0.78	-
14	112	92	104	78	60	66	29	27	45	0.81	-
15	110	89	103	77	60	62	31	29	120	0.77	-
16	112	93	104	78	61	65	30	23	113	0.82	-
17	113	95	105	80	61	61	28	20	233	0.90	-
18	114	97	106	81	63	65	26	24	222	0.94	-
19	112	94	103	79	60	81	29	21	144	0.86	-
20	113	91	104	77	59	61	30	22	210	0.89	-
21	111	89	103	76	59	61	31	22	91	0.81	-
22	109	91	102	78	58	59	26	23	266	0.84	-
23	107	82	98	70	56	56	36	23	143	0.75	-
24	103	84	97	75	56	58	32	22	121	0.52	0.08
25	106	86	101	78	58	61	32	26	137	0.61	-
26	105	88	102	79	59	64	31	26	155	0.55	-
27	108	90	104	80	59	63	30	23	245	0.72	-
28	111	92	105	81	62	68	34	24	253	0.75	-
29	115	90	106	80	61	67	35	25	225	0.85	-
30	114	89	105	79	59	66	31	25	88	0.73	-
31	112	87	103	78	58	65	32	26	156	0.76	-
Tot:										25.09	0.08
Ave:	111	90	103	77					145		

GAJ REST HOUSE

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	85	102	76	58	68	35	29	222	0.78	-
2	108	86	101	77	40	67	34	30	109	0.68	-
3	106	85	100	76	60	66	38	31	92	0.62	-
4	105	86	99	77	61	67	36	30	88	0.57	-
5	106	87	101	78	61	65	35	31	209	0.67	-
6	103	83	99	76	57	66	37	29	163	0.59	-
7	107	82	102	72	57	65	38	30	128	0.56	-
8	105	83	101	74	57	62	34	31	120	0.55	-
9	100	85	97	77	57	64	33	26	99	0.45	-
10	107	88	103	78	58	63	32	28	156	0.58	-
11	105	83	102	76	71	66	37	31	160	0.50	-
12	104	85	101	77	58	66	35	29	134	0.53	-
13	108	82	103	75	56	60	36	29	98	0.59	-
14	100	83	97	77	56	63	32	28	162	0.48	-
15	105	85	102	78	58	61	32	28	109	0.52	-
16	103	87	99	77	57	64	33	26	129	0.51	-
17	108	86	103	77	62	66	41	25	179	0.58	-
18	111	84	105	76	62	65	45	32	168	0.66	-
19	103	82	98	75	65	66	51	31	152	0.51	-
20	105	83	99	76	61	67	42	30	101	0.53	-
21	106	82	98	74	64	69	48	34	220	0.56	-
22	105	84	99	77	65	67	46	34	232	0.57	-
23	102	80	98	74	60	69	46	39	116	0.48	0.03
24	101	82	97	75	61	70	42	36	94	0.46	-
25	105	84	100	76	62	71	41	34	138	0.56	-
26	108	83	102	74	62	69	45	34	120	0.61	-
27	105	84	101	76	63	69	43	31	113	0.53	-
28	109	85	103	77	63	69	41	32	129	0.63	-
29	106	83	101	75	61	66	42	29	137	0.60	-
30	108	85	102	76	62	65	41	30	117	0.68	-
31	105	83	100	75	61	68	42	33	101	0.53	-
Tot:										17.67	0.03
Ave:	105	84	100	76					139		

GAJ REST HOUSE

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	82	101	74	61	68	44	31	93	0.5	-
2	107	83	103	76	63	67	43	32	120	0.58	-
3	106	84	102	77	65	67	42	33	112	0.56	-
4	103	83	100	75	61	66	42	34	113	0.52	-
5	101	81	99	74	59	65	44	30	110	0.50	-
6	105	80	101	73	59	65	46	31	133	0.59	-
7	103	81	100	75	59	64	41	32	102	0.56	-
8	101	83	98	77	59	64	34	29	152	0.47	-
9	104	87	100	78	61	63	39	30	153	0.58	-
10	102	86	99	77	61	65	35	30	107	0.49	-
11	105	88	101	78	59	65	36	31	91	0.54	-
12	103	83	100	76	59	62	37	27	120	0.51	-
13	104	82	101	75	58	64	39	26	132	0.57	-
14	107	85	102	76	61	66	35	27	132	0.63	-
15	110	83	103	72	56	65	36	31	166	0.75	-
16	103	81	97	71	55	62	37	31	87	0.53	-
17	100	82	95	73	59	63	37	28	148	0.51	-
18	105	86	98	75	58	60	32	24	147	0.65	-
19	106	80	99	70	52	59	32	25	81	0.56	-
20	104	82	98	72	54	59	32	23	119	0.55	-
21	107	86	100	74	54	59	29	24	120	0.61	-
22	105	84	99	73	53	62	30	27	87	0.52	-
23	104	82	98	72	51	61	30	28	78	0.47	-
24	102	81	95	70	50	60	31	24	80	0.40	-
25	106	82	98	72	53	59	31	26	275	0.62	-
26	102	79	95	70	51	62	22	29	139	0.49	-
27	101	77	94	69	49	62	34	27	121	0.44	-
28	104	79	97	72	52	61	32	28	103	0.48	-
29	102	81	96	73	53	63	31	28	82	0.40	-
30	105	84	98	74	53	63	30	24	145	0.56	-
Tot:										16.15	0.00
Ave:	104	83	99	74					122		

GAJ REST HOUSE

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	87	100	75	55	60	28	21	155	0.72	-
2	110	83	101	72	49	57	29	27	128	0.68	-
3	98	80	90	70	50	56	33	28	152	0.44	-
4	96	79	89	69	50	59	31	28	114	0.39	-
5	99	83	93	71	53	62	31	27	80	0.40	-
6	105	79	97	70	52	61	36	28	89	0.52	-
7	102	80	95	71	52	63	32	28	59	0.45	-
8	105	83	96	72	52	62	29	28	131	0.54	-
9	103	81	95	71	50	59	31	25	109	0.52	-
10	104	79	96	70	50	59	33	26	108	0.56	-
11	102	80	95	71	49	60	29	24	88	0.50	-
12	106	84	97	72	52	58	28	24	134	0.60	-
13	103	81	95	70	52	58	32	29	93	0.49	-
14	97	79	93	69	51	58	33	26	74	0.37	-
15	100	80	94	70	51	57	30	27	91	0.45	-
16	99	78	93	69	48	55	32	28	143	0.47	0.03
17	95	79	90	70	49	54	30	29	112	0.35	-
18	94	76	89	68	49	58	34	29	87	0.31	-
19	97	78	91	70	51	60	33	29	111	0.38	-
20	100	80	93	71	52	62	32	28	106	0.43	-
21	103	83	95	72	54	59	32	25	117	0.52	-
22	104	82	96	70	53	59	33	26	129	0.58	-
23	103	81	95	71	53	59	34	25	90	0.54	-
24	104	77	96	68	49	57	34	30	107	0.57	-
25	95	78	88	70	50	59	33	27	150	0.45	-
26	102	76	93	68	50	59	37	28	102	0.47	-
27	100	77	92	69	50	62	31	28	76	0.41	-
28	103	78	93	70	51	59	30	25	122	0.49	-
29	105	79	94	71	51	59	33	26	111	0.56	-
30	102	77	92	68	49	58	34	26	67	0.48	-
31	100	76	91	67	49	57	36	27	112	0.42	-
Tot:										15.06	0.03
Ave:	101	80	94	70					108		

GAJ REST HOUSE

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	75	90	66	45	59	30	26	88	0.39	-
2	102	76	92	67	46	55	29	25	122	0.48	-
3	99	75	90	65	46	55	33	24	80	0.43	-
4	100	76	91	67	47	59	31	28	130	0.49	-
5	99	77	92	66	47	58	30	29	98	0.45	-
6	97	78	91	67	43	58	25	26	99	0.40	-
7	100	75	92	65	43	57	26	27	113	0.47	-
8	99	74	91	64	43	55	29	28	96	0.44	-
9	95	77	90	66	47	56	30	26	64	0.37	-
10	99	75	92	65	45	56	30	28	121	0.47	-
11	97	73	91	64	45	59	32	33	77	0.42	-
12	96	74	90	63	48	59	38	34	102	0.40	-
13	93	72	89	62	49	56	36	29	101	0.34	-
14	95	73	90	63	47	57	37	34	119	0.39	0.02
15	90	70	86	61	46	56	39	36	110	0.32	-
16	88	69	85	59	46	55	41	37	98	0.29	-
17	87	68	84	60	46	51	39	30	112	0.28	-
18	88	69	86	61	47	47	37	25	113	0.33	-
19	89	67	85	59	39	47	34	31	97	0.35	-
20	82	63	79	56	39	43	36	31	48	0.25	-
21	78	61	75	55	38	42	38	27	122	0.22	-
22	81	62	76	56	32	41	28	24	111	0.27	-
23	83	60	77	54	33	40	33	27	105	0.31	-
24	78	59	74	53	33	35	35	22	84	0.25	-
25	79	58	75	52	28	32	27	22	65	0.24	-
26	78	56	73	49	26	32	28	23	63	0.26	-
27										0.25 *	-
28	76	54	71	47	28	21	32	13	189+	0.25	-
29	77	55	72	48	28	21	29	14	149	0.32	-
30	75	57	69	49	28	24	27	14	78	0.27	-
Tot:										10.40	0.02
Ave:											

* Estimated evaporation.
\+ Two days wind movement.

GAJ REST HOUSE

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	56	71	48	30	24	35	15	111	0.34	-
2	76	55	70	47	30	23	36	16	86	0.29	-
3	75	54	69	46	24	24	27	15	26	0.25	-
4	77	56	70	50	28	52	27	36	106	0.33	-
5	85	59	76	52	30	53	26	33	57	0.42	-
6	88	58	78	51	32	53	32	7	81	0.46	-
7	87	60	77	52	32	52	29	8	89	0.47	-
8	85	58	76	51	33	15	35	9	78	0.40	-
9	82	57	75	51	33	16	33	8	123	0.37	-
10	86	58	77	52	33	10	31	5	77	0.43	-
11											
12											
13	91	60	80	53	33	13	33	7	255 +	1.17+	-
14	86	58	75	51	33	12	35	8	78	0.42	-
15	83	56	73	50	33	11	38	8	89	0.37	-
16	80	55	72	49	34	11	41	8	137	0.34	-
17	78	54	71	48	28	21	32	13	87	0.28	-
18	77	56	70	49	28	24	29	13	87	0.24	-
19	80	57	74	51	28	24	27	14	87	0.29	-
20	78	58	73	50	28	27	25	14	85	0.23	-
21	82	62	76	52	28	33	23	20	81	0.26	-
22	80	58	75	50	26	53	23	21	87	0.24	-
23	78	57	74	49	26	26	28	18	95	0.22	-
24	74	54	72	47	28	26	35	17	89	0.19	-
25	77	55	73	49	28	26	32	16	76	0.22	-
26	78	56	73	50	28	28	29	18	85	0.21	-
27	80	52	74	51	44	39	55	28	94	0.23	-
28	84	56	73	51	38	36	51	25	57	0.20	-
29	83	55	73	52	45	31	68	19	21	0.19	-
30	84	54	71	52	40	26	52	16	210	0.20	-
31	84	56	71	51	43	18	63	11	89	0.18	-
Tot:										9.44	0.00
Ave:									88		

* 3 days observation.
3 days wind movement.

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Location Latitude 28°37', Longitude 67°29', towards west of PWD Rest House Gandava and just behind water supply pumping station.

Elevation 290 ± ft msl.

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.12.1964 and taken over by Surface Water Hydrology Project in December, 1965.

Instruments
5" Non-recording rain gauge.
Casella weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	3.01 inches
Evaporation (Pan)	142.32 inches
Absolute maximum air temperature	124 °F
Absolute minimum air temperature	31 °F

Remarks Annual figures calculated by estimating the days for which data was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

GANDAVA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	36			24	39	55	36	30	0.12	-
2	70	34			20	35	51	34	26	0.14	-
3	69	32			18	40	50	40	28	0.13	-
4	68	31			9	39	33	34	25	0.15	-
5	72	33			7	38	27	38	28	0.13	-
6	66	32			26	32	42	28	31	0.12	-
7	68	46			29	55	45	58	18	0.10	-
8	74	43			32	28	61	22	24	0.11	-
9	72	42			31	34	60	27	35	0.13	-
10	76	41			25	36	35	28	18	0.15	-
11	77	50			38	34	60	29	26	0.16	-
12	70	50			41	36	61	25	35	0.14	-
13	76	38			29	39	64	34	66	0.13	-
14	70	39			32	32	66	24	42	0.15	-
15	72	40			22	48	43	38	25	0.14	-
16	78	39			30	45	65	38	25	0.16	-
17	74	38			25	48	50	40	28	0.13	-
18	76	39			23	46	40	39	21	0.15	-
19	77	40			31	51	60	41	21	0.14	-
20	78	41			36	45	63	38	25	0.16	-
21	74	42			34	45	68	36	32	0.13	-
22	76	43			33	46	56	34	19	0.15	-
23	78	44			34	49	62	40	17	0.12	-
24	77	46			36	49	63	36	23	0.14	-
25	80	46			41	51	61	41	23	0.13	-
26	78	50			44	50	42	9	52	0.17	-
27	79	42			23	28	40	21	122	0.32	-
28	73	41			20	6	37	7	46	0.24	-
29	76	42			26	26	51	18	20	0.18	-
30	74	40			23	33	40	21	18	0.17	-
31	78	42			7	24	13	15	25	0.15	-
Tot:										4.64	0.00
Ave:	74	41							31		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	44			10	53	20	16	117	0.35	-
2	72	38			6	18	19	13	46	0.24	-
3	74	36			12	26	31	18	36	0.18	-
4	75	37			0	26	15	19	38	0.16	-
5	73	38			3	32	17	23	30	0.14	-
6	76	36			12	26	31	18	45	0.17	-
7	74	38			16	34	34	24	32	0.15	-
8	76	40			13	24	26	15	31	0.13	-
9	76	39			21	18	39	13	25	0.14	-
10	77	43			30	18	54	11	25	0.16	-
11	81	42			13	29	22	16	26	0.18	-
12	82	45			21	33	29	33	25	0.17	-
13	66	40			17	26	29	16	32	0.11	-
14	78	44			35	10	62	10	40	0.15	-
15	72	46			24	32	29	23	46	0.13	-
16	74	51			32	45	37	49	53	0.12	-
17	72	47			33	43	47	32	62	0.14	-
18	78	46			27	37	40	24	46	0.22	-
19	81	45			29	42	41	28	71	0.28	-
20	80	47			29	47	38	31	33	0.25	-
21	83	48			28	33	35	20	40	0.27	-
22	82	49			35	50	49	31	34	0.24	-
23	86	50			30	57	33	38	40	0.27	-
24	87	46			25	55	32	34	21	0.26	-
25	89	49			30	52	30	32	27	0.29	-
26	88	58			44	49	45	30	23	0.27	-
27	85	56			44	46	55	29	75	0.25	-
28	84	55			40	49	48	30	60	0.28	-
Tot:										5.70	0.00
Ave:	78	45							42		

GANDAVA

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M.	Dew Point 5 P.M.	Relative Humidity Percent 8 A.M.	Relative Humidity Percent 5 P.M.	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	54			42	53	50	40	48	0.27	-
2	88	56			43	47	47	26	33	0.29	-
3	89	58			46	61	56	36	33	0.31	-
4	93	57			38	64	38	40	34	0.32	-
5	95	59			47	57	57	30	37	0.34	-
6	94	58			48	60	53	31	43	0.33	-
7	97	56			41	56	41	29	37	0.35	-
8	94	61			38	63	28	33	43	0.32	-
9	99	59			43	67	44	34	37	0.34	-
10	102	62			39	64	36	29	37	0.36	-
11	104	63			45	61	46	26	36	0.38	-
12	105	64			47	60	47	26	38	0.37	-
13	103	62			48	59	47	26	37	0.39	-
14	102	64			42	61	36	26	39	0.36	-
15	104	62			41	66	38	31	47	0.37	-
16	105	66			46	63	41	33	37	0.39	-
17	100	62			39	60	34	29	20	0.32	-
18	99	65			42	61	34	36	62	0.44	-
19	93	62			50	58	48	32	42	0.32	0.18
20	94	61			51	60	59	31	46	0.30	-
21	96	63			48	59	42	33	49	0.36	-
22	94	69			50	64	43	35	33	0.32	-
23	98	70			54	59	43	33	27	0.36	-
24	94	71			63	56	64	31	60	0.35	-
25	92	67			55	55	51	30	91	0.38	-
26	91	58			35	51	34	27	53	0.34	-
27	90	54			35	36	39	16	46	0.31	-
28	93	58			42	33	36	11	41	0.35	-
29	97	61			41	49	41	20	32	0.37	-
30	98	62			43	31	37	9	35	0.38	-
31	102	64			42	41	36	34	54	0.39	-
Tot:										10.78	0.18
Ave:	96	62							42		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	65			43	58	32	22	36	0.44	-
2	106	67			34	58	24	20	43	0.43	-
3	109	66			32	62	23	23	45	0.45	-
4	110	68			42	61	23	24	37	0.48	-
5	107	63			43	55	29	24	47	0.47	-
6	99	72			38	51	25	21	60	0.46	-
7	100	73			48	56	38	22	28	0.42	-
8	105	71			50	56	37	20	28	0.45	-
9	107	74			50	49	39	14	42	0.46	-
10	110	76			41	48	18	16	77	0.65	-
11	107	74			59	46	46	17	76	0.50	-
12	101	77			48	17	32	5	63	0.40	0.05
13	99	75			57	28	40	31	44	0.44	-
14	96	78			59	69	41	37	88	0.48	-
15	102	80			53	65	33	33	56	0.46	-
16	98	72			55		6		51	0.47	-
17	97	64			11	44	8	16	50	0.49	-
18	99	66			32	37	22	25	41	0.50	-
19	101	72			13	48	2	19	61	0.48	-
20	100	74			45	39	27	15	66	0.46	-
21	96	61			39	47	30	20	111	0.51	-
22	95	62			37	45	22	17	38	0.45	-
23	100	64			47	44	30	14	39	0.48	-
24	102	66			39	57	20	18	43	0.50	-
25	106	68			53	55	40	19	44	0.49	-
26	107	67			47	44	31	13	38	0.52	-
27	108	69			51	55	35	19	47	0.54	-
28	109	76			47	59	30	24	65	0.58	-
29	104	78			65	49	53	17	77	0.61	-
30	105	77			57	41	38	12	127	0.60	-
Tot:										14.67	0.05
Ave:	103	71							56		

GANDAVA

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	75			43	54	25	25	83	0.64	-
2	102	72			54	45	43	15	70	0.65	-
3	103	74			62	58	52	22	52	0.62	-
4	105	78			63	61	39	26	56	0.56	-
5	106	80			64	61	48	22	59	0.57	-
6	112	77			59	69	44	28	47	0.55	-
7	113	79			53	71	31	26	44	0.59	-
8	116	82			59	68	31	25	59	0.66	-
9	115	85			64	61	40	19	79	0.72	-
10	114	76			57	68	30	33	71	0.64	-
11	105	82			56	61	29	26	102	0.46	-
12	106	80			61	53	36	17	70	0.49	-
13	109	81			61	47	40	18	190	1.08	-
14	100	78			52	50	36	23	138	0.76	-
15	94	72			52	55	38	27	81	0.57	-
16	97	73			49	51	36	18	49	0.51	-
17	104	71			52	54	38	16	44	0.48	-
18	111	76			56	47	40	12	42	0.49	-
19	112	78			55	45	30	12	87	0.84	-
20	109	75			45	55	19	19	101	0.75	-
21	107	78			55	48	34	12	57	0.54	-
22	113	80			63	57	30	15	38	0.52	-
23	117	84			65	56	41	17	62	0.75	-
24	112	82			56	58	31	17	40	0.57	-
25	114	81			58	57	35	19	61	0.54	0.10
26	109	78			47	53	23	13	57	0.59	-
27	117	79			54	59	21	15	59	0.71	-
28	122	94				54		13	61	0.76	-
29	121	88			56	39	28	7	60	0.78	-
30	120	85			51	63	24	27	46	0.65	-
31	122	84			57	55	30	14	52	0.69	-
Tot:										19.73	0.10
Ave:	110	79							68		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pal. Water Max	Pal. Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	120	87			72	54	49	15	92	0.72	-
2	114	82			46	56	18	20	55	0.64	-
3	107	85			50	56	20	16	53	0.48	-
4	115	81			48	49	22	13	48	0.62	-
5	114	84			52	51	25	13	47	0.63	-
6	116	78			52	55	28	14	63	0.68	-
7	118	82			51	39	24	17	42	0.72	-
8	117	85			59	64	31	6	41	0.61	-
9	116	82			58	54	32	13	35	0.59	-
10	119	84			55	49	28	11	46	0.61	-
11	120	76			53	45	31	10	61	0.71	-
12	117	80			54	47	32	10	46	0.59	-
13	118	82			59	27	33	5	54	0.61	-
14	115	84			48	80	22	40	53	0.60	-
15	112	86	106	76	65	57	38	16	58	0.58	-
16	115	85	108	80	69	72	46	28	63	0.61	-
17	114	88	107	82	73	72	50	26	66	0.64	-
18	117	89	109	81	76	78	53	30	69	0.66	-
19	120	84	110	81	52	63	52	16	59	0.72	-
20	122	81	108	74	80	57	62	13	44	0.75	-
21	122	93	110	77	57	61	19	14	54	0.78	-
22	124	92	104	75	50	59	14	14	99	1.06	-
23	122	88	106	74	55	43	24	8	71	1.02	-
24	120	94	105	81	73	70	40	26	94	0.80	-
25	114	90	107	84	79	72	52	24	57	0.72	-
26	121	85	109	78	66	74	37	24	59	0.77	-
27	122	88	108	79	73	69	50	23	64	0.75	-
28	119	90	106	80	69	76	42	33	65	0.71	-
29	113	92	107	82	70	74	41	35	104	0.68	-
30	110	90	101	83	76	73	51	28	89	0.66	-
Tot:										20.72	0.00
Ave:	117	86							62		

GANDAVA

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	115	91	105	82	73	74	50	33	71	0.64	-
2	111	92	107	81	79	69	61	28	99	0.61	-
3	112	90	108	83	74	75	46	30	66	0.58	-
4	115	92	109	82	79	77	56	30	79	0.64	-
5	120	89	110	81	73	74	50	29	96	0.70	-
6	115	90	108	82	70	77	47	31	81	0.62	-
7	116	91	110	83	72	75	47	31	82	0.59	-
8	113	88	108	80	76	72	58	26	76	0.57	-
9	116	89	109	82	70	78	44	32	87	0.61	-
10	115	87	108	80	76	73	58	32	85	0.65	-
11	112	89	109	81	66	73	36	26	83	0.63	-
12	117	90	110	83	77	72	58	29	83	0.60	-
13	112	92	107	81	74	75	44	30	84	0.58	-
14	114	94	106	83	79	74	48	27	80	0.61	-
15	116	92	107	85	71	45	45	12	79	0.59	-
16	108	94	102	84	81	77	55	31	83	0.54	-
17	116	90	107	85	78	76	56	30	90	0.62	-
18	115	91	110	84	59	75	31	30	57	0.59	-
19	114	92	108	82	71	78	45	34	63	0.61	-
20	114	93	107	84	72	76	45	30	86	0.58	-
21	115	94	109	85	73	72	40	31	73	0.65	-
22	113	95	108	84	73	77	42	61	69	0.56	-
23	111	78	107	80	74	64	60	70	88 *	0.30	2.10
24	106	81	98	79	77	70	69	31	35	0.14	-
25	110	78	107	76	73	74	65	33	66	0.31	0.58
26	111	83	106	81	75	78	65	39	41	0.30	-
27	110	84	108	82	77	77	63	37	28	0.32	-
28	112	87	110	84	76	75	61	34	47	0.38	-
29	111	83	109	85	75	76	57	41	60	0.44	-
30	105	90	103	83	80	77	65	36	54	0.42	-
31			106	82	74	76	57	37	71	0.51	-
Tot:										16.49	2.68
Ave:			107	82					72		

* Estimated evaporation.

GANDAVA

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	87	105	83	75	77	57	37	62	0.46	-
2	109	88	107	84	78	73	67	32	73	0.48	-
3	110	87	106	83	73	78	57	41	78	0.48	-
4	107	88	104	84	77	79	58	39	67	0.42	-
5	109	90	105	82	74	77	60	36	87	0.49	-
6	110	85	106	80	75	74	65	33	92	0.48	-
7	109	83	105	81	74	71	65	34	86	0.44	-
8	106	86	105	84	74	76	52	37	66	0.40	-
9	108	87	104	85	76	78	60	38	93	0.48	-
10	110	90	107	85	79	80	61	38	66	0.49	-
11	111	86	108	82	75	75	60	36	100	0.52	-
12	107	85	105	83	78	72	69	33	104	0.47	-
13	108	84	106	82	75	69	65	34	93	0.44	-
14	103	86	104	83	76	75	60	38	81	0.48	-
15	106	88	105	82	74	74	52	37	79	0.51	-
16	106	86	104	81	77	75	58	34	76	0.49	-
17	110	87	108	83	76	78	58	41	67	0.48	-
18	107	84	105	80	73	73	62	36	85	0.46	-
19	106	82	102	79	74	76	68	37	78	0.44	-
20	108	83	104	78	71	74	58	39	74	0.46	-
21	104	84	102	80	74	73	60	34	67	0.43	-
22	107	86	103	82	76	66	58	31	71	0.42	-
23	103	76	100	73	65	70	53	33	95	0.40	-
24	105	82	102	75	71	72	51	33	46	0.42	-
25	108	84	103	80	77	71	67	34	62	0.45	-
26	106	83	102	81	74	75	57	34	69	0.40	-
27	107	82	100	78	71	76	58	37	54	0.38	-
28	108	80	102	79	69	70	58	29	56	0.41	-
29	109	78	101	77	68	73	52	32	58	0.44	-
30	110	78	103	79	71	72	61	33	47	0.39	-
31	108	79	102	78	67	67	49	28	47	0.41	-
Tot:										13.92	0:00
Ave:	108	84	104	81					74		

GANDAVA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	107	84	103	82	71	75	58	35	57	0.38	-
2	109	78	104	79	68	70	58	31	57	0.40	-
3	108	72	102	76	65	61	56	22	45	0.37	-
4	109	76	103	75	67	60	57	21	52	0.39	-
5	108	80	102	77	70	65	55	26	56	0.42	-
6	107	78	104	76	69	74	58	35	57	0.46	-
7	109	80	105	79	70	69	55	30	60	0.47	-
8	107	86	104	77	73	65	57	27	55	0.45	-
9	106	84	102	82	70	67	51	28	70	0.41	-
10	107	83	103	81	74	72	60	33	71	0.39	-
11	108	82	101	83	75	69	57	30	66	0.37	-
12	107	84	100	81	74	71	57	34	64	0.39	-
13	106	82	102	80	71	75	49	35	56	0.42	-
14	109	84	105	78	72	62	47	23	58	0.44	-
15	108	70	97	66	37	58	22	22	76	0.49	-
16	106	68	96	63	55	55	39	21	38	0.36	-
17	103	78	98	66	64	64	53	25	56	0.38	-
18	108	69	100	72	60	58	54	20	31	0.42	-
19	109	68	102	69	59	56	53	20	28	0.45	-
20	107	69	99	67	57	53	53	17	43	0.41	-
21	108	72	98	69	61	52	51	17	47	0.39	-
22	106	76	100	71	63	55	53	19	36	0.35	-
23	108	72	99	70	62	55	55	16	50	0.37	-
24	112	74	102	71	60	44	48	12	46	0.42	-
25	111	75	99	72	64	53	59	18	59	0.44	-
26	105	76	98	74	65	53	56	20	47	0.38	-
27	102	75	97	73	61	59	47	24	43	0.36	-
28	104	74	100	76	65	63	56	26	46	0.37	-
29	104	75	99	74	46	59	63	23	50	0.35	-
30	105	68	101	69	58	55	50	19	40	0.39	-
Tot:										12.09	0.00
Ave:	107	76	101	74					52		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	107	67	100	70	57	50	49	15	41	0.41	-
2	107	74	98	71	65	51	53	21	57	0.44	-
3	97	73	92	72	61	53	49	22	55	0.41	-
4	98	74	95	75	77	54	51	23	31	0.37	-
5	100	71	98	70	61	43	57	13	51	0.39	-
6	103	72	99	68	59	48	57	16	27	0.42	-
7	104	74	100	70	62	53	58	18	28	0.40	-
8	105	67	98	65	55	52	49	19	30	0.44	-
9	104	63	96	62	50	54	43	20	20	0.43	-
10	105	66	95	63	49	55	40	20	31	0.41	-
11	104	64	97	61	51	52	41	17	31	0.38	-
12	106	70	95	65	47	47	37	18	43	0.39	-
13	100	72	92	67	60	59	48	28	47	0.43	-
14	99	69	95	68	61	59	60	27	24	0.41	-
15	100	72	97	70	62	59	58	31	22	0.38	-
16	96	73	94	71	63	63	58	38	27	0.37	-
17	94	72	92	70	62	64	58	35	26	0.39	-
18	96	66	95	68	59	49	62	19	32	0.36	-
19	100	67	94	66	54	54	51	21	32	0.35	-
20	101	68	95	65	54	55	48	22	28	0.34	-
21	100	66	94	64	50	51	48	18	34	0.32	-
22	103	63	93	62	51	55	49	19	34	0.36	-
23	105	64	92	60	49	53	40	18	32	0.33	-
24	104	66	93	64	53	53	47	22	36	0.34	-
25	98	64	92	63	54	54	57	23	45	0.32	-
26	100	65	94	62	57	58	65	24	26	0.34	-
27	102	63	95	61	51	57	49	25	27	0.36	-
28	100	65	92	64	54	57	54	27	28	0.33	-
29	98	68	93	66	57	62	53	37	29	0.35	-
30	94	70	91	67	58	57	50	30	28	0.32	-
31	95	69	92	65	56	53	52	24	26	0.31	-
Tot:										11.60	0.00
Ave:	101	68	95	66					33		

GANDAVA

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	72	93	69	63	61	61	33	29	0.34	-
2	95	70	92	68	61	54	60	23	29	0.36	-
3	97	66	90	62	55	59	51	31	37	0.34	-
4	96	68	92	66	58	55	59	27	30	0.37	-
5	97	65	91	64	54	51	54	24	27	0.39	-
6	96	63	89	61	54	48	60	22	35	0.35	-
7	93	64	87	62	53	54	64	26	38	0.32	-
8	95	63	91	64	50	51	55	26	15	0.37	-
9	94	60	89	59	49	55	54	30	24	0.31	-
10	93	64	87	62	51	53	56	30	16	0.29	-
11	92	61	88	60	48	57	53	37	19	0.31	-
12	89	63	85	61	55	56	64	36	27	0.27	-
13	90	64	87	62	57	59	74	41	34	0.24	-
14	88	56	86	61	48	50	65	28	13	0.22	-
15	89	52	85	53	42	53	54	33	19	0.20	-
16	88	54	83	55	42	55	50	34	16	0.19	-
17	87	56	84	57	44	50	51	31	20	0.21	-
18	86	59	82	55	44	52	48	32	20	0.23	-
19	87	54	84	53	41	37	46	22	25	0.18	-
20	83	40	81	42	27	35	47	23	36	0.20	-
21	78	44	74	45	28	41	44	24	32	0.22	-
22	84	41	83	43	29	40	53	26	21	0.24	-
23	80	42	77	44	28	46	48	29	21	0.23	-
24	83	38	75	41	29	40	39	26	21	0.18	-
25	81	41	74	42	27	44	47	28	19	0.19	-
26	82	42	73	43	28	42	52	27	25	0.20	-
27	81	39	72	41	21	40	39	26	23	0.16	-
28	80	38	73	42	9	48	21	33	26	0.14	-
29	82	40	74	43	24	40	45	27	20	0.17	-
30	79	41	73	42	25	37	46	23	21	0.13	-
Tot:										7.55	0.00
Ave:	88	54	83	54					25		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	42	74	44	26	42	42	28	17	0.15	-
2	79	43	75	45	27	43	47	29	14	0.18	-
3	78	45	76	43	36	48	58	33	21	0.16	-
4	82	48	75	47	38	46	60	33	18	0.14	-
5	80	50	74	49	42	47	72	30	15	0.17	-
6	85	48	81	47	38	45	60	30	17	0.19	-
7	81	47	78	49	36	43	58	29	15	0.15	-
8	84	48	82	52	35	48	49	33	21	0.13	-
9	83	50	78	51	41	49	66	34	13	0.12	-
10	82	46	79	48	37	46	64	29	16	0.14	-
11	84	44	82	47	29	44	45	28	23	0.16	-
12	83	38	75	42	22	37	43	24	21	0.12	-
13	78	39	73	41	28	41	58	30	25	0.11	-
14	78	38	72	40	17	39	31	30	21	0.13	-
15	76	34	71	41	15	43	38	32	16	0.12	-
16	77	36	70	42	30	41	54	31	18	0.14	-
17	76	37	72	41	22	42	47	28	16	0.16	-
18	79	38	73	43	22	46	43	33	14	0.11	-
19	82	41	74	42	24	45	45	25	17	0.15	-
20	86	38	75	43	25	45	50	32	14	0.13	-
21	79	39	72	42	24	49	45	36	20	0.15	-
22	80	38	74	43	17	36	31	25	21	0.14	-
23	76	40	70	42	24	43	45	31	26	0.12	-
24	78	38	72	41	18	42	36	34	16	0.13	-
25	75	40	71	42	28	43	52	32	15	0.16	-
26	76	36	70	40	16	44	34	33	12	0.17	-
27	77	41	73	44	29	39	53	28	16	0.15	-
28	76	42	72	43	30	41	54	33	21	0.14	-
29	74	41	70	45	28	44	52	35	18	0.12	-
30	76	43	72	42	19	32	28	26	20	0.13	-
31	71	48	69	49	34	32	48	23	26	0.16	-
Tot:										4.43	0.00
Ave:	79	42	73	44					12		

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Location Latitude 28°00', Longitude 69°18', in Ruk Agricultural Farm near Ghotki on National Highway at furlong stone 359/7

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.7.63 and taken over by Surface Water Hydrology Project in December 1965.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	1.86 inches
Evaporation (Pan)	104.55 inches
Absolute maximum air temperature	117 °F
Absolute minimum air temperature	33 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

GHOTKI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	63	34			35	44	68	51	17	0.09	-
2	64	36			35	47	90	61	15	0.09	-
3	63	34			33	41	90	49	17	0.10	-
4	63	35			35	48	90	53	16	0.09	-
5					26	37	78	40	20	0.13	-
6					33	41	81	49	21	0.10	-
7					42	50	92	62	8	0.12	-
8	67	40			38	49	83	58	34	0.11	-
9	68	36			38	51	91	59	17	0.11	-
10					36	49	63	58	25	0.13	-
11	68	46			43	50	78	52	28	0.15	-
12	65	38			39	49	39	61	31	0.09	-
13	66	38			39	49	91	66	27	0.08	-
14	64	37			38	50	91	62	33	0.10	-
15	66	36			35	50	90	58	37	0.11	-
16					39	48	91	47	23	0.10	-
17	72	41			41	54	92	60	33	0.13	-
18	72	40			41	49	84	61	20	0.10	-
19	69	40			43	49	85	54	28	0.13	-
20	70	38			32	58	73	70	15	0.12	-
21	72	37			38	54	91	57	35	0.14	-
22	73	37			38	54	83	54	14	0.12	-
23	74	42			45	52	45	42	19	0.12	-
24	78	43			46	60	46	60	27	0.10	-
25	80	43			46	57	85	49	26	0.11	-
26	78	48			48	45	86	38	28	0.13	-
27	74	44			27	40	47	37	113	0.32	-
28	70	33			35	41	35	41	27	0.15	-
29	76	34			35	46	90	39	10	0.10	-
30	73	35			32	52	66	50	35	0.12	-
31	76	41			36	51	69	56	52	0.24	-
Tot:										3.83	0.00
Ave:									27		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	38			36	50	75	53	95	0.23	-
2	72	36			32	50	66	53	38	0.21	-
3	72	40			38	48	85	47	42	0.19	-
4	70	41			41	42	92	36	49	0.23	-
5	72	41			38	54	83	54	31	0.18	-
6	73	40			40	64	84	63	18	0.18	-
7	68	39			39	54	41	60	19	0.14	-
8	69	33			32	51	90	52	20	0.12	-
9	74	34			33	43	81	32	19	0.13	-
10	78	36			39	39	84	32	11	0.15	-
11	77	40			35	43	57	31	14	0.14	-
12	80	45			43	43	78	41	20	0.15	-
13	77	42			40	47	84	47	28	0.12	-
14	70	43			47	49	93	58	40	0.11	-
15	68	46			49	51	100	62	97	0.18	-
16	70	45			49	53	100	64	49	0.16	-
17	73	47			50	53	93	60	25	0.09	-
18	74	49			51	55	87	61	14	0.14	-
19	76	48			50	57	87	65	16	0.13	-
20	78	46			46	51	92	59	17	0.11	-
21	79	44			40	48	71	47	12	0.12	-
22					49	53	80	47	40	0.15	-
23	80	52			51	56	87	44	48	0.16	-
24	82	51			46	59	64	46	25	0.18	-
25	86	54			51	58	66	50	35	0.19	-
26	89	53			55	63	82	61	73	0.20	-
27										0.15 *	-
28										0.16 *	-
Tot:										4.40	0.00
Ave:											

* Estimated evaporation.

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					56	65	34	56	60 +	0.15 *	-
2	88	52			51	58	76	43	49	0.17	-
3	84	51			48	63	70	46	69	0.16	-
4	92	52			53	61	72	42	22	0.23	-
5	90	51			54	54	68	32	20	0.19	-
6	94	51			45	46	46	23	16	0.24	-
7	90	55			53	47	68	25	30	0.22	-
8	91	53			52	60	67	34	22	0.19	-
9	94	53			59	63	83	36	11	0.22	-
10	98	52			59	59	88	33	17	0.23	-
11	98	53			57	57	88	27	19	0.24	-
12	99	53			59	61	88	30	10	0.23	-
13	100	54			60	60	94	31	10	0.24	-
14	102	56			57	57	78	27	11	0.21	-
15	100	53			56	66	82	37	10	0.21	-
16	101	56			57	61	78	36	8	0.21	-
17	98	60			58	65	70	35	12	0.19	-
18	99	65			66	65	80	49	22	0.21	-
19	90	61			60	63	79	47	33	0.20	-
20	90	60			55	60	61	42	20	0.19	-
21	89	63			37	62	75	41	70	0.27	-
22	96	60			59	65	74	35	26	0.28	-
23	97	61			58	57	66	34	49	0.21	-
24	92	65			61	60	67	34	70	0.30	-
25	102	60			64	67	72	34	44	0.27	-
26	103	62			61	52	57	23	27	0.28	-
27	98	57			62	47	71	20	31	0.26	-
28	[illegible]	[illegible]			57	61	[illegible]	35	[illegible]	0.28	-
29	97	62			56	57	52	30	13	0.23	-
30	96	62			60	54	70	26	21	0.23	-
31	97	60			55	44	61	16	27	0.24	-
Tot:										6.98	0.00
Ave:											

* Estimated evaporation.
\+ 3 days wind movement.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	58			57	43	62	15	23	0.30	-
2	102	59			53	39	53	11	24	0.32	-
3	105	58			55	46	58	14	18	0.28	-
4	107	61			58	41	59	12	42	0.32	-
5	105	60			57	39	58	11	35	0.30	-
6	107	67			53	56	40	22	28	0.28	-
7	105	69			51	45	39	15	47	0.30	-
8	104	67			51	53	35	20	18	0.31	-
9	107	68			55	52	41	17	17	0.32	-
10	107	68			53	58	38	20	30	0.32	-
11	104	70			59	57	46	25	48	0.38	-
12	102	73			60	33	54	40	67	0.39	-
13	91	65			63	58	68	39	124	0.43	-
14	95	70			61	70	54	44	21	0.30	-
15	102	76			62	65	50	41	46	0.39	-
16	96	74			39	51	24	24	54	0.45	-
17	94	60			29	40	16	16	54	0.43	-
18	94	56			42	50	34	22	38	0.40	-
19	101	67			49	52	34	28	31	0.45	-
20	95	68			58	46	59	21	60	0.35	-
21	92	63			55	41	61	24	68	0.36	-
22	88	58			50	26	62	10	46	0.31	-
23	94	53			50	30	55	10	18	0.35	-
24	98	55			44	48	42	17	24	0.40	-
25	102	62			48	39	40	11	17	0.39	-
26	104	60			49	44	40	16	41	0.38	-
27	105	68			54	48	43	14	38	0.37	-
28	108	76			48	52	28	25	62	0.48	-
29	96	66			50	25	39	8	57	0.37	-
30	98	61			43	27	32	9	57	0.40	-
Tot:										10.83	0.00
Ave:	100	65							42		

GHOTKI

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in. inches	Rain in inches
1	96	59	92	54	37	49	23	24	114	0.52	-
2	92	61	85	61	46	61	34	32	50	0.48	-
3	97	72	89	59	50	67	31	33	24	[illegible].39	-
4	103	73	90	62	53	70	38	41	91	0.47	-
5	100	69	93	65	61	59	47	24	31	0.44	-
6	106	68	95	65	54	52	37	16	19	0.37	-
7	111	70	98	68	67	64	60	26	20	0.39	-
8	110	75	98	69	74	66	71	27	16	0.45	-
9	110	77	100	72	69	70	58	31	32	0.48	-
10	111	81	100	69	64	62	48	29	60	0.60	-
11	104	77	88	67	66	63	56	30	115	0.60	-
12	102	74	97	68	63	51	53	18	33	0.45	-
13	104	71	92	69	61	51	51	24	68	0.45	-
14	97	70	93	60	55	55	39	34	70	0.48	-
15	95	71	91	63	55	50	43	23	133	0.44	-
16	93	72	90	60	49	64	34	32	39	0.43	-
17	102	75	93	64	57	55	37	20	27	0.45	-
18	105	73	96	68	58	38	43	10	18	0.38	-
19	107	72	92	62	54	58	37	26	73	0.42	-
20	104	71	94	59	53	55	38	24	80	0.45	-
21	103	75	96	62	53	54	33	23	30	0.45	-
22	106	75	96	64	59	62	44	25	36	0.48	-
23	109	78	96	67	57	61	38	26	29	0.46	-
24	107	79	94	68	61	64	40	26	49	0.47	-
25	109	78	98	69	59	64	34	26	30	0.45	-
26	107	75	96	64	52	66	28	29	48	0.43	-
27	109	77	99	67	60	59	38	23	25	0.46	-
28	106	77	97	67	62	69	41	28	46	0.44	-
29	112	80	102	68	74	73	65	33	33	0.51	-
30	117	81	103	71	75	64	65	26	28	0.53	-
31	109	81	102	73	77	64	72	26	32	0.46	-
Tot:										14.28	0.00
Ave:	105	74	95	65					48		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	113	80	100	71	77	78	79	39	61	0.45	-
2	109	80	102	73	73	77	68	42	40	0.49	-
3	107	82	99	74	77	57	69	19	36	0.45	-
4	110	78	100	68	77	55	76	18	31	0.46	-
5	110	75	99	69	65	61	44	20	26	0.49	-
6	112	77	102	67	59	60	49	19	32	0.52	-
7	113	79	99	70	49	57	51	17	40	0.54	-
8	114	78	98	69	71	63	58	23	56	0.49	-
9	113	78	100	73	73	61	65	20	38	0.47	-
10	112	79	98	72	75	66	75	23	58	0.47	-
11	112	79	99	72	73	63	68	23	53	0.44	-
12	110	80	101	74	75	65	72	24	58	0.48	-
13	110	81	100	72	77	57	79	19	59	0.49	-
14	108	80	99	72	77	63	79	24	68	0.53	-
15	107	81	98	72	78	58	79	22	69	0.45	-
16	106	81	98	73	77	57	76	21	70	0.45	-
17	106	82	99	73	74	64	68	25	42	0.49	-
18	109	82	99	71	78	65	73	24	103	0.52	-
19	112	83	99	70	79	70	73	26	64	0.50	-
20	114	82	103	74	76	72	66	28	98	0.50	-
21	113	83	102	75	80	65	76	21	66	0.49	-
22	115	83	103	75	80	61	76	19	73	0.52	-
23	113	77	102	73	79	68	83	29	66	0.47	-
24	110	84	100	73	81	59	77	22	93	0.56	-
25	107	82	100	74	75	67	65	26	42	0.44	-
26	112	81	99	72	78	68	83	27	62	0.46	-
27	111	81	101	71	75	72	72	33	66	0.43	-
28	109	80	101	73	71	72	61	29	70	0.45	-
29	114	85	98	75	73	61	62	22	82	0.45	-
30	109	83	97	70	76	56	66	20	37	0.37	-
Total										14.32	0.00
Ave:	110	81	100	72					59		

GHOTKI

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	82	98	74	74	61	68	22	89	0.48	-
2	107	82	100	74	77	71	72	35	66	0.46	-
3	105	83	99	75	77	73	76	36	63	0.44	-
4	108	83	100	71	77	67	69	26	55	0.47	-
5	111	80	98	72	75	68	72	25	87	0.53	-
6	112	80	100	72	77	72	79	31	83	0.50	-
7	109	79	99	72	75	71	75	34	85	0.49	-
8	108	78	98	71	74	70	71	31	95	0.54	-
9	109	80	98	72	77	71	79	34	109	0.57	-
10	107	81	98	72	78	71	79	34	104	0.52	-
11	106	81	99	73	77	74	76	33	86	0.49	-
12	109	82	100	73	77	69	76	31	86	0.49	-
13	107	83	99	76	80	74	76	35	50	0.45	-
14	108	86	101	78	79	77	70	36	42	0.43	-
15	110	86	101	75	74	77	65	42	91	0.49	-
16	105	86	96	75	81	78	84	44	53	0.45	-
17	108	82	101	74	77	75	76	38	83	0.48	-
18	107	81	100	73	76	75	75	38	94	0.50	-
19	106	82	100	72	77	75	76	41	73	0.44	-
20	108	82	100	74	77	74	76	39	69	0.41	-
21	104	86	101	81	81	76	70	38	39	0.35	-
22	108	88	98	78	79	77	56	42	79	0.48	-
23	105	84			81	68	80	38	108	0.51	-
24	103	76	100	73	79	81	87	57	54	0.35 *	1.86
25	99	80	98	72	76	83	83	63	47	0.38	-
26	98	80	93	71	76	83	75	56	49	0.30	-
27	102	82	100	72	77	80	76	48	39	0.32	-
28	103	80	99	71	75	78	75	42	68	0.38	-
29	106	80	99	72	75	69	79	40	77	0.42	-
30	100	80	94	72	74	81	71	49	74	0.44	-
31	105	79	100	73	76	79	79	44	61	0.39	-
Tot:										13.95	1.86
Ave:	106	82							73		

* Estimated evaporation.

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	78	98	72	75	74	79	39	67	0.39	-
2	105	80	100	73	77	79	79	50	62	0.37	-
3	103	80	99	74	77	76	83	47	67	0.35	-
4	102	82	98	74	78	79	79	48	52	0.32	-
5	103	81	100	74	76	76	75	43	54	0.36	-
6	104	79	96	72	76	70	83	41	81	0.39	-
7	99	77	93	70	76	72	87	43	71	0.33	-
8	100	79	94	72	74	71	75	41	55	0.38	-
9	100	78	95	72	74	73	78	40	57	0.37	-
10	103	80	100	75	76	74	75	42	62	0.42	-
11	102	81	99	71	76	70	79	41	50	0.38	-
12	101	78	97	70	74	73	78	44	77	0.37	-
13	100	77	96	71	73	69	78	42	75	0.38	-
14	98	79			73	70	71	41	47	0.29	-
15	98	80	97	74	75	73	72	40	38	0.33	-
16	104	82	101	76	75	73	69	40	34	0.39	-
17	103	78	98	71	73	71	71	41	55	0.39	-
18	101	77	98	72	73	69	78	39	73	0.37	-
19	100	78	98	73	74	73	75	44	53	0.35	-
20	104	78	101	74	75	73	79	44	70	0.38	-
21	103	79	98	73	74	71	75	39	38	0.36	-
22	101	77	99	74	73	69	75	39	57	0.39	-
23	100	78	98	72	73	73	71	40	48	0.39	-
24	104	80	100	76	77	70	79	41	44	0.39	-
25	102	78	99	73	74	72	75	45	78	0.40	-
26	103	74	98	72	72	74	74	48	32	0.34	-
27	101	76	97	72	72	72	71	43	35	0.31	-
28	101	75	99	71	69	73	70	40	29	0.33	-
29	102	76	97	71	73	76	78	47	42	0.36	-
30	103	76	99	72	73	72	78	43	38	0.32	-
31	101	76	98	72	73	75	78	49	33	0.30	-
Tot:										11.20	0.00
Ave:	102	78							54		

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	75	97	70	71	73	74	42	41	0.31	-
2	101	74	97	70	73	78	75	49	45	0.32	-
3	102	74	98	69	73	75	82	46	33	0.32	-
4	102	76	98	71	73	78	78	49	39	0.30	-
5	101	76	98	70	73	77	75	47	20	0.31	-
6	102	75	98	70	72	77	82	47	48	0.33	-
7	102	75	98	69	71	72	74	43	26	0.27	-
8	100	79	95	70	73	71	71	45	76	0.34	-
9	98	78	92	71	73	70	68	41	74	0.33	-
10	99	79	94	71	74	68	68	38	56	0.36	-
11	99	77	93	70	74	72	71	45	65	0.37	-
12	100	78	97	72	72	73	65	44	33	0.33	-
13	102	77	96	72	72	72	71	40	38	0.31	-
14	103	75	98	71	74	60	83	29	24	0.27	-
15	99	67	98	60	54	68	54	38	48	0.38	-
16	100	70	91	62	69	70	67	44	51	0.29	-
17	96	74	91	71	76	74	83	46	48	0.29	-
18	99	72	95	69	67	68	66	38	21	0.28	-
19	103	66	96	65	67	65	77	35	17	0.26	-
20	102	68	95	66	70	64	81	33	16	0.22	-
21	101	69	95	66	66	63	56	33	17	0.25	-
22	100	69	94	66	68	66	66	36	23	0.25	-
23	103	67	94	65	68	69	77	57	20	0.25	-
24	103	70	93	66	70	71	86	39	30	0.27	-
25	103	72	94	67	72	74	90	42	29	0.28	-
26	102	73	92	66	73	75	91	43	38	0.27	-
27	103	74	93	68	74	79	78	59	31	0.27	-
28	100	73	95	68	73	75	86	53	20	0.24	-
29	101	69	94	66	69	69	86	39	20	0.23	-
30	101	68	94	62	68	70	81	41	25	0.21	-
Tot:										8.71	0.00
Ave:	101	73	95	68					36		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	71	91	64	70	71	86	41	32	0.21	-
2	102	73	94	67	71	70	86	48	23	0.24	-
3	94	73	89	65	62	69	58	50	69	0.29	-
4	96	71	93	65	70	70	86	47	30	0.22	-
5	98	69	93	65	71	66	90	39	12	0.21	-
6	99	66	91	63	71	67	90	38	18	0.22	-
7	100	65	93	64	70	71	90	43	11	0.22	-
8	101	64	94	62	69	83	90	36	12	0.19	-
9	100	66	90	61	69	64	95	32	16	0.20	-
10	103	65	91	60	67	67	90	38	22	0.24	-
11	102	64	90	62	67	65	85	35	14	0.23	-
12	101	65	92	58	67	61	81	32	29	0.22	-
13	97	67	94	62	64	62	68	37	52	0.24	-
14	96	67	92	60	67	59	81	33	27	0.23	-
15	98	69	90	64	70	68	90	38	14	0.21	-
16	101	72	91	63	61	70	63	48	61	0.29	-
17	93	70	84	62	63	70	68	47	73	0.31	-
18	96	66	87	62	67	74	90	52	25	0.21	-
19	97	65	89	62	66	75	85	49	12	0.20	-
20	101	62	91	61	65	76	89	51	8	0.21	-
21	100	62	91	60	65	75	95	50	29	0.20	-
22	98	65	89	61	65	69	85	42	37	0.22	-
23	99	63	88	58	64	64	85	40	26	0.19	-
24	99	60	90	59	61	63	79	41	33	0.23	-
25	95	59	88	56	59	61	74	36	17	0.20	-
26	98	63	87	59	63	71	80	45	17	0.18	-
27	99	61	86	58	59	75	79	49	15	0.20	-
28	102	62	87	59	56	71	65	45	11	0.18	-
29	98	65	84	59	62	68	75	52	41	0.22	-
30	90	70	82	59	59	70	59	53	75	0.22	-
31	89	62	84	59	63	70	84	53	30	0.19	-
Tot:										6.82	0.00
Ave:	98	66	90	61					29		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	68	84	57	63	73	75	54	18	0.21	-
2	93	62	83	56	63	77	80	58	15	0.20	-
3	96	61	85	57	58	73	66	52	15	0.18	-
4	96	61	85	58	66	70	80	47	15	0.17	-
5	94	62	85	58	57	60	65	34	15	0.20	-
6	96	62	85	59	56	51	55	26	33	0.19	-
7	92	60	81	55	61	64	84	44	48	0.21	-
8	95	59	83	55	59	59	83	37	14	0.18	-
9	96	58	83	54	53	49	60	26	22	0.17	-
10	89	62	81	55	49	49	51	29	42	0.19	-
11	88	59	79	53	55	53	64	33	36	0.20	-
12	87	60	79	55	51	65	56	49	26	0.18	-
13	88	63	79	56	57	65	65	53	36	0.17	-
14	84	56	77	53	57	63	83	53	33	0.16	-
15	83	55	78	51	56	60	82	48	16	0.17	-
16	88	58	78	53	52	59	71	40	19	0.18	-
17	91	59	78	51	44	45	45	30	32	0.19	-
18	83	55	74	49	51	48	71	32	46	0.20	-
19	83	54	75	49	47	33	61	20	21	0.17	-
20	82	47	73	41	40	35	60	23	49	0.22	-
21	78	45	68	42	39	51	77	41	42	0.19	-
22	77	41	66	40	38	18	76	12	25	0.20	-
23	76	39	66	38	43	41	92	30	38	0.17	-
24	77	38	67	37	34	49	62	43	17	0.16	-
25	76	37	67	36	35	49	82	36	22	0.15	-
26	79	37	74	38	38	48	83	38	20	0.18	-
27	79	39	67	38	43	50	92	39	14	0.16	-
28	81	42	68	38	36	44	63	33	19	0.19	-
29	78	37	66	37	30	48	49	40	31	0.15	-
30	76	38	66	38	31	49	73	43	31	0.16	-
Tot:										5.45	0.00
Ave:	86	52	76	49					27		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	38	64	37	37	50	76	43	14	0.14	-
2	75	41	66	38	39	44	77	33	12	0.15	-
3	76	45	67	40	45	54	85	46	18	0.16	-
4	79	49	66	43	45	54	79	41	14	0.13	-
5	85	51	71	46	43	61	63	54	20	0.14	-
6	80	44	67	45	47	56	93	44	37	0.15	-
7	82	45	69	44	46	62	85	52	13	0.11	-
8	84	46	70	45	45	51	79	39	12	0.13	-
9	82	48	70	43	36	57	63	49	16	0.10	-
10	81	45	72	41	35	49	68	40	24	0.12	-
11											-
12											-
13											-
14											-
15											-
16	80	37	71	40	45	51	85	41	99 +	0.77+	-
17	79	37	68	37	42	45	92	36	15	0.10	-
18	76	41	66	40	36	50	82	39	13	0.11	-
19	79	40	67	39	37	48	83	42	19	0.11	-
20	74	38	66	39	41	49	92	40	27	0.12	-
21	76	41	66	38	35	46	68	41	26	0.13	-
22	74	43	64	38	37	42	64	36	27	0.12	-
23	73	42	65	39	38	41	76	31	29	0.11	-
24	76	40	66	38	37	43	76	32	15	0.10	-
25	76	42	64	39	38	35	83	23	8	0.11	-
26	77	40	65	39	40	55	91	51	10	0.09	-
27	77	42	73	40	38	49	70	45	14	0.12	-
28	75	47	65	40	35	45	62	40	29	0.11	-
29	73	45	64	40	35	44	68	34	46	0.13	-
30			63	41	39	50	77	55	53	0.12	-
31	71	46	63	42	40	51	71	52	42	0.11	-
Tot:										3.79	0.00
Ave:									21		

+ 6 days observation.

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Location	Latitude 31°09', Longitude 72°41',
Elevation	550 ± ft msl.
Period of record	February 1962 to date, station established by Surface Water Hydrology Project, WAPDA.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Precipitation 12.98 inches Evaporation (Pan) 101.31 inches Absolute maximum air temperature 117 °F Absolute minimum air temperature 32 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	69	38			35	44	82	51		0.07	-
2	67	35			33	35	81	36		0.07	-
3	68	33			30	37	80	37		0.06	-
4	67	34			25	40	62	40		0.08	-
5	66	32			27	41	70	43		0.08	-
6					31	41	73	53		0.10	-
7					36	42	75	54		0.07	-
8	62	33			30	45	80	49		0.05	-
9					37	45	83	46		0.08	-
10	73	40			36	43	75	41		0.11	-
11	71	35			31	45	73	52		0.11	-
12					42	46	72	83		0.11	0.03
13	58	38			35	48	82	65		0.04	0.11
14	64	34			32	44	81	48		0.08	-
15	68	37			32	49	73	54		0.09	-
16	71	36			32	43	73	44		0.11	-
17	71	36			31	48	73	50		0.12	-
18	71	39			37	48	76	53		0.10	-
19	73	39			35	43	74	41		0.12	-
20	70	39			33	39	74	34		0.12	-
21	72	40			35	48	74	50		0.14	-
22	72	40			36	48	75	47		0.12	-
23	73	42			37	46	76	39		0.11	-
24	77	43			40	50	77	55		0.15	-
25	74	46			43	51	73	56		0.10	-
26	75	50			45	41	79	72		0.12	-
27	79	47			37	40	59	40		0.16	-
28	70	40			37	47	76	47		0.17	-
29	72	39			30	37	65	29		0.15	-
30	74	40			39	39	70	32		0.16	-
31	74	42			41	44	77	51		0.14	-
Tot:										3.29	0.14
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	43			40	40	77	40		0.10	0.02
2											
3											
4											
5											
6											
7											
8											
9	74	41			34	47	62	47		0.16	-
10	72	42			37	46	76	43		0.13	-
11	72	43			40	45	71	38		0.12	-
12	77	43			39	44	77	42		0.15	-
13	77	44			50	53	87	72		0.18	0.04
14	66	42			40	47	77	57		0.10	-
15	66	45			39	48	70	65			-
16	79	48			50	53	81	68			0.23
17	66	45			46	55	85	64		0.06	-
18	76	47			43	48	78	50		0.11	-
19	70	43			39	49	77	51		0.13	-
20	72	44			39	62	77	71		0.15	-
21	76	44			42	53	78	53		0.15	-
22	76	48			42	45	72	36		0.12	
23	78	50			49	54	80	60		0.17	-
24	70	48			46	53	74	40		0.10	-
25	82	53			50	53	76	47		0.16	-
26	78	54			49	49	75	40		0.15	-
27											
28											
Tot:											
Ave:											

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					43	51	73	39		0.16 *	-
2	82	51			50	48	81	32		0.19	-
3	85	54			51	52	71	32		0.19	-
4	88	55			51	54	71	35		0.20	-
5	88	56			53	57	72	40		0.22	-
6	91	59			52	54	67	37		0.23	-
7	87	56			55	57	77	37		0.21	-
8	89	56			57	60	83	38		0.23	-
9	92	58			56	54	73	29		0.24	-
10	94	58			57	55	78	28		0.26	-
11	96	59			57	53	74	24		0.26	-
12	99	59			57	61	65	32		0.27	-
13	99	61			59	61	74	33		0.27	-
14	97	62			56	64	65	36		0.28	-
15	98	61			59	60	70	31		0.28	-
16	98	61			59	58	74	32		0.27	-
17	95	66			62	61	75	39		0.32	-
18	93	66			56	58	65	56		0.30	-
19	78	58			58	61	83	49		0.18	0.06
20	84	60			53	55	68	43		0.28	-
21	83	57			59	60	79	54		0.28	-
22	84	62			57	56	74	44		0.22	-
23	88	58			57	59	78	46		0.22	0.14
24	86	62			62	65	75	49		0.21	-
25	91	65			61	57	79	78		0.24	0.13
26	83	56			53	53	72	45		0.13	1.21
27	78	52			51	40	71	22		0.17	-
28	86	54			56	57	73	38		0.28	-
29	88	57			55	52	69	29		0.28	-
30	91	59			57	57	74	33		0.32	-
31	93	62			58	62	70	37		0.28	-
Tot:										7.47	1.54
Ave:											

* Estimated evaporation.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	63			56	53	61	27		0.31	-
2	97	64			59	64	62	33		0.32	-
3	101	59			57	60	62	34		0.34	-
4	101	56			51	53	62	33		0.35	-
5	90	61			50	59	46	37		0.32	-
6	91	61			53	72	56	22		0.31	-
7	98	63			52	64	44	33		0.36	-
8	100	66			56	55	52	25		0.36	-
9	100	71			60	58	54	26		0.35	-
10	103	69			59	65	54	47		0.34	-
11	100	71			60	58	63	45		0.31	-
12	89	64			61	61	75	75		0.31	0.03
13	71	60			63	63	80	43		0.10	0.12
14	90	64			64	65	72	41		0.18	-
15	96	72			63	65	64	51		0.24	-
16	90	65			48	63	50	72		0.23	0.20
17	74	59			58	54	78	35		0.08	0.24
18	88	60			61	50	75	25		0.24	-
19	93	67			59	57	62	40		0.31	-
20	88	62			59	59	89	51		0.27	0.18
21	82	57			53	50	68	33		0.27	-
22	86	57			54	49	60	20		0.34	-
23	92	60			52	43	53	18		0.34	-
24	95	61			53	39	47	15		0.33	-
25	98	63			49	47	40	20		0.37	-
26	98	64			49	59	40	36		0.44	-
27	95	64			54	52	43	25		0.40	-
28	102	73			59	60	51	34		0.46	-
29	94	62			56	49	61	34		0.30	-
30	82	58			53	49	56	30		0.38	-
Tot:										9.26	0.77
Ave:	93	63									

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	[illegible] 8 A.M	[illegible] 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	60			54	[illegible]	[illegible]	24		0.36	-
2	89	60			51	[illegible]	[illegible]	21		0.37	-
3	90	68			53	[illegible]	[illegible]	25		0.41	-
4	90	66			58	[illegible]	[illegible]	27		0.36	-
5	97	70			59	[illegible]	[illegible]	26		0.31	-
6	103	72			55	[illegible]	37	20		0.46	-
7	106	75			61	[illegible]	44	21		0.45	-
8	109	80			59	61	34	22		0.51	-
9	110	78			65	67	56	34		0.58	-
10	105	76			61	62	47	34		0.51	-
11	98	73			61	56	47	28		0.47	-
12	97	73			64	59	55	37		0.46	0.02
13	99	64			60	62	70	71		0.46	0.10
14	76	64			61	64	79	55		0.21	0.22
15	83	62			58	63	66	43		0.33	-
16	90	66			60	50	60	23		0.41	-
17	95	66			60	53	54	22		0.42	-
18	102	72			61	54	42	26		0.46	-
19	102	70			56	52	44	57		0.51	0.04
20	93	66			58	61	51	28		0.41	-
21	102	70			64	59	53	23		0.47	-
22	108	76			58	59	39	22		0.55	-
23	108	78			53	56	31	22		0.54	-
24	106	70			56	50	36	15		0.50	-
25	110	74			63	57	50	23		0.50	-
26	110	80			65	47	44	12		0.47	-
27	113	74			63	67	46	25		0.62	-
28	115	75			59	39	36	8		0.67	-
29	116	77			62	57	37	16		0.61	-
30	117	82			65	70	42	26		0.59	-
31	116	85			72	70	54	27		0.64	-
Tot:										14.62	0.38
Ave:	101	72									

[illegible]

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	114	83			70	76	48	33		0.57	-
2	114	82			69	65	52	28		0.59	-
3	112	78			68	58	52	26		0.61	-
4	109	77			65	46	44	17		0.63	-
5	112	78			59	61	36	22		0.58	-
6	110	75			63	65	43	24		0.54	-
7	113	78			60	54	34	15		0.55	-
8	115	80			57	63	33	21		0.51	-
9	116	77			63	60	41	18		0.41	-
10	117	82			69	52	48	18		0.49	-
11	112	82			61	57	39	18		0.41	-
12	112	83			65	72	44	33		0.45	-
13	112	84			64	71	44	28		0.44	-
14	113	82			61	68	39	29		0.47	-
15	111	76			67	65	49	26		0.45	-
16	110	81			71	64	54	26		0.46	-
17	109	81			69	70	50	25		0.41	-
18	111	82			70	68	51	27		0.47	-
19	112	87			67	70	41	31		0.46	-
20	111	85			71	70	49	29		0.44	-
21					60	66	38	27		0.44	-
22	112	82			75	75	60	38		0.41	-
23	110	83			76	62	72	25		0.39	-
24	109	82			65	72	35	33		0.47	-
25	111	86			70	71	47	30		0.45	-
26	113	76			73	79	62	39		0.51	0.28
27	113	82			71	76	54	33		0.42	-
28	115	82			67	68	49	35		0.43	-
29	105	80			69	75	58	36		0.46	-
30	109	81			71	64	54	26		0.37	-
Tot:										14.29	0.28
Ave:											

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	85			69	64	50	35		0.53	-
2	102	79			72	69	59	30		0.30	-
3	109	82			71	74	49	35		0.37	-
4	111	84			72	69	47	26		0.47	-
5	114	86			74	73	52	30		0.42	-
6	113	86			74	68	52	27		0.47	-
7	112	86			73	65	54	24		0.46	-
8	112	86			69	75	50	36		0.43	-
9	110	88			71	72	51	35		0.41	-
10	108	88			77	73	63	36		0.42	-
11	110	88			75	76	57	38		0.43	-
12	110	86			75	75	57	36		0.46	-
13	110	84			76	81	60	62		0.35	-
14	112	86			78	78	64	44		0.39	0.02
15	108	78			74	76	68	47		0.43	-
16	102	80			75	76	69	43		0.37	-
17	106	84			76	75	58	36		0.41	-
18	111	85			74	78	60	44		0.44	-
19	107	86			74	74	60	57		0.39	-
20	109	88			75	81	55	51		0.41	-
21	106	87			79	77	67	79		0.36	-
22	105	81			80	82	80	65		0.35	0.20
23	98	85			79	75	70	53		0.27	-
24	107	77			72	86	78	72		0.34	-
25	87	74			77	80	91	74		0.22	3.73
26	92	77			78	83	87	74		0.31	0.07
27	96	80			80	82	87	62		0.27	-
28	100	76			73	81	78	70		0.31	-
29	95	72			72	77	90	69		0.29	1.64
30	90	73			75	81	79	59		0.26	-
31	99	81			80	82	76	58		0.31	-
Tot:										11.65	5.66
Ave:	105	83									

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	83			80	80	74	48		0.33	-
2	106	83			79	79	70	50		0.37	-
3	104	83			79	79	70	46		0.31	-
4	106	83			78	78	69	44		0.32	-
5	107	85			76	74	60	37		0.34	-
6	108	86			73	77	59	51		0.42	-
7	102	82			76	77	72	58		0.34	-
8	98	83			78	78	73	49		0.31	-
9	104	84			78	78	73	44		0.30	-
10	106	86			81	81	74	49		0.32	-
11	108	86			82	77	77	42		0.34	-
12	109	81			76	76	79	66		0.33	-
13	93	74			73	74	91	65		0.26	2.73
14	85	74			75	78	79	69		0.14	0.12
15	93	77			77	76	91	83		0.23	0.27
16	92	78			78	78	87	73		0.28	0.35
17	91	80			81	80	87	62		0.15	-
18	98	81			74	79	71	64		0.26	-
19	96	79			76	80	79	65		0.27	-
20	96	80			72	78	68	59		0.27	-
21	99	79			75	76	75	51		0.31	-
22	100	72			71	77	74	63		0.30	-
23	96	79			75	76	75	53		0.28	-
24	99	80			79	77	80	47		0.23	-
25	104	80			76	69	75	37		0.33	-
26	103	79			78	72	79	38		0.34	-
27	104	77			73	73	71	40		0.31	-
28	105	77			73	70	75	38		0.37	-
29	104	76			74	75	71	43		0.38	-
30	105	76			73	75	75	41		0.36	-
31	107	78			74	72	75	38		0.39	-
Tot:										9.49	3.47
Ave:	101	80									

GOJRA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	77			75	69	72	39		0.37	-
2	102	77			71	68	61	38		0.36	-
3	101	76			72	75	68	43		0.33	-
4	103	77			73	73	71	36		0.36	-
5	109	77			72	73	68	40		0.41	-
6	105	77			68	77	60	47		0.41	-
7	104	77			72	72	68	54		0.43	-
8	95	74			73	74	78	52		0.37	-
9	97	77			72	75	68	50		0.34	-
10	100	76			72	70	71	44		0.34	-
11	98	73			72	71	74	56		0.32	-
12	94	76			73	71	78	51		0.30	0.03
13	96	77			76	75	79	49		0.26	-
14	100	77			76	79	79	56		0.29	-
15	101	72			78	72	87	65		0.33	0.40
16	94	72			72	72	82	54		0.17	-
17	95	69			71	77	74	51		0.24	-
18	101	71			69	71	73	39		0.29	-
19	103	68			67	73	63	42		0.31	-
20	102	72			71	73	74	48		0.31	-
21	100	72			71	74	70	48		0.29	-
22	101	73			71	74	74	44		0.28	-
23	102	74			71	74	70	46		0.29	-
24	101	72			72	68	74	38		0.31	-
25	103	75			71	69	71	42		0.32	-
26	102	68			63	66	72	37		0.29	0.02
27	101	71			70	67	74	40		0.28	-
28	100	68			65	72	72	45		0.26	-
29	101	71			67	77	66	54		0.31	-
30	100	70			63	69	64	44		0.29	-
Tot:										9.46	0.45
Ave:	101	74									

GOJRA

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	68			67	69	77	78		0.26	-
2	99	69			59	63	59	43		0.28	-
3	93	70			65	73	72	52		0.26	-
4	97	70			69	74	73	52		0.27	-
5	98	70			65	75	72	53		0.28	-
6	99	69			67	77	77	56		0.27	-
7	99	68			67	69	69	46		0.27	-
8	100	66			64	72	76	47		0.26	-
9	100	67			66	73	80	50		0.28	-
10	99	68			64	71	72	49		0.28	-
11	100	67			64	73	72	52		0.27	-
12	98	68			62	70	64	48		0.29	-
13	96	67			64	70	76	51		0.27	-
14	96	68			64	71	68	54		0.28	-
15	95	68			60	60	67	46		0.29	-
16	90	62			59	67	74	57		0.31	-
17	87	63			61	68	79	52		0.23	-
18	92	62			60	68	70	50		0.25	-
19	93	63			61	68	79	55		0.23	-
20	94	62			62	70	84	53		0.23	-
21	94	64			64	70	76	48		0.22	-
22	98	64			60	61	70	39		0.24	-
23	97	63			61	67	75	52		0.27	-
24	94	65			62	67	75	49		0.31	-
25	94	63			62	68	75	50		0.25	-
26	96	63			62	71	75	58		0.22	-
27	95	63			59	70	74	53		0.21	-
28	94	60			56	71	73	70		0.23	-
29	87	63			63	69	80	58		0.18	-
30	91	60			59	67	79	49		0.22	-
31	95	60			57	68	74	52		0.25	-
Tot:										7.96	0.00
Ave:	95	65									

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	60			57	66	74	47		0.24	-
2	95	62			57	68	74	50		0.25	-
3	96	61			59	64	79	48		0.27	-
4	94	60			57	67	69	52		0.25	-
5	95	63			58	68	70	58		0.24	-
6	94	60			58	67	78	57		0.21	-
7	90	58			57	68	83	55		0.22	-
8	94	58			58	67	78	54		0.24	-
9	94	58			56	63	78	50		0.23	-
10	91	58			56	59	82	46		0.16	-
11	90	57			56	61	83	47		0.13	-
12	91	59			57	62	83	56		0.20	-
13	87	58			57	61	82	54		0.18	-
14	87	54			56	59	74	53		0.15	-
15	84	50			47	57	64	49		0.14	-
16	86	51			46	52	81	44		0.15	-
17	86	49			50	55	87	49		0.17	-
18	83	48			50	54	87	41		0.16	-
19	83	48			50	54	69	46		0.14	-
20	84	50			46	39	93	28		0.15	-
21	76	46			47	32	77	23		0.20	-
22	75	41			39	36	92	26		0.21	-
23	77	38			43	39	62	30		0.19	-
24	81	42			34	35	62	21		0.17	-
25	80	37			37	29	76	16		0.14	-
26	83	38			37	24	76	13		0.13	-
27	81	39			38	68	76	66		0.13	-
28	80	39			37	41	76	30		0.12	-
29	80	38			41	43	92	31		0.12	-
30	81	39			37	35	76	23		0.14	-
Tot:										5.43	0.00
Ave:	86	51									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	37			40	41	84	31		0.13	-
2	75	36			36	39	82	30		0.12	-
3	77	37			36	51	75	47		0.12	-
4	81	42			43	50	85	43		0.12	-
5	80	43			41	41	77	30		0.13	-
6	78	42			41	47	77	37		0.16	-
7	80	42			42	37	78	24		0.17	-
8	80	44			43	52	85	44		0.16	-
9	79	46			47	46	86	33		0.15	-
10	82	47			41	48	71	40		0.14	-
11											-
12											-
13	77	40			38	49	76	40		0.41 *	-
14	76	37			36	41	75	30		0.18	-
15	78	38			39	49	84	40		0.19	-
16	78	37			38	37	83	24		0.18	-
17	77	40			38	43	76	32		0.16	-
18	77	37			38	46	83	34		0.15	-
19	82	40			39	46	84	39		0.15	-
20	78	39			35	49	68	40		0.14	-
21	78	40			39	49	77	43		0.15	-
22	77	40			38	46	76	41		0.14	-
23	74	39			37	42	64	36		0.15	-
24	76	38			40	45	84	38		0.14	-
25	74	38			35	51	62	52		0.13	-
26	74	39			38	48	70	42		0.13	-
27	74	40			41	49	77	43		0.12	-
28	75	40			38	45	70	38		0.13	-
29	73	41			40	26	71	19		0.12	-
30	70	42			42	46	78	43		0.11	-
31	74	41			42	47	72	44		0.13	-
Tot:										4.41	0.00
Ave:											

* Estimated evaporation for 3 days.

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Location	Latitude 33°15', Longitude 73°18', in the Civil Hospital Gujar Khan.
Elevation	1,500 ± ft msl.
Period of record	Recording rain gauge station since 1960, other instruments installed on 27.1.1969, station being operated by Surface Water Hydrology Project.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	64	44			46	46	85	64		0.12*	0.72
2	60	42			41	41	84	53		0.10	–
3	60	37			37	49	83	58		0.11	–
4	66	40			37	38	83	44		0.08	–
5	62	36			35	38	82	44		0.11	–
6	62	34			33	38	81	44		0.11	–
7	64	34			33	38	81	47		0.14	–
8	62	36			33	38	81	44		0.12	–
9					32	41	66	46		0.20	–
10	64	42			38	38	69	49		0.12	–
11	62	40			37	38	83	38		0.11	–
12					46	41	74	46		0.07	–
13	66	52			48	48	86	75		0.03	0.05
14	64	50			48	48	86	65		0.01*	0.61
15	62	48			43	55	73	69		0.06	–
16	66	50			48	50	86	87		0.09	–
17	56	50			48	51	86	66		0.02	0.25
18					48	37	86	37		0.05	–
19	64	50			48	41	86	46		0.14	–
20	62	46			38	38	60	38		0.19	–
21	66	44			39	35	70	36		0.16	–
22	64	46			41	36	71	28		0.10	–
23	70	50			48	39	86	34		0.15	–
24					50	53	87	76		0.12	–
25	60	50			48	47	75	44		0.05	0.06
26					50	53	76	68		0.16	0.24
27					50	51	87	49		0.07	0.29
28					46	47	74	49		0.14	–
Tot:										2.93	2.22
Ave:											

* Estimated evaporation.

GUJRA KHAN

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					46	47	85	49		0.21	-
2					48	58	80	56		0.18	-
3	82	52			49	54	80	43		0.22	-
4					45	48	59	32		0.29	-
5	82	54			54	59	93	46		0.29	-
6					47	58	57	45		0.23	-
7	82	57			54	41	77	25		0.24	-
8					53	46	68	29		0.23	-
9					49	47	70	26		0.30	-
10					51	49	66	29		0.32	-
11	86	56			62	42	94	19		0.35	-
12					49	49	66	26		0.32	-
13					51	53	66	30		0.31	-
14					55	56	69	29		0.33	-
15					55	56	69	31		0.37	-
16	92	62			54	63	60	43		0.35	-
17	92	60			64	59	59	34		0.37	-
18	94	58			54	57	26	88		0.35	-
19	68	58			59	51	79	81		0.04	0.46
20	74	54			55	50	77	46		0.10	0.50
21	72	52			55	59	77	51		0.35	-
22	80	62			61	56	94	78		0.25	-
23					60	59	84	57		0.12	0.32
24	84	54			59	67	62	54		0.30	-
25	86	66			61	59	79	70		0.35	-
26	72	50			53	50	76	43		0.28	0.48
27	74	50			55	54	77	41		0.37	-
28	80	54			59	50	89	37		0.37	-
29	80	56			54	48	60	32		0.42	-
30	82	56			59	59	79	37		0.34	-
31	88	66			57	51	55	30		0.34	-
Tot:										8.89	1.76
Ave:											

GUJAR KHAN

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	62			55	50	51	28		0.41	-
2	88	60			59	39	62	16		0.44	-
3					54	38	60	24		0.43	-
4					54	57	60	33		0.44	-
5	90	60			52	49	53	29		0.41	
6	88	60			54	45	54	19		0.43	-
7					59	60	62	31		0.44	-
8					59	63	62	36		0.42	-
9					51	61	42	39		0.44	-
10	90	72			61	57	57	33		0.48	-
11					59	61	62	51		0.38	-
12					66	57	71	55		0.18	0.02
13	76	64			50	52	63	29		0.17	-
14	88	64			63	56	53	29		0.44	-
15	92	66			63	69	80	60		0.32	0.39
16	90	66			63	54	80	54		0.13	-
17	74	58			60	68	67	66		0.15	-
18	86	58			54	38	54	17		0.42	-
19					57	50	55	39		0.35	-
20	88	58			56	51	88	59		0.23	0.72
21	86	58			51	48	59	33		0.07	0.10
22	86	54			54	40	54	22		0.38	-
23					63	49	64	29		0.40	-
24					55	43	49	21		0.38	-
25					48	37	40	18		0.41	-
26	90	66			53	57	47	33		0.38	-
27	90	64			57	42	55	23		0.40	-
28	88	64			57	61	55	51		0.35	0.04
29	86	56			53	52	72	53		0.25	0.78
30	70	57			53	45	72	38		0.23	-
Tots										10.36	2.05
Ave											

GUJAR KHAN

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	54			49	56	58	36		0.22	-
2					59	53	62	34		0.31	-
3					53	57	47	38		0.32	-
4					55	59	49	34		0.34	-
5					60	61	54	32		0.35	-
6	96	72			60	65	42	35		0.40	-
7					67	57	49	27		0.40	-
8	98	78			69	60	50	29		0.43	-
9	99	76			68	57	52	33		0.45	-
10	90	70			65	63	65	36		0.48	0.05
11					63	63	43	58		0.42	-
12	90	70			61		47			0.26	0.82
13	86	62			59	58	79	78		0.28	0.95
14	68	60			63	54	80	54		0.10	0.44
15	72	60			60	60	70	48		0.05	0.07
16	84	64			61	53	63	33		0.29	-
17	86	64			63	52	64	28		0.35	-
18	92	64			63	57	64	40		0.37	-
19	86	66			64	57	72	40		0.35	-
20	84	66			68	60	55	34		0.36	-
21	96	74			64	71	48	39		0.40	-
22	100	86			61	51	32	24		0.57	-
23	96	72			65	60	44	29		0.61	-
24	98	70			64	59	48	25		0.54	-
25					63	60	43	24		0.56	-
26	104	72			75	65	36	27		0.54	-
27	106	72			71	54	54	18		0.56	-
28	106	74			72	61	43	22		0.54	-
29					52	59	23	22		0.53	-
30					67	67	41	28		0.51	-
31					67	70	40	33		0.53	-
Tot:										12.42	2.33
Ave:											

GUJAR KHAN

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					64	74	48	35		0.50	-
2					73	69	38	30		0.64	-
3					64	60	42	31		0.58	-
4	100	7[illegible]			78	59	39	26		0.56	-
5	104	7[illegible]			57	59	33	25		0.58	-
6					78	57	42	21		0.53	-
7					78	56	49	20		0.54	-
8	108	76			64	108	33	93		0.61	-
9					61	71	32	28		0.56	-
10					73	64	32	26		0.57	-
11	108	80			66	68	37	29		0.56	-
12					65	64	44	26		0.56	0.04
13					55	63	24	33		0.54	-
14	107	78			68	69	45	30		0.59	-
15	108	80			66	72	39	31		0.55	-
16					68	67	29	28		0.58	-
17					72	75	37	35		0.55	-
18					72	76	29	33		0.59	-
19					69	72	55	33		0.59	0.02
20					80	63	50	21		0.58	0.03
21					59	77	23	20		0.57	-
22					58	61	22	22		0.54	-
23					60	67	54	34		0.67	0.15
24					76	62	66	23		0.40	-
25					68	57	42	18		0.59	-
26	111	80			67	70	33	29		0.60	-
27	109	85			68	69	42	34		0.72	-
28	104	80			67	66	47	34		0.73	-
29					66	69	43	32		0.50	-
30	104	78			63	62	53	37		0.53	-
Tot:										17.21	0.24
Ave:											

GUJAR KHAN

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	77			70	68	74	42		0.27	0.34
2	95	76			74	62	44	27		0.30	-
3	106	82			69	65	48	26		0.58	-
4	107	85			74	65	46	44		0.67	-
5	106	81			73	77	57	36		0.66	-
6	112	81			75	71	46	30		0.62	-
7	111	87			62	78	29	42		0.61	-
8	106	80			70	77	51	40		0.60	-
9					73	74	57	46		0.70	-
10	99	75			74	74	87	44		0.45	0.32
11	100	75			69	66	77	34		0.47	0.06
12	100	76			79	75	56	41		0.57	-
13	103	80			75	71	46	35		0.75	-
14	104	81			68	68	63	45		0.64	-
15	98	80			79	75	56	50		0.68	-
16					80	72	57	37		0.51	-
17	104	86			79	75	61	43		0.71	-
18	103	86			78	77	64	45		0.59	-
19	102	87			78	80	67	43		0.66	-
20					79	77	70	61		0.57	0.08
21	95	79			77	77	91	87		0.56	0.02
22	81	73			79	79	87	76		0.17	2.32
23	87	79			80	80	87	70		0.14	0.10
24	93	75			74	75	91	83		0.23	0.46
25	85	75			76	75	87	72		0.12	0.08
26	85	76			80	75	80	60		0.29	-
27	91	78			80	75	76	57		0.34	-
28	93	71			68	73	85	59		0.31	0.37
29	89	72			79	75	80	50		0.28 *	-
30	96	80			81	74	77	44		0.32	-
31	100	82			81	71	65	36		0.38	-
Tot:										14.75	4.15
Ave:											

* Estimated evaporation.

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	82			82	78	68	42		0.46	-
2	106	85			85	78	69	44		0.47	-
3	106	85			88	76	75	60		0.62	-
4	93	81			83	84	65	52		0.44	-
5	105	87			81	82	74	55		0.50	-
6	101	82			79	77	80	72		0.47	-
7	87	76			75	78	95	83		0.22	0.46
8	84	76			80	82	87	71		0.09	0.08
9	93	80			79	76	87	66		0.33	-
10	92	80			78	78	79	67		0.36	-
11	91	80			77	82	79	60		0.44	-
12	98	72			75	76	95	91		0.22	1.91
13	79	74			79	79	91	83		0.04 *	0.39
14	87	78			78	80	87	76		0.23	-
15	88	79			79	78	91	91		0.25	0.10
16	83	76			82	81	88	61		0.08	0.63
17	93	79			80	82	91	71		0.32	-
18	94	78			76	81	87	74		0.43	-
19	91	71			75	80	95	74		0.20	0.30
20	91	73			73	80	82	70		0.27	-
21	91	75			76	79	83	76		0.15	-
22	89	70			76	75	87	60		0.21	0.15
23	91	74			77	76	83	53		0.31	-
24	96	74			79	80	83	54		0.32	-
25	99	74			71	80	74	65		0.35	0.04
26	94	71			75	81	79	62		0.28 *	0.35
27					81	76	65	51		0.25	-
28	97	78			81	77	77	51		0.35	-
29	99	77			83	73	68	40		0.34	-
30	102	80			82	84	71	56		0.38	-
31	103	78			79		73			0.43	-
Tot:										9.81	4.41
Ave:											

* Estimated evaporation.

GUJAR KHAN

September 1965

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	79			79	81	70	53		0.41	-
2	101	79			78	77	59	49		0.36	-
3	99	82			73	74	68	48		0.41	-
4	99	72			70	80	61	54		0.43	-
5	99	80			77	77	63	63		0.46	-
6	101	76			73	68	71	58		0.44	0.06
7	90	68			67	71	90	61		0.39	0.68
8	86	70			73	76	65	58		0.12	-
9	93	68			67	74	85	57		0.26	0.12
10	91	70			73	75	68	55		0.23	-
11	94	76			75	72	79	65		0.34	-
12	88	75			72	75	74	55		0.30	-
13	94	78			78	78	79	56		0.33	-
14	96	77			79	71	83	70		0.47	-
15	90	66			67	72	90	74		0.37	1.29
16	83	68			71	64	70	44		0.15	-
17	89	66			70	67	74	43		0.33	-
18	93	66			69	70	77	47		0.33	-
19	94	71			72	67	74	43		0.36	-
20	94	72			72	67	74	43		0.33	-
21	93	71			72	65	74	38		0.30	-
22	94	71			73	70	68	44		0.34	-
23	95	74			72	75	74	53		0.36	-
24	95	71			67	63	66	38		0.38	-
25	93	72			65	68	72	60		0.37	0.16
26	88	65			61	73	72	52		0.22	-
27	93	69			68	75	77	53		0.23	-
28	95	72			66	73	69	50		0.31	-
29	96	73			69	69	67	40		0.36	-
30	97	73			67	70	66	47		0.34	-
Tot:										10.03	2.31
Ave:	91	72									

GUJAR KHAN

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	72				67	68	66	50	0.40	-
2	92	66				60	60	63	42	0.27	0.08
3	87	64				63	64	68	44	0.25	-
4	93	69				57	60	49	38	0.28	-
5	91	62				61	60	63	34	0.35	-
6	94	65				63	63	72	39	0.34	-
7	93	64				61	63	71	39	0.32	-
8						62	67	64	45	0.34	-
9	94	66				59	69	59	44	0.28	-
10	94	69				64	70	65	48	0.25	-
11	93	72				67	57	66	49	0.34	-
12	88	64				61	65	71	53	0.15	0.20
13	85	64				63	73	72	59	0.18	-
14	89	61				59	64	70	61	0.33	0.44
15	80	63				58	64	78	74	0.15	0.31
16	74	60				58	64	78	55	0.12	0.12
17	81	56				59	62	89	52	0.14	-
18	82	58				59	64	89	53	0.17	-
19	86	58				59	61	83	49	0.20	-
20	85	64				59	54	74	37	0.21	-
21	86	60				59	68	74	58	0.23	-
22	87	62				58	77	78	76	0.29	-
23	88	62				59	76	74	72	0.20	-
24	88	61				60	63	79	83	0.21	-
25	88	61				60	69	84	58	0.24	-
26	88	59				59	77	74	72	0.25	-
27	89	63				61	68	79	60	0.23	-
28	86	68				60	69	54	67	0.28	-
29	81	64				57	61	65	54	0.23	-
30	83	62				57	54	65	41	0.26	-
31	83	59				54	53	68	38	0.25	-
Tot:										7.74	1.15
Ave:											

GUJAR KHAN

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	62			57	72	83	68		0.30	-
2	86	56			54	69	73	58		0.21	-
3	88	57			55	50	73	33		0.24	-
4	86	55			54	61	77	44		0.30	-
5	86	56			52	54	67	41		0.18	-
6	85	61			53	54	60	43		0.24	-
7	81	55			55	55	73	41		0.22	-
8	84	54			51	61	76	49		0.17	-
9	86	56			53	55	76	43		0.18	-
10	83	52			51	65	81	65		0.17	-
11	80	56			55	63	82	58		0.15	-
12	82	59			56	56	78	55		0.18	0.04
13	79	54			51	56	81	52		0.19	-
14	78	50			50	64	87	76		0.16	-
15	75	46			45	53	79	47		0.16	-
16	76	44			41	43	71	37		0.17	-
17	77	45			43	41	73	33		0.18	-
18	75	45			42	56	72	52		0.23	-
19	78	50			51	48	71	47		0.16	-
20	72	50			50	47	87	47		0.08	0.03
21	71	45			40	41	77	41		0.15	-
22	71	38			35	41	74	41		0.21	-
23	71	37			35	46	74	43		0.15	-
24	76	40			38	45	76	40		0.16	-
25	73	40			33	47	67	44		0.17	-
26	74	38			35	47	82	49		0.15	-
27	72	33			32	46	81	63		0.13	-
28	73	33			32	45	73	39		0.14	-
29	72	35			34	51	82	32		0.12	-
30	75	35			32	47	66	57		0.13	-
Tot:										5.38	0.07
Ave:	78	48									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	71	36			36	47	82	49		0.10	-
2	69	35			38	37	91	35		0.12	-
3	70	35			32	47	81	47		0.13	-
4	72	36			34	51	82	52		0.14	-
5	73	39			41	43	77	41		0.12	-
6	71	39			37	43	83	39		0.14	-
7	73	40			37	43	83	39		0.16	-
8	73	39			33	51	67	52		0.16	-
9	75	40			38	52	83	53		0.13	-
10	75	40			39	53	91	53		0.07	-
11	76	39			36	44	82	45		0.09	-
12	70	38			37	53	91	53		0.14	-
13	70	34			35	48	90	53		0.13	-
14	71	36			32	45	73	46		0.16	-
15	72	40			35	51	68	56		0.14	-
16	72	35			31	46	73	43		0.12	-
17	74	39			33	48	74	50		0.13	-
18	71	36			32	53	73	53		0.13	-
19	77	37			33	47	81	47		0.15	-
20	75	36			30	48	72	50		0.14	-
21	70	33			32	50	81	58		0.11	-
22	71	34			28	46	71	53		0.12	-
23	68	30			27	43	78	47		0.15	-
24	67	31			27	47	78	57		0.11	-
25	67	31			29	50	80	62		0.12	-
26	66	31			27	47	78	57		0.11	-
27	67	32			28	47	79	57		0.13	-
28	68	31			25	40	69	52		0.13	-
29	70	34			31	47	73	57		0.13	-
30	68	38			38	43	76	44		0.12	-
31	68	38			32	41	73	43		0.13	-
Tot:										3.96	0.00
Ave:	71	36									

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Location	Latitude 32°10', Longitude 74°11', in Agricultural Research Farm Gujranwala.
Elevation	750 ± ft msl.
Period of record	Rainfall station of Meteorological Department. Copied data available from 1912 to 1959. Observatory established by Surface Water Hydrology Project WAPDA in January 1962.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 24.23 inches Evaporation (Pan) 70.93 inches Absolute maximum air temperature 112 °F Absolute minimum air temperature 33 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

GUJRANWALA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5	63	33			32	37	90	43		0.05	-
6					34	41	82	53	17	0.07	-
7	61	39			40	46	84	64	7	0.04	-
8	59	35			38	46	91	56	8	0.04	-
9	66	40			40	43	77	47	10	0.06	-
10	68	41			39	32	84	37	13	0.10	-
11	66	35			25	27	56	33	30	0.15	-
12	61	34			33	45	74	72	13	0.09	0.02
13					11	41	84	71	20	0.07	0.34
14	56	36			34	42	82	67	13	0.05	0.02
15	60	37			33	43	74	58	17	0.07	-
16	62	35			32	47	81	65	8	0.06	-
17					40	45	77	55	8	0.07	-
18	67	39			39	45	91	63	6	0.06	-
19	60	36			36	40	82	45	7	0.06	-
20	65	38			35	41	74	43	14	0.09	-
21	68	37			39	38	84	44	14	0.09	-
22	67	39			39	43	91	44	8	0.08	-
23	68	41			39	47	84	49	13	0.09	-
24	72	43			41	43	84	44	17	0.11	-
25					48	49	86	66	8	0.08	-
26					46	53	60	72	16	0.08	-
27	69	49			46	46	74	64	33	0.10	0.01
28	63	41			40	45	84	52	27	0.07	-
29	68	39			35	37	74	37	20	0.12	-
30	64	40			35	40	68	37	17	0.10	-
31	69	41			40	43	84	67	17	0.11	-
Tot:											
Ave:											

February 1969

	TEMPERATURES °F						Relative Humidity Percent		Wind Movement	Evaporation in	Rain in
	Air		Water		Dew Point						
	Max	Min	Max	Min	8 A.M	5 P.M	8 A.M	5 P.M	Miles	inches	inches
1	59	43			40	43	77	58	23	0.12	0.39
2	64	42			41	47	84	65	22	0.13	-
3	63	35			32	41	73	46	25	0.15	-
4	65	37			40	40	91	42	7	0.06	-
5	66	38			39	35	84	36	9	0.07	-
6	66	35			33	35	74	34	17	0.11	-
7	68	34			35	35	82	32	17	0.15	-
8	69	35			35	32	74	28	13	0.18	-
9	69	40			39	30	84	28	19	0.16	-
10	67	41			38	40	76	37	12	0.11	-
11	72	44			43	40	92	35	9	0.12	-
12	71	45			42	49	72	54	10	0.14	-
13	73	50			49	50	80	76	23	0.17	-
14	60	49			52	56	93	73	61	0.10	0.09
15	67	48			48	53	86	68	21	0.10	-
16	68	51			51	54	87	93	27	0.12	0.01
17	57	46			46	51	92	56	22	0.07	0.22
18	70	46			49	40	93	37	11	0.09	-
19	70	42			41	35	77	32	30	0.17	-
20	69	41			38	47	70	57	36	0.19	-
21	71	43			39	52	65	67	25	0.18	-
22	66	47			49	50	86	46	13	0.10	-
23	74	49			48	53	86	53	16	0.14	-
24	74	50			52	54	93	51	7	0.09	-
25	79	53			52	50	81	46	37	0.18	-
26	77	56			56	58	82	70	35	0.17	-
27	80	59			59		83		37	0.15	0.03
28	78	53			53	54	76	48	28	0.13	-
Tot:										3.65	0.74
Ave:	69	45							22		

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	51			45	56	69	46	33	0.18	-
2	83	52			48	53	65	40	11	0.19	-
3	81	49			49	53	80	38	12	0.19	-
4	84	52			52	55	71	41	18	0.22	-
5	85	51			51	59	76	46	22	0.23	-
6	85	58			54	58	68	45	27	0.25	-
7	85	53			53	56	64	40	16	0.21	-
8	86	54			52	57	67	40	19	0.24	-
9	88	51			46	58	53	39	22	0.26	-
10	89	55			50	54	58	35	17	0.18	-
11	90	55			54	57	68	34	17	0.21	-
12	92	56			59	50	74	25	14	0.19	-
13	93	56			57	53	69	30	9	0.18	-
14	94	59			62	57	75	34	8	0.20	-
15	93	59			61	52	79	29	6	0.19	-
16	94	60			61	51	75	30	6	0.18	-
17	92	61			60	58	79	35	6	0.16	-
18	93	61			59	62	70	89	28	0.22	0.08
19	76	60			60	61	84	63	38	0.29	0.97
20	80	55			53	48	76	38	32	0.22	0.27
21	77	51			52	54	71	46	25	0.19	-
22	79	57			61	60	89	79	8	0.13	-
23	73	57			55	56	73	40	30	0.17	0.01
24	88	59			60	61	79	63	29	0.19	-
25	84	57			59	60	89	79	26	0.15	0.12
26	71	52			53	54	76	48	53	0.27	0.53
27	76	51			51	53	66	38	29	0.17	-
28	83	53			53	55	64	41	15	0.19	-
29	85	54			51	58	59	45	17	0.22	-
30	85	55			54	62	60	50	16	0.20	-
31	89	58			59	63	70	47	13	0.20	-
Tot:										6.27	1.98
Ave:	85	55							20		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	59			62	59	75	41	14	0.23	-
2	92	57			53	67	53	45	21	0.25	-
3	94	54			51	55	56	37	12	0.22	-
4	90	56			54	50	60	37	12	0.21	-
5	88	57			54	59	57	44	13	0.24	-
6	87	58			52	59	50	34	10	0.16	-
7	94	59			57	59	58	31	12	0.23	-
8	97	61			62	60	64	34	6	0.23	-
9	98	65			62	61	58	35	5	0.26	-
10	96	68			61	64	54	40	9	0.24	-
11	95	68			59	64	53	44	14	0.20	-
12	90	63			60	60	63	60	21	0.20	0.01
13	80	59			61	58	71	35	24	0.17	-
14	90	62			62	58	64	32	20	0.25	-
15	94	70			59	57	51	40	25	0.29	-
16	91	67			63	63	75	89	28	0.26	0.09
17	71	55			58	53	78	31	22	0.19	0.57
18	89	56			52	59	50	40	17	0.16	-
19	88	64			54	61	54	51	12	0.21	-
20	87	58			57	58	74	70	25	0.18	0.03
21	70	53			52	41	63	24	57	0.11	0.29
22	83	53			51	45	52	25	27	0.22	-
23	86	54			51	40	49	18	21	0.24	-
24	90	56			45	33	38	13	15	0.28	-
25	91	56			51	51	41	24	15	0.29	-
26	96	65			52	47	42	20	11	0.31	-
27	96	63			56	51	52	24	12	0.31	-
28	97	63			57	55	53	39	31	0.33	-
29	86	55			56	54	82	68	53	0.37	0.41
30	69	54			55	52	73	42	24	0.17	0.13
Tot:										7.01	1.53
Ave:	89	60							20		

GUJRANWALA

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	55			56	51	88	33	19	0.16	-
2	87	55			54	63	57	34	10	0.14	-
3	89	61			57	53	55	33	22	0.25	-
4	89	61			54	52	48	28	13	0.21	-
5	93	63			57	49	47	20	16	0.24	-
6	98	65			56	50	44	20	8	0.28	-
7	100	67			61	68	49	33	8	0.26	-
8	105	70			65	65	51	31	10	0.34	-
9	103	69			61	53	47	20	12	0.32	-
10	102	66			59	58	51	32	54	0.39	-
11	99	67			64	63	55	50	19	0.32	-
12	99	68			64	65	61	44	37	0.36	-
13	93	64			62	64	71	68	54	0.29	0.12
14	77	60			58	59	66	53	57	0.19	0.15
15	82	60			55	57	69	42	51	0.23	-
16	90	63			55	49	49	24	21	0.25	-
17	92	66			57	70	42	47	23	0.30	-
18	99	72			55	56	39	29	20	0.38	-
19	95	67			60	57	67	40	35	0.31	0.04
20	85	64			56	34	44	23	25	0.26	-
21	100	71			63	53	47	20	16	0.33	-
22	103	73			58	56	39	23	16	0.38	-
23	105	76			53	46	33	17	37	0.43	-
24	104	66			52	49	32	17	26	0.40	-
25	104	67			58	53	39	18	16	0.32	-
26	107	69			58	48	35	14	13	0.41	-
27	109	71			59	53	36	17	17	0.46	-
28	110	72			62	52	45	16	12	0.44	-
29	110	73			64	57	40	19	10	0.42	-
30	111	75			65	61	41	26	9	0.40	-
31	108	75			75	74	65	37	14	0.41	-
Tot:										9.88	0.31
Ave:	98	67							23		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	71			66	76	47	37	22	0.45	-
2	109	70			59	68	37	31	11	0.41	-
3	107	70			65	64	46	26	22	0.43	-
4	106	74			64	59	48	22	11	0.39	-
5	113	80			63	56	39	22	32	0.48	-
6	106	71			63	64	43	26	23	0.44	-
7	107	72			67	66	49	27	11	0.44	-
8	111	73			67	69	47	30	10	0.42	-
9	111	73			69	67	48	26	6	0.35	-
10	113	78			69	71	44	32	9	0.45	-
11	113	84			70	71	44	36	14	0.46	-
12	106	76			69	72	41	37	22	0.40	-
13	108	77			74	73	57	36	12	0.39	-
14	109	82			71	74	54	37	13	0.41	-
15	106	80			70	78	51	41	10	0.40	-
16	110	78			72	78	62	41	13	0.41	-
17	110	82			74	80	55	43	13	0.43	-
18	110	80			77	80	61	43	12	0.44	-
19	110	80			77	80	61	43	13	0.44	-
20	111	82			77	81	58	43	13	0.46	-
21	112	82			76	83	63	48	30	0.45	0.12
22	110	83			76	86	63	52	12	0.45	-
23	108	70			67	81	77	55	37	0.47	0.40
24					77	82	72	49	15	0.25	-
25	107	79			77	89	67	55	10	0.30	-
26	111	80			66	69	47	30	8	0.33	-
27	108	82			71	69	54	34	12	0.35	-
28	104	72			69	71	67	45	37	0.38	0.30
29	99	80			75	74	65	46	11	0.30	-
30	101	73			62	70	64	44	22	0.33	-
Tot:										12.11	0.82
Ave:									16		

GUJRANWALA

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	76			69	72	60	47	11	0.26	0.07
2	99	76			69	69	55	39	23	0.34	–
3	105	79			70	73	55	40	14	0.37	–
4	106	84			71	74	58	39	12	0.35	–
5	107	82			77	79	67	44	24	0.37	–
6	106	83			76	78	66	42	8	0.30	0.05
7	108	84			79	75	70	38	28	0.32	–
8	110	76			73	77	68	49	31	0.38	–
9	104	80			73	77	71	51	41	0.33	–
10	102	82			74	75	71	53	25	0.28	–
11	101	74			73	76	78	53	12	0.24	–
12	99	79			78	73	79	42	26	0.26	0.07
13	103	83			76	72	63	40	14	0.31	–
14	105	79			73	75	78	60	21	0.34	–
15	98	78			79	74	80	57	33	0.30	0.13
16	92	77			75	72	72	40	23	0.29	–
17	105	82			80	78	80	52	15	0.31	–
18	101	81			81	77	91	51	19	0.28	0.12
19	99	84			81	79	77	54	16	0.25	–
20	101	80			79	78	91	67	33	0.28	0.18
21	93	79			79	79	91	91	18	0.21	0.14
22	90	77			77	77	87	63	11	0.17	0.25
23	93	78			78	76	95	66	21	0.24	0.77
24	92	72			73	77	95	83	29	0.28	2.53
25	84	74			75	76	95	79	15	0.17	4.16
26	84	77			76	78	79	67	18	0.19	–
27	92	79			77	81	76	74	14	0.22	–
28	91	75			75	76	95	79	11	0.24	0.75
29	92	74			73	74	82	60	9	0.18	0.16
30	92	73			73	76	75	58	18	0.13	0.02
31	97	78			81	78	87	52	6	0.19	
Tot:										8.38	9.40
Ave:	98	79							19		

GUJRANWALA

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	81			84	81	84	53	4	0.21	-
2	103	84			83	80	84	54	6	0.22	-
3	101	77			78	80	87	76	22	0.25	-
4	91	77			79	79	87	54	18	0.20	0.14
5	99	81			79	79	83	64	6	0.19	-
6	96	80			78	78	87	95	30	0.26	-
7	87	75			77	79	95	70	24	0.24	1.69
8	95	78			80	81	91	77	5	0.17	-
9	91	79			81	80	96	80	12	0.19	0.06
10	89	77			78	78	95	83	14	0.17	-
11	87	79			80	83	87	71	8	0.16	0.09
12	96	72			73	77	95	91	20	0.24	2.85
13	84	74			78	79	91	87	8	0.13	0.06
14	90	76			79	84	96	84	7	0.15	0.11
15	92	78			77	77	87	83	9	0.21	-
16	86	76			76	83	95	88	3	0.14	-
17	91	77			77	82	91	80	10	0.22	-
18	93	78			78	80	87	76	13	0.24	-
19	92	80			80	78	91	67	3	0.13	-
20	94	79			78	77	83	67	5	0.22	-
21	93	74			74	75	83	60	4	0.17	-
22	93	72			73	76	82	63	16	0.19	0.58
23	91	77			75	77	79	63	6	0.14	-
24	94	78			78	78	79	56	5	0.17	-
25	99	76			69	75	77	63	5	0.22	-
26	91	74			72	74	78	52	10	0.19	-
27	96	79			80	69	87	42	4	0.18	-
28	98	80			79	71	80	41	5	0.18	-
29	101	79			75	73	69	44	6	0.24	-
30	102	78			79	75	80	49	3	0.21	-
31	99	77			76	75	75	44	7	0.19	-
Tot:										6.02	5.58
Ave:	94	77							10		

GUJRANWALA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	79			77	73	69	44	6	0.16	-
2	100	78			74	76	68	47	8	0.19	-
3	102	77			75	71	72	45	4	0.18	-
4	100	76			72	72	68	43	4	0.17	-
5	101	78			76	74	75	46	9	0.23	-
6	100	78			76	73	72	48	8	0.20	-
7	98	72			71	73	82	78	20	0.23	0.03
8	81	72			74	77	87	63	14	0.19	1.87
9	92	74			73	70	82	53	7	0.22	-
10	91	73			74	73	83	62	11	0.22	-
11	90	74			73	72	91	74	6	0.18	-
12	85	72			72	77	90	76	16	0.16	0.76
13	88	75			78	77	87	69	4	0.12	0.03
14	89	75			75	77	83	67	3	0.10	0.01
15	93	74			76	72	91	71	7	0.13	-
16	83	71			72	72	82	62	17	0.11	0.53
17	89	68			70	69	81	50	9	0.18	-
18	91	69			70	73	74	54	5	0.19	-
19	94	71			73	73	82	59	4	0.18	-
20	93	72			69	71	73	58	4	0.20	-
21	91	70			71	71	82	54	4	0.16	-
22	93	73			72	70	82	51	5	0.18	-
23	94	74			73	72	82	54	11	0.21	-
24	93	69			69	74	73	60	13	0.23	-
25	93	72			74	75	86	75	5	0.19	-
26	94	63			64	71	85	56	8	0.21	-
27	93	68			68	68	77	52	5	0.18	-
28	92	72			71	67	78	49	6	0.19	-
29	95	70			71	82	70	77	6	0.20	-
30	96	70			72	71	78	56	4	0.19	-
Tot:										5.48	3.23
Ave:	93	73									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	68			69	71	73	58	6	0.17	-
2	92	67			65	65	69	56	18	0.24	-
3	93	65			65	68	72	55	13	0.22	-
4	91	65			68	70	77	55	5	0.15	-
5	92	64			69	71	86	58	5	0.18	-
6	93	64			69	71	81	56	6	0.18	-
7	94	66			69	73	77	57	4	0.16	-
8	94	66			71	71	78	56	5	0.18	-
9	93	67			71	70	78	55	6	0.17	-
10	94	68			72	71	82	61	4	0.17	-
11	91	68			69	69	86	64	5	0.16	-
12	90	64			64	69	72	55	11	0.19	-
13	91	65			66	71	90	58	6	0.17	-
14	91	65			67	69	85	60	6	0.16	-
15	90	64			62	67	84	90	10	0.18	0.02
16	75	61			64	65	89	62	23	0.09	0.23
17	82	60			61	62	79	58	15	0.12	-
18	85	58			61	62	84	55	11	0.14	-
19	87	58			62	64	84	55	6	0.11	-
20	88	60			65	64	89	53	6	0.13	-
21	90	59			61	69	75	58	11	0.17	-
22	92	60			64	65	85	53	6	0.14	-
23	91	60			60	65	79	59	8	0.15	-
24	88	58			57	66	78	56	6	0.13	-
25	91	61			66	72	90	65	4	0.12	-
26	89	63			67	71	90	64	5	0.11	-
27	90	63			65	70	85	67	4	0.09	-
28	88	66			65	72	76	74	21	0.14	-
29	83	63			60	64	70	53	14	0.11	-
30	88	60			60	64	70	59	18	0.13	-
31	88	58			59	66	79	56	12	0.15	-
Tot:										4.71	0.25
Ave:	90	63							9		

GUJRANWALA

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	58			63	68	89	60	7	0.13	-
2	90	57			61	69	89	60	4	0.15	-
3	91	58			59	63	88	53	2	0.12	-
4	88	57			56	66	88	63	4	0.12	-
5	89	57			56	68	78	70	4	0.14	-
6	87	56			56	65	88	59	7	0.13	-
7	88	58			59	62	89	55	16	0.17	-
8	87	56			60	64	94	59	10	0.15	-
9	89	57			62	64	94	61	6	0.12	-
10	88	57			59	64	89	68	4	0.11	-
11	83	59			61	61	89	60	3	0.08	-
12	84	60			58	56	83	52	14	0.10	-
13	85	57			56	56	78	55	5	0.11	-
14	81	52			55	53	88	53	9	0.10	-
15	80	47			51	50	93	48	9	0.12	-
16	80	46			49	53	86	56	5	0.09	-
17	78	47			48	49	80	45	3	0.08	-
18	78	45			48	51	93	52	17	0.11	-
19	81	48			47	55	80	61	3	0.08	-
20	79	51			50	54	81	60	4	0.07	-
21	79	50			46	41	69	41	1[illegible]	0.12	-
22	70	40			40	40	60	42	19	0.12	-
23	74	38			34	37	68	35	13	0.07	-
24	75	40			34	40	62	40	5	0.05	-
25	74	38			35	41	74	43	12	0.08	-
26	75	38			38	43	83	47	6	0.07	-
27	76	36			41	40	92	42	7	0.08	-
28	75	37			37	38	83	41	4	0.06	-
29	74	37			35	38	74	41	5	0.07	-
30	75	36			40	37	84	40	3	0.04	-
Tot:										3.04	0.00
Ave:	81	49							7		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	35			34	37	82	37	5	0.06	-
2	73	36			32	40	73	42	6	0.06	-
3	74	38			35	38	82	41	8	0.08	-
4	72	40			38	46	83	53	4	0.04	-
5	74	41			42	44	78	48	4	0.06	-
6	73	41			40	45	84	52	5	0.08	-
7	75	40			41	46	92	53	9	0.09	-
8	75	41			42	52	92	67	10	0.07	-
9	76	43			43	50	92	62	4	0.06	-
10	74	44			45	53	92	64	3	0.06	-
11	74	42			43	46	78	56	3	0.07	-
12	71	40			40	49	91	54	11	0.09	-
13	71	37			38	49	91	58	12	0.10	-
14	73	37			39	47	84	57	9	0.08	-
15	72	36			37	40	91	42	8	0.06	-
16	74	37			38	41	91	46	5	0.05	-
17	71	36			35	44	90	51	4	0.05	-
18	73	38			39	43	91	47	6	0.07	-
19	75	37			36	45	82	52	3	0.06	-
20	71	36			35	44	82	55	5	0.07	-
21	73	38			38	45	91	55	3	0.06	-
22	72	36			34	45	82	59	3	0.05	-
23	71	35			33	42	81	50	4	0.05	-
24	72	35			36	45	100	55	4	0.04	-
25	70	35			35	42	90	54	6	0.06	-
26	72	36			35	44	90	55	2	0.05	-
27	71	37			37	46	91	60	5	0.06	-
28	68	37			37	45	91	52	5	0.06	-
29	66	35			33	41	81	46	5	0.06	-
30	71	35			38	42	83	50	5	0.07	-
31	70	39			39	45	91	55	7	0.06	-
Tot:										1.98	0.00
Ave:	72	38							6		

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Location	Latitude 34°00', Longitude 72°56', inside Civil Rest House, Haripur.
Elevation	1,750 ± ft msl.
Period of record	Rainfall data since July 1960; recording rain gauge was installed by Surface Water Hydrology Project in the observatory situated in the premises of Telephone Factory Haripur and maintained by Pakistan Meteorological Services. Surface Water Hydrology established its own observatory in August 1969.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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HARIPUR

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24	96	73									-
25	96	68									0.66
26	95	68									0.65
27	94	72									-
28	97	72									-
29	99	72									-
30	101	73									-
31	101	73									-
Tot:											
Ave:											

HARIPUR

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	73									-
2	100	75									-
3	100	75									-
4	99	70									0.04
5	100	73									-
6	101	75									-
7	82	71									0.59
8	86	69									-
9	92	69									-
10	95	70									-
11	96	74									-
12	94	73									-
13	98	74									-
14	98	68									0.27
15	86	68									0.26
16	88	66									-
17	90	65									-
18	92	64									-
19	95	64									-
20	96	63									-
21	95	65									-
22	96	66									-
23	96	68									-
24	95	64									-
25	95	63									0.40
26	93	62									-
27	94	64									-
28	96	66									-
29	95	67									-
30	96	67									-
Tot:											1.56
Ave:	95	68									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	69									-
2											0.45
3	89	63									-
4	90	62									0.58
5	89	62									-
6	93	61									-
7	92	62									-
8	95	61									-
9	94	63									-
10	93	64									-
11	92	62									-
12	80	59									0.46
13	88	60									-
14	89	61									0.62
15	82	62									0.11
16	76	56									0.24
17	81	57									-
18	85	56									-
19	87	57									-
20	85	56									-
21	88	55									-
22	90	55									-
23	89	58									-
24	86	57			51	63	48	72			-
25	90	56			54	60	52	68			-
26	90	56			55	60	62	68			-
27	89	60			58	59	60	89			-
28	86	54			56		83				3.59
29	70	56			54	61	69	84			0.03
30	76	56			57	60	70	68			-
31	81	54			54	54	54	45			-
Tot:											6.08
Ave:											

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	55			51	55	54	45			-
2	84	54			53	51	58	41			-
3	85	54			54	59	59	71			-
4	85	54			58	60	71	84			-
5	81	55			53	57	58	66			-
6	81	58			58	62	79	84			-
7	82	55			57	61	79	80			-
8	84	54			55	59	62	75			-
9	85	55			57	61	83	80			-
10	80	55			54	58	69	71			-
11	75	54			54	59	69	79			-
12	80	57			55	58	74	79			0.27
13	70	50			51	54	80	69			-
14	76	49			52	48	73	50			-
15	76	47			49	47	76	59			-
16	76	47			46	50	58	60			-
17	77	45			61	59	34	79			-
18	74	44			44	46	57	62			-
19	76	48			48	47	76	63			0.19
20	64	46			47	54	81	78			-
21	67	48			48	46	76	55			-
22	70	42			48	48	81	67			-
23	70	71			45	45	75	54			-
24	71	41			41	43	68	47			-
25	75	40			37	44	46	53			-
26	75	39			48	43	81	64			-
27	73	40			45	50	75	77			-
28	71	40			40	45	54	69			-
29	70	40			42	45	60	61			-
30	72	41			40	44	54	57			-
Tot:											0.46
Ave:	76	48									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	40			40	45	63	57			-
2	70	38			37	45	57	65			-
3	68	39			32	44	40	64			-
4	74	41			41	44	59	49			-
5	73	47			45	41	57	45			-
6	70	43			42	45	60	53			-
7	71	42			43	48	74	59			-
8	74	43			40	44	67	49			-
9	75	43			45	46	69	49			-
10	71	42			43	46	74	51			-
11	72	43			40	43	63	52			-
12	72	40			40	45	58	57			-
13	72	39			35	43	42	52			-
14	69	39			33	41	38	58			-
15	70	44			41	41	59	58			-
16	69	43			37	39	66	50			-
17	67	40			34		69				-
18	71	41			32	43	63	64			-
19	70	39			24	42	41	59			-
20	71	40			34	43	69	79			-
21	70	38			32	37	57	52			-
22	67	38			31	39	53	57			-
23	67	37			31	34	49	43			-
24	66	36			30	41	52	58			-
25	70	37			29	38	56	57			-
26	63	38			28	39	51	57			-
27	66	38			31	39	62	57			-
28	66	37			30	41	57	58			-
29	64	43			37	42	66	63			-
30	59	45			37	48	66	66			-
31	64	40			35	44	70	69			-
Tot:											0.00
Ave:	69	40									

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Location	Latitude 25°15', Longitude 67°05', near Hub Dam site colony.
Elevation	270 ± ft msl.
Period of record	Rainfall data only from March 1961 to date, station operated by Karachi Irrigation Project. Observatory established by Surface Water Hydrology Project in early 1962.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Pyrheliometer.
Annual figures	Precipitation 1.60 inches Evaporation (Pan) 197.31 inches Absolute maximum air temperature 110 °F Absolute minimum air temperature 44 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record. (-) indicates no precipitation.

HUB DAM SITE

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	48	68	45	36		58		325		0.29	-
2	72	46	70	44	33	11	56	10	311		0.31	-
3	70	44	68	42	26	2	42	7	325		0.30	-
4	68	44	65	42	30	28	54	21	311		0.28	-
5	72	54	66	42	53	62	68	30	296		0.32	-
6	74	54	72	41	43	50	63	46			0.30	-
7	74	54	72	52	35	40	36	27			0.34	-
8	78	56	74	52	38	28	44	18	339		0.35	-
9	76	52	71	40	24	41	29	25	268		0.33	-
10	82	56	78	45	44	38	55	21	311		0.44	-
11	84	56	79	52	38	59	44	57	240		0.42	-
12	78	58	71	52	47	45	49		339		0.35	-
13	80	46	77	44	25		35		339		0.40	-
14	80	48	73	45	22	17	32	2	282		0.44	-
15	78	48	72	44	33	11	47	8	311		0.33	-
16	78	50	74	48	38	1	60	32	282		0.34	-
17	76	50	72	47	25	37	35	23	311		0.33	-
18	80	52	76	46	35	25	42	13	325		0.46	-
19	82	54	79	52	38	29	51	16	339		0.40	-
20	80	56	71	53	35	29	42	17	353		0.38	-
21	78	52	73	46	32	25	40	13	311		0.35	-
22	82	54	78	50	32	30	40	15	325		0.42	-
23	84	56	80	52	35	12	42	7	325		0.46	-
24	82	50	78	48	35	30	49	15	339		0.44	-
25	84	54			35	52	42	36	339		0.48	-
26	84	58	82	56	41	52	41	38	282		0.46	-
27	82	54	80	52	23	43	18	29	282		0.44	-
28	80	52	78	49	32	11	34	8	325		0.40	-
29	78	48	75	45	29	43	38	29	311		0.38	-
30	80	54	77	53	28	47	27	31	325		0.42	-
31	82	56	79	55	38	33	38	21	254		0.43	-
Tot:											11.79	0.00

HUB DAM SITE

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Max	Pan Min	Dew 8 A.M	Dew 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	50	75	47	24	10	29	9	339			-
2	74	44	72	43	22	37	32	23	339			-
3	80	50	77	46	28	19	32	10	311			-
4	82	50	78	47	24	33	29	21	325			-
5	78	48			6	43	12	29	296			-
6	80	50			13	41	15	25	311			-
7	82	54			35	29	36	16	339			-
8	80	50			19	37	22	23	339			-
9	81	52			32	30	34	15	325			-
10	84	50			43	111	73	25	353			-
11	82	52			32	52	29	38	339			-
12	83	62			57	49	78	36	282			-
13	81	58			48	39	65	30	367			-
14	74	52			43	48	63	40	409			-
15	76	56			46	50	56	46	353			-
16	74	56			48	44	65	42	184			-
17	70	52			46	37	74	23	409			-
18	80	52			46	31	74	18	381			-
19	81	53			43		63		395			-
20	84	55			46		64		381			-
21	87	58			46	59	56	46	353			-
22	84	62			55	62	69	58	325			-
23	80	66	78	64	56	61	61	51	381		0.42	-
24	83	63	81	62	57	61	78	60	381		0.44	-
25	78	62	75	61	63	59	89	46	325		0.37	-
26	84	58	82	55	53	61	76	51	353		0.45	-
27									325			
28						56		36	339			

HUB DAM SITE

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1			87	60	32	53	29	31	381		0.42 *	-
2	88	60	84	58	49	59	58	46	381		0.50	-
3	84	60	81	59	44	62	48	58	395		0.44	-
4	80	62	77	60	41	50	41	33	395		0.43	-
5	84	62	82	60	44	54	48	43	395		0.45	-
6	80	62	78	61	18	59	15	57	424		0.40	-
7	78	62	77	61	51	61	59	57	409		0.38	-
8	79	61	78	60	55	54	69	43	381		0.40	-
9	80	64	79	62	49	55	51	39	309		0.42	-
10	84	63	82	61	54	63	60	64	409		0.46	-
11	78	68	77	65	47	61	44	28	424		0.42	-
12	102	66	100	65	54	57	54	40	409		0.80	-
13	86	66	88	64	52	68	53	38	395		0.60	-
14	100	66	92	62	60	69	70	60	438		0.70	-
15	86	70	90	63	55	55	49	24	452		0.60	-
16	100	68	90	64	57	64	55	40	353		0.60	-
17	94	72	92	67	68	65	81	44	381		0.52	-
18	92	70	90	67	64	69	72	60	424		0.50	-
19	86	72	88	67	61	65	63	44	395		0.48	-
20	92	68	90	67	59	56	62	29	424		0.55	-
21	94	68	91	66	62	68	71	52	452		0.63	-
22	90	72			63	59	64	37	466		0.58	-
23	90	74	91	71	63	61	64	36	438		0.55	-
24	94	76	93	74	65	67	65	49	395		0.62	-
25	92	74	94	70	70	65	81	53	381		0.60	-
26	86	70	90	67	48	59	40	37	409		0.53	-
27	92	66	93	60	42	60	36	34	409		0.58	-
28	96	64	93	58	42	59	36	31	452		0.64	-
29	96	66	94	55	39	58	30	35	452		0.65	-
30	92	66	95	54	28	55	18	34	452		0.59	-
31	90	62	97	52	28	59	21	26			0.57	-
Tot:											16.61	0.00
Ave:												

* Estimated evaporation.

HUB DAM SITE

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	66	100	56	53	59	47	26	395		0.75	-
2	104	70	103	62	55	53	49	20	381		0.81	-
3	104	68	99	67	40	70	27	55	438		0.80	-
4	92	72	95	65	65	70	65	55	424		0.60	-
5	90	74	95	70	69	68	73	38	325		0.59	-
6	102	76	95	65	47	61	31	28	353		0.76	-
7	104	74	100	63	54	71	43	58	395		0.80	-
8	90	72	95	69	67	69	73	32	367		0.65	-
9	108	74	100	68	67	73	73	48	381		0.88	-
10	100	46	98	70	61	69	53	44	409		0.75	-
11	98	78	95	73	71	59	74	31	311		0.74	-
12	98	76	93	71	64	67	59	41	339		0.76	-
13	96	76	95	70	64	67	59	34	325		0.60	-
14	104	76	101	73	71	69	74	42	452		0.83	-
15	100	74	93	70	68	70	66	48	438		0.78	-
16	96	76	91	72	71	70	74	47	452		0.74	-
17	97	72	92	68	65	67	65	38	466		0.62	-
18	100	70	95	69	65	70	65	47	466		0.68	-
19	96	76	92	70	71	73	74	50	452		0.65	-
20	100	78	95	72	63	59	53	31	367		0.70	-
21	98	68	92	65	57	61	55	30	480		0.72	-
22	100	70	95	64	53	65	47	35	494		0.75	-
23	101	68	95	62	54	68	43	38	480		0.78	-
24	102	70	96	66	56	63	44	36	494		0.80	-
25	100	66	95	65	55	71	49	51	480		0.79	-
26	96	70	94	66	58	69	50	42	494		0.78	-
27	100	74	98	71	68	70	66	47	494		0.80	-
28	98	76	96	72	68	67	66	43	325		0.78	-
29	96	74	95	70	52	75	38	49	494		0.80	-
30	102	74	92	64	39	75	48	49	452		0.84	-
Tot:											22.33	0.00
Ave:	99	73	96	68								

HUB DAM SITE

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	76	98	74	65	74	53	52	395		0.86	-
2	98	74	95	64	63	74	53	52	424		0.88	-
3	96	76	90	70	59	76	46	53	438		0.84	-
4	102	76	100	74	63	71	43	39	409		0.90	-
5	104	76	100	72	68	71	55	39	438		0.96	-
6	102	76	95	70	65	74	53	52	480		0.94	-
7	96	78	95	74	73	61	75	39	522		0.90	-
8	95	78	94	74	57	77	40	58	536		0.91	-
9	96	78	95	74	72	76	68	51	367		0.92	-
10	100	78	98	76	73	74	65	44	367		0.95	-
11	102	80	98	76	73	77	62	45	438		0.90	-
12	104	90	98	78	74	75	52	49	452		0.96	-
13	102	80	96	72	43	60	49	29	466		0.92	-
14	101	70	96	66	61	70	57	47	438		0.90	-
15	98	74	96	67	58	66	43	37	452		0.87	-
16	100	72	95	69	59	72	46	43	480		0.90	-
17	102	76	96	70	75	69	75	42	438		0.95	-
18	100	80	90	76	74	70	68	36	424		0.90	-
19	106	78	98	75	71	74	61	35	452		1.00	-
20	112	80	100	67	38	75	60	26	494		1.05	-
21	110	78	98	74	49	68	26	38	508		0.95	-
22	104	80	100	76	71	85	61	84	522		0.88	-
23	94	82	97	77	77	77	69	56	452		0.75	-
24	100	78	98	76	73	72	65	49	480		0.90	-
25	98	80	100	77	69	75	60	57	494		0.87	-
26	96	80	97	76	68	76	55	53	522		0.85	-
27	100	80	95	75	67	78	49	64	522		0.95	-
28	95	82	92	76	74	83	68	74	536		0.90	-
29	96	82	94	75	77	85	69	84	522		0.88	-
30	94	82	93	78	77	81	69	70	522		0.87	-
31	96	82	94	78	77	85	69	84	508		0.89	-
Tot:											28.10	0.00
Ave:	100	78	96	73								

HUB DAM SITE

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	82	92	78	77	78	69	64	536		0.86	-
2	96	80	95	76	74	74	68	52	452		0.88	-
3	98	80	95	73	71	76	61	53	381		0.90	-
4	100	80	95	75	75	78	75	49	367		0.95	-
5	103	80	100	75	77	84	76	60	395		0.96	-
6	104	78	98	74	77	62	76	27	409			-
7	110	80	105	77	77	70	76	47	508			-
8	100	82	95	77	77	78	69	64	438		0.84	-
9	98	78	100	77	77	79	76	70	466		0.83	-
10	96	80	95	77	73	79	62	70	494		0.80	-
11	96	82	95	77	77	80	69	65	438		0.82	-
12	98	80	94	76	73	84	62	77	409		0.84	-
13	96	82	98	77	73	79	62	70	367		0.82	-
14	94	82	97	77	74	77	68	69	395		0.80	-
15	94	82	97	77	71	83	61	84	367		0.84	-
16	92	82	95	78	73	76	62	63			0.80	-
17	94	82	93	78	70	82	55	77			0.82	-
18	94	82	95	79	78	78	85	64			0.78	-
19	98	80	95	76	73	80	62	65			0.88	-
20	100	82	97	78	73	78	62	64			0.86	-
21	97	82	94	75	73	77	62	56			0.85	-
22	106	78	100	72	70	78	55	49			0.98	-
23	110	82	105	78	77	77	69	56	30		1.00	-
24	106	82	104	80	74	78	68	56	31		0.90	-
25	108	82	106	77	76	77	63	58	31		0.92	-
26	102	82	100	76	74	77	68	58	30		0.87	-
27	100	82	95	75	73	77	62	58	31		0.85	-
28	98	84	97	80	71	73	65	50	30		0.80	-
29	97	83	94	80	72	74	65	60	13		0.70	-
30	95	82	92	78	74	78	65	64	33		0.68	-
Tot:												0.00
Ave:	99	81										

HUB DAM SITE

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	82	90	78	73	78	62	67	353		0.66	-
2	96	83	92	80	77	81	69	68	395		0.65	-
3	98	84	95	80	79	82	70	62	466		0.63	-
4	99	85	96	82	77	80	67	57	494		0.62	-
5	98	83	94	80	77	81	63	59	522		0.62	-
6	97	82	93	79	75	76	60	53	508		0.62	-
7	98	83	94	80	79	75	70	53	367		0.61	-
8	96	81	93	80	76	79	63	61	424		0.60	-
9	95	83	93	79	78	81	73	68	311		0.60	-
10	94	82	92	79	77	78	69	64	268		0.58	-
11	94	80	91	78	79	87	83	92	254		0.58	-
12	93	80	91	79	69	81	67	70	311		0.58	-
13	98	81	95	78	77	84	76	84	353		0.60	-
14	100	83	96	80	78	83	73	74	367		0.61	-
15	98	84	94	81	77	77	69	67	85		0.59	-
16			90	79	67	77	73	87	240		0.57	-
17			95	86	80	79	80	70	325		0.58	-
18	93	81	91	79	75	77	75	69	198		0.58	-
19	92	81	90	78	77	81	76	77	170		0.56	-
20	92	80	90	78	83	84	92	88	268		0.56	-
21	90	80	88	77	83	85	96	96	170		0.54	-
22	90	78	89	76	86	82	96	100	268		0.52 *	-
23	102	78	99	76	81	81	80	87	282		0.51	0.01
24	104	78	100	75	78	78	87	73	198		0.54	-
25	88	78	85	74	76	76	83	63	268		0.52	-
26	90	80	87	76	69	70	60	55	339		0.50	-
27	90	79	88	76	70	75	61	63	353		0.51	-
28	92	80	89	78	80	74	87	65	339		0.50 *	-
29	89	79	85	76	76	80	83	87	240		0.50	-
30	88	76	83	72	76	79	83	80	381		0.48	-
31	92	82	89	78	81	84	91	96	296		0.50	-
Tot:											17.62	0.01
Ave:			91	75								

HUB DAM SITE

August 1969

Date	TEMPERATURES F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	80	79	78	82	84	92	88	282		0.50	-
2	91	81	79	78	83	84	92	92	296		0.51	-
3	92	83	88	80	81	84	91	88	267		0.52	-
4	91	82	88	79	82	83	92	84	99		0.51	-
5	93	83	90	80	84	85	92	88	141		0.51	-
6	90	83	87	80	79	83	83	84	198		0.50	-
7	92	84	90	81	81	81	87	77	325		0.50	-
8	92	83	89	80	83	84	96	92	254		0.51	-
9	91	83	88	80	81	84	87	88	155		0.50	-
10	91	83	88	80	81	83	87	84	184		0.50	-
11	89	79			81	82	96	96	113		0.48	-
12	85	77	82	74	75	77	91	91	99		0.45	-
13	84	72	81	69	76	76	87	83	141		0.38	-
14	85	80	82	78	78	81	83	84	268		0.42	-
15	88	78	84	75	81	84	87	84	579		0.45	-
16	89	78	86	74	81	83	91	84	508		0.46	-
17	88	78	84	74	80	81	96	91	212		0.44	-
18	89	77	86	74	72	74	74	71	240		0.46	-
19	88	77	85	74	73	76	86	91	226		0.48	-
20	87	76	84	74	73	75	91	95	254		0.45	-
21	87	76	84	73	73	74	75	68	282		0.43	-
22	88	77	85	74	80	82	91	88	268		0.42	-
23	88	76	85	74	79	83	91	84	325		0.40	-
24	92	76	89	73	71	72	64	59	325		0.39	-
25	92	77	88	74	70	71	67	61	296		0.40	-
26	90	76	86	73	79	82	91	92	325		0.43	-
27	91	75	88	72	80	82	91	88	325		0.45	-
28	90	76	86	73	81	84	91	96	311		0.44	-
29	90	75	87	72	82		96		282		0.42	-
30	91	76	89	73	78	81	87	84	254		0.43	-
31	91	76	87	73	76	79	83	80	212		0.44	-
Tot:											14.18	0.00
Ave:	90	78										

HUB DAM SITE

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	76	87	72	75	76	83	79	240		0.43	-
2	90	77	88	75	78	80	87	80	226		0.42	-
3	89	76	87	75	76	79	79	80	226		0.40	-
4	91	76	90	74	77	83	87	88	268		0.45	-
5	92	77	89	75	77	81	83	84	268		0.43	-
6	91	75	88	72	75	78	79	79	282		0.42	-
7	86	80	83	78	75	79	72	87	296		0.46	-
8	96	89	95	86	83	74	71	83	254		0.47	-
9	104	76	102	75	80	83	76	74	282		0.53	0.38
10	103	76	100	75	78	79	87	80	296		0.48	-
11			95	86	73	74	78	71	311		0.46	-
12	92	76			74	76	78	75	311		0.45	-
13	90	76	88	74	73	73	78	71	240		0.43	-
14	88	76	86	73	74	77	71	72			0.40	-
15						69		48	339		0.41*	-
16	92	74	89	72	70	59	74	31	325		0.49	-
17	98	72	97	70	74	68	91	48	339		0.49	-
18	92	74	90	71	71	67	82	54	353		0.45	-
19	90	72	86	70	69	67	77	57	367		0.44	-
20	88	74	85	71	69	76	73	60	325		0.41	-
21	90	75	88	72	78	67	83	49	353		0.40	-
22	98	76	96	72	81	84	84	77	367		0.46	-
23	92	75	89	72		82		92	353		0.43	-
24	92	74	90	71					339		0.45	-
25	90	73	88	70					296		0.44	-
26	88	75	86	71					311		0.45	-
27	89	76	87	73	80	69	91	58	325		0.47	-
28	90	75	88	73	77	80	91	87	325		0.42	-
29	91	74	89	71	78	79	87	83	367		0.44	-
30	90	73	87	70	76	81	79	84	353		0.42	-
Tot:											13.24	0.38
Ave:												

* Estimated evaporation.

HUB DAM SITE

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Pp 8 A.	Dew Pp 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	73	86	70	78	82	83	92	381		0.41	-
2	89	74	86	71	78	83	91	84	339		0.42	-
3	95	76	91	72	76	78	83	83	296		0.48	-
4	91	74	91	72	73	76	71	72	353		0.42	0.01
5	90	76	88	73	77	80	87	80	367		0.39	-
6	91	76	88	72	76	78	83	73	325		0.40	-
7	92	71	90	68	74	77	75	76	367		0.43	-
8	92	70	90	67	78	80	87	76	381		0.44	-
9	100	72	98	69	76	75	83	57	367		0.45	-
10	102	71	100	68	77	78	83	73	353		0.48	-
11	101	72	98	69	75	74	79	68	353		0.46	-
12	92	78	90	75	73	76	75	75	367		0.42	-
13	91	73	89	70	75	75	83	69	353		0.40	-
14	90	76	89	73	77	79	91	80	367		0.43	-
15	91	75	89	71	75	77	83	56	353		0.44	-
16	96	74	95	71	71	70	64	47	367		0.41	-
17	98	75	95	71	72	75	65	63	339		0.39	-
18	99	74	95	71	71	81	67	68	353		0.42	-
19	95	71	90	68	65	70	65	61	367		0.46	-
20	91	72	89	70	71	71	86	58	353		0.51	-
21	92	74	90	71	74	73	86	62	367		0.40	-
22	93	73	90	69	75	71	79	61	381		0.38	-
23	100	72	96	70	69	74	64	52	339		0.36	-
24	101	74	97	70	73	77	75	61	353		0.41	-
25	102	75	99	71	68	75	58	53	367		0.44	-
26	101	73	97	70	70	75	67	57	381		0.46	-
27	102	73	99	70	65	72	53	49	367		0.47	-
28	96	74	93	70	71	82	67	77	395		0.52	-
29	92	72	90	69	69	71	67	54	381		0.43	-
30	93	72	90	68	72	71	82	51	339		0.45	-
31	94	73	91	70	69	70	86	55	367		0.50	-
Tot:											13.48	0.01
Ave:	95	73	92	70								

HUB DAM SITE

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	70	91	68	73	73	95	59	367		0.50	-
2	92	72	90	70	73	74	95	68	353		0.44	-
3	91	71	88	69	72	72	82	65	268		0.42	-
4	92	73	90	70	71	73	90	78	268		0.46	-
5	92	70	89	66	76	71	91	64	254		0.48	-
6	93	69	90	66	70	74	86	65	296		0.50	-
7	96	72	94	69	63	73	53	54	311		0.49	-
8	95	69	92	66	60	72	48	62	311		0.47	-
9	95	69	92	66	73	74	91	68	325		0.48	-
10	96	67	92	64	69	75	73	75	268		0.50	-
11	93	69	90	65	72	78	78	79	282		0.43	-
12	94	72	91	69	65	72	69	68	268		0.40	-
13	92	70	89	66	70	74	86	75	282		0.41	-
14	91	66	88	64	63	70	64	67	240		0.38	-
15	91	68	88	65	60	73	60	71	226		0.36	-
16	92	71	88	68	65	73	72	65	254		0.39	-
17	93	72	90	70	67	70	73	61	254		0.40	-
18	90	68	88	66	59	71	59	58	282		0.35	-
19	90	66	87	62	47	65	26	46	296		0.37	-
20	89	58	84	54	49	47	70	47	296		0.36	-
21	88	56	82	52	54	51	93	52	311		0.35	-
22	86	55	82	52	43	47	41	44	311		0.36	-
23	84	56	78	51	29	35	17	21	296		0.38	-
24	83	55	76	37	32	25	24	13	311		0.42	-
25	83	57	73	46	32	45	34	27	339		0.56	-
26	86	52	77	44	28	52	35	36	325		0.30	-
27	86	56	77	48	48	53	70	40	296		0.20	-
28	82	58	76	48	35	49	39	34	311		0.30	-
29	80	60	74	51	40	48	40	33	311		0.37	-
30	82	68	72	54	41	40	41	61	282		0.37	-
Tot:											12.20	0.00
Ave:	90	65										

HUB DAM SITE

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	58	72	50	37	47	40	31	282		0.50	-
2	82	61	75	50	45	47	38	31	268		0.51	-
3	84	64	76	54	41	49	41	29	282		0.50	-
4	88	62	78	68	50	58	62	43	282		0.25	-
5	86	62	79	55	57	65	83	89	296		0.22	-
6	85	59	78	54	52	63	71	80	282		0.36	-
7			78	52	44	54	45	41	296		0.20	-
8	86	56	80	54	46	33	60	16	268		0.33	-
9	85	60	80	54	41	45	46	27	240		0.30	-
10			82	53	48	41	86	25	268		0.32	-
11	84	52	78	52	51	12	66	36	268		0.25	-
12	82	52	80	54	41	32	46	24	282		0.31	-
13	84	52	75	42	41	43	53	29	254		0.35	-
14	78	52	74	47	38	57	60	78	268		0.31	-
15	82	52	74	46	34	46	44	33	296		0.32	-
16	83	54	75	52	38	55	51	77	296		0.35	-
17	78	52	72	46	36	48	28	40	311		0.38	-
18	84	50	76	47	38	46	60	39	282		0.22	-
19	85	52	75	48	46	50	69	46	268		0.25	-
20	89	53	77	47	32	34	43	41	268		0.42	-
21	85	52	74	47	38	39	55	24	282		0.25	-
22	81	54	75	52	38	45	51	32	268		0.35	-
23	80	53	73	47	35	47	49	44	254		0.32	-
24	81	54	73	47	41	43	61	41	254		0.37	-
25			73	51	35	2	45	7	240		0.39	-
26			73	51	37	53	84	40	268		0.35	-
27	84	51	75	51	40	40	65	26	240		0.23	-
28	83	50	75	46	34	49	48	40	254		0.38	-
29	81	53	75	51	42	58	62	70	226		0.20	-
30			75	50	43	42	47	28	254		0.25	-
31	78	53	73	50	42	52	58	67	254		0.39	-
Tot:											10.13	0.00
Ave:			76	51								

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Location Latitude 25°19', Longitude 69°13', on Jamesabad - Mirwal road about 2 miles from Jamesabad near railway crossing.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.1.1965 and taken over by Surface Water Hydrology Project in December 1965.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	0.54 inches
Evaporation (Pan)	134.44 inches
Absolute maximum air temperature	112 °F
Absolute minimum air temperature	38 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

JAMESABAD

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	44			39	47	70	44	54	0.20	-
2	74	40			39	44	84	42	52	0.21	-
3	72	40			34	44	68	42	46	0.20	-
4	72	38			28	43	52	39	71	0.30	-
5	73	40			23	47	40	44	99	0.28	-
6	76	46			25	36	35	28	63	0.34	-
7	72	44			26	23	42	16	105	0.35	-
8	77	48			30	18	49	13	114	0.35	-
9	76	48			39	41	70	30	81	0.27	-
10	79	48			38	43	60	29	22	0.18	-
11	82	49			45	56	79	44	43	0.21	-
12	84	50			60	54	94	43	44	0.17	-
13	82	46			39		70		62	0.21	-
14	75	48			39	42	70	36	34	0.20	-
15					48	49	86	36	12	0.18	-
16	81	42	82	46	38	53	60	47	39	0.20	-
17	79	42	73	46	37	64	76	30	34	0.18	-
18	79	43	75	46	36	35	63	22	30	0.17	-
19	80	46	74	46	36	41	63	30	54	0.22	-
20	82	46	74	45	33	43	51	29	59	0.27	-
21	82	44	74	45	33	43	56	29	66	0.30	-
22	80	46	75	45	35	48	57	33	38	0.24	-
23	83	46	75	46	34	43	52	29	57	0.25	-
24	84	47	77	47	40	48	65	28	35	0.24	-
25			78	50	51	53	81	34	48	0.23	-
26	88	56	82	54	61	50	89	33	115	0.20	-
27	86	50	82	52	43	45	73	38	100	0.23	-
28	78	44	77	48	39	40	70	27	22	0.17	-
29	80	44	77	47	36	45	58	30	31	0.21	-
30			75	52	52	52	87	38	42	0.20	-
31	84	58	80	53	59	43	89	29	61	0.22	-
Tot:										7.18	0.00
Ave:									56		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	58	83	58	41	47	53	44	170	0.28	-
2	74	48	74	48	36	42	58	36	36	0.22	-
3	74	43	72	43	31	45	50	38	64	0.25	-
4	76	43	74	43	33	43	56	39	44	0.23	-
5	74	42	71	42	30	45	54	38	79	0.29	-
6	76	43	74	43	28	43	48	32	46	0.20	-
7	80	43	75	43	26	48	42	40	52	0.23	-
8	82	45	75	43	26	37	42	23	72	0.28	-
9	83	44	75	43	30	47	49	31	88	0.30	-
10	84	44	78	44	41	59	71	62	24	0.20	-
11			79	48	49	68	75	66	50	0.20	-
12	84	56	81	53	63	59	89	57	62	0.17	-
13	88	60	85	58	59	58	88	50	155	0.27	-
14	80	46	80	48	41	55	71	49	81	0.31	-
15			80	49	50	52	87	50	116	0.25	-
16	77	50	77	52	48	49	75	40	106	0.27	-
17	80	52	80	53	48	51	75	41	32	0.20	-
18	81	52	84	54	48	54	75	43	28	0.20	-
19	82	50	80	49	41	52	61	38	106	0.28	-
20	84	52	80	50	43	55	63	39	61	0.28	-
21	86	51	84	53	46	65	69	53	29	0.24	-
22			89	54	60	68	84	58	64	0.20	-
23	89	64	85	59	63	70	80	61	80	0.27	-
24	90	62	86	61	63	70	89	67	137	0.29	-
25	88	64	88	63	61	64	84	59	60	0.23	-
26	86	60	85	61	59	62	88	58	37	0.18	-
27	84	60	83	61	55	51	69	30	107	0.20	-
28	90	56	89	57	52	50	71	31	32	0.22	-
Tot:										6.74	0.00
Ave:			80	51					72		

JAMESABAD

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	53	85	55	48	51	70	30	83	0.28	-
2	90	56	87	56	51	54	66	32	49	0.26	-
3	92	54	89	56	44	32	42	39	36	0.25	-
4	94	60	90	57	41	62	41	37	26	0.28	-
5	96	56	88	59	50	62	62	37	39	0.30	-
6	96	58	89	58	55	57	77	33	28	0.27	-
7	95	56	90	59	56	51	82	24	39	0.25	-
8			90	59	50	49	55	21	31	0.28	-
9	98	58	89	59	54	51	73	24	23	0.28	-
10	102	60	93	60	56	54	73	26	18	0.26	-
11	102	58	94	61	49	57	51	27	25	0.30	-
12	104	61	94	61	55	59	69	30	27	0.35	-
13	104	60	94	61	57	60	74	31	31	0.32	-
14	103	60	93	60	55	59	69	30	31	0.32	-
15	105	60	95	62	57	64	78	32	36	0.36	-
16			95	63	62	64	71	35	73	0.40	-
17	100	70	88	66	69	68	90	19	126	0.35	-
18	97	70	92	69	69	65	90	41	174	0.30	-
19	94	69	90	68	68	64	90	35	192	0.35	-
20	96	70	94	68	69	63	90	36	134	0.40	-
21	98	66	94	66	67	64	90	35	73	0.36	-
22	100	70	92	67	68	63	85	36	119	0.40	-
23	98	72	92	68	71	67	90	40	203	0.38	-
24	101	72	98	70	71	67	90	40	100	0.35	-
25	100	72	95	70	71	66	90	39	124	0.35	-
26	96	65	92	66	47	33	44	39	129	0.38	-
27	94	60	88	57	39	29	34	11	87	0.45	-
28	96	62	91	58	42	29	36	11	54	0.43	-
29	99	60	90	58	39	37	34	13	68	0.45	-
30	101	60	94	59	47	37	49	12	45	0.42	-
31	103	58	94	60	49	55	51	24	37	0.37	-
Tot:										10.51	0.00
Ave:			92	62					73		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	60	95	62	58	54	70	21	28	0.35	-
2	105	64	96	63	60	59	70	24	29	0.35	-
3	108	70	95	61	67	60	77	26	73	0.40	-
4	108	72	94	66	70	64	81	32	175	0.50	-
5	103	73	95	70	71	64	78	33	143	0.53	-
6	102	75	94	68	47	55	31	22	51	0.54	-
7	105	72	95	68	62	66	58	31	36	0.35	-
8	106	72	98	72	69	65	73	30	30	0.30	-
9	108	74	97	72	69	62	73	27	67	0.45	-
10	105	72	93	69	69	61	77	28	106	0.45	-
11	105	72	93	68	70	67	81	33	140	0.50	-
12	104	74	95	71	72	67	78	34	155	0.55	-
13	104	76	95	72	68	68	66	36	145	0.58	-
14	103	76	96	73	71	70	74	36	72	0.40	-
15	108	76	96	72	74	67	83	34	182	0.56	-
16	104	78	96	73	72	53	78	24	203	0.65	-
17	98	70	94	68	67	66	73	37	86	0.47	-
18	100	76	94	65	67	68	73	38	70	0.50	-
19	102	75	96	68	73	68	78	38	121	0.46	-
20	102	74	98	71	71	66	74	37	170	0.54	-
21	100	72	93	68	64	73	68	50	118	0.53	-
22	99	65	92	61	47	70	35	44	86	0.58	-
23	99	62	94	62	49	64	43	33	54	0.46	-
24	102	64	94	64	57	67	55	33	38	0.46	-
25	105	66	96	66	62	70	71	36	55	0.48	-
26	106	68	96	67	67	65	73	30	45	0.45	-
27	108	72	97	70	72	67	82	34	81	0.50	-
28	104	75	96	72	73	71	78	39	189	0.62	-
29	104	76	94	73	72	64	82	33	173	0.55	-
30	102	64	95	63	54	58	54	29	90	0.53	-
Tot:										14.59	0.00
Ave:	104	71	95	68					100		

JAMESABAD

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	62	95	62	51	52	41	23	61	0.42	-
2	100	70	89	65	53	75	45	46	95	0.52	-
3	102	74	92	68	71	72	74	43	39	0.37	-
4	104	75	95	72	74	73	78	40	74	0.42	-
5	107	73	98	71	74	65	83	28	79	0.48	-
6	108	74	99	71	72	71	82	39	134	0.56	-
7	104	76	95	72	76	71	87	39	165	0.55	-
8	105	78	99	76	76	80	83	48	181	0.53	-
9	107	78	102	76	76	75	83	41	176	0.52	-
10	107	78	101	75	76	70	83	36	166	0.51	-
11	108	82	101	78	75	66	75	31	136	0.53	-
12	107	82	97	75	75	65	75	53	107	0.54	-
13	108	76	100	74	76	68	83	38	95	0.45	0.30
14	102	68	95	64	56	39	55	14	59	0.65	-
15	100	72	91	67	54	42	41	15	84	0.51	-
16	101	72	96	69	54	54	41	23	62	0.48	-
17	103	72	96	68	58	60	45	24	50	0.48	-
18	108	78	98	71	76	73	83	40	114	0.52	-
19	110	78	100	76	76	58	83	20	147	0.53	-
20	111	76	99	72	63	58	47	20	50	0.54	-
21	112	78	100	74	71	59	67	25	70	0.48	-
22	108	78	98	74	73	75	75	46	165	0.56	-
23	102	80	98	76	79	74	91	42	239	0.54	-
24	105	80	100	77	79	70	91	36	189	0.53	-
25	108	80	103	77	77	70	79	36	162	0.50	-
26	107	78	101	76	77	69	79	32	171	0.55	-
27	109	80	101	75	78	69	79	34	192	0.58	-
28	108	80	99	76	77	75	79	49	260	0.61	-
29	102	80	97	77	77	73	79	48	293	0.56	-
30	102	82	95	78	78	75	79	49	304	0.58	-
31	103	81	96	78	78	73	79	44	294	0.62	-
Tot:										16.22	0.30
Ave:	105	76	98	73					142		

JAMESABAD

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	82	97	78	78	59	83	27	292	0.60	-
2	104	80	96	76	77	71	83	43	240	0.61	-
3	102	81	98	76	73	78	71	49	197	0.58	-
4	104	82	99	78	78	69	83	39	199	0.56	-
5	104	82	99	77	77	73	76	39	137	0.56	-
6	107	82	103	77	74	69	68	34	131	0.54	-
7	108	82	103	79	78	75	79	40	150	0.54	-
8	110	82	101	78	78	74	83	46	215	0.56	-
9	110	82	99	78	78	74	83	48	239	0.54	-
10	102	82	98	77	77	76	79	53	266	0.55	-
11	99	82	98	78	77	75	79	49	276	0.57	-
12	102	82	100	78	76	77	75	51	245	0.55	-
13	102	82	99	78	77	73	79	48	223	0.55	-
14	101	82	98	77	77	73	79	50	230	0.55	-
15	100	82	98	78	77	75	79	53	219	0.51	-
16	99	82	98	78	77	74	79	55	238	0.50	-
17	98	84	98	79	77	76	76	53	254	0.54	-
18	99	82	99	79	77	79	76	54	237	0.54	-
19	102	82	101	78	79	78	80	59	212	0.54	-
20	102	82	101	79	79	78	83	49	229	0.53	-
21	103	84	101	79	79	79	80	48	249	0.58	-
22	104	84	101	80	77	73	76	36	259	0.45	-
23	112	83	104	79	78	77	79	47	214	0.50	-
24	105	83	101	80	78	78	79	46	219	0.52	-
25	106	82	103	79	78	74	83	44	191	0.50	-
26	103	80	99	76	77	68	83	38	245	0.54	-
27	103	80	95	77	77	73	79	48	300	0.60	-
28	100	82	99	78	78	75	83	55	269	0.54	-
29	100	82	98	78	78	77	83	54	229	0.53	-
30	101	82	100	78	76	75	75	55	215	0.52	-
Tot:										16.30	0.00
Ave:	103	82	99	78					227		

JAMESABAD

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	82	97	78	76	75	75	50	235	0.52	-
2	100	82	100	78	78	76	83	53	182	0.50	-
3	101	82	101	78	78	76	83	53	182	0.50	-
4	101	81	101	78	78	76	83	53	187	0.50	-
5	100	82	100	78	78	74	83	52	221	0.48	-
6	99	82	99	78	78	76	83	58	247	0.52	-
7	98	82	98	78	78	75	83	55	235	0.50	-
8	100	82	97	78	78	75	83	53	249	0.54	-
9	98	82	94	77	78	75	83	53	264	0.50	-
10	98	82	98	78	78	75	83	55	259	0.55	-
11	99	82	98	78	78	75	83	53	242	0.50	-
12	99	82	98	78	78	77	83	56	231	0.50	-
13	99	82	99	78	78	76	79	53	193	0.50	-
14	100	84	100	80	79	81	80	68	156	0.47	-
15	96	84	98	81	79	78	83	59	161	0.31	-
16	102	84	100	81	81	79	87	56	105	0.29	0.16
17	102	82	102	79	78	76	79	60	211	0.45	-
18	96	82	96	76	76	74	79	57	303	0.56	-
19	95	83	95	78	75	74	75	60	279	0.50	-
20	94	82	92	77	76	78	83	64	282	0.50	-
21	96	81	96	78	78	85	87	66	147	0.30	-
22	105	82	104	79	81	81	80	42	75	0.34	-
23	101	84	96	81	78	79	79	70	110	0.30	0.08
24	93	80	95	78	78	75	87	60	170	0.33	-
25	95	80	96	77	78	76	87	60	191	0.42	-
26	95	80	95	77	78	76	87	60	215	0.40	-
27	96	80	96	77	76	74	83	60	250	0.48	-
28	94	80	96	75	75	75	79	63	299	0.50	-
29	93	80	92	75	76	74	83	60	311	0.50	-
30	94	80	95	77	76	75	83	57	225	0.46	-
31	96	80	98	77	76	76	83	63	219	0.48	-
Tot:										14.20	0.24
Ave:	98	82	97	78					214		

JAMESABAD

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	80	97	76	76	77	83	63	211	0.46	-
2	95	80	96	77	76	77	83	67	211	0.40	-
3	92	80	92	77	76	77	83	67	200	0.31	-
4	94	81	94	78	78	77	87	67	153	0.32	-
5	93	79	96	76	78	80	87	70	150	0.36	-
6	94	80	94	77	75	74	83	68	211	0.40	-
7	91	80	91	76	75	77	83	67	250	0.40	-
8	94	80	94	76	74	76	83	75	206	0.35	-
9	98	80	85	76	77	79	87	70	314	0.24	-
10	95	80	95	76	76	75	87	75	223	0.38	-
11	86	78	86	76	74	77	87	76	177	0.22	-
12	90	78	90	76	74	75	87	75	187	0.26	-
13	86	78	84	75	74	77	83	76	190	0.21	-
14	90	79	90	76	75	77	83	72	161	0.24	-
15	91	78	89	76	76	79	87	70	151	0.24	-
16	93	78	96	75	74	73	83	62	149	0.30	-
17	93	78	96	75	74	74	83	68	219	0.30	-
18	90	78	90	75	74	73	83	62	252	0.40	-
19	92	78	92	75	74	73	83	62	246	0.45	-
20	92	78	92	75	74	72	83	59	249	0.40	-
21	91	78	90	75	74	72	83	62	240	0.42	-
22	91	76	91	72	72	74	82	60	232	0.45	-
23	93	76	95	72	72	77	82	61	174	0.40	-
24	97	76	97	76	76	76	95	63	140	0.38	-
25	94	76	96	74	74	76	83	60	132	0.36	-
26	95	76	97	74	74	75	83	55	157	0.38	-
27	97	76	97	75	74	77	83	58	159	0.42	-
28	98	76	98	74	74	77	83	61	174	0.42	-
29	96	76	97	74	74	78	87	67	129	0.44	-
30	95	76	97	73	74	78	83	67	252	0.48	-
31	94	76	96	74	74	77	83	67	150	0.39	-
Tot:										11.18	0.00
Ave:	93	78	93	75					195		

JAMESABAD

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	77	97	74	76	77	87	63	156	0.38	-
2	94	76	97	73	74	76	87	63	179	0.40	-
3	93	77	95	75	76	75	87	60	189	0.34	-
4	94	76	96	73	74	77	83	63	151	0.40	-
5	94	76	97	74	74	77	83	63	146	0.38	-
6	94	76	96	73	74	75	83	60	181	0.40	-
7	94	75	96	73	74	80	86	65	154	0.40	-
8	98	78	99	74	76	78	83	52	95	0.38	-
9	105	82	98	76	74	72	68	38	145	0.50	-
10	106	81	100	76	72	70	68	36	102	0.48	-
11	106	82	102	76	71	70	58	36	112	0.50	-
12	106	76	100	74	71	76	74	63	148	0.44	-
13	95	76	95	72	72	76	78	63	214	0.42	-
14	94	78	94	74	74	76	83	58	210	0.40	-
15	98	78	98	75	74	72	83	45	169	0.38	-
16	101	71	96	67	68	74	77	52	72	0.37	-
17	98	75	95	74	74	73	86	48	58	0.34	-
18	100	74	96	71	72	74	82	52	105	0.38	-
19	99	73	96	71	71	71	86	49	169	0.42	-
20	97	72	94	69	70	72	81	47	136	0.38	-
21	99	74	98	70	73	63	91	30	83	0.36	-
22	104	73	98	71	71	72	82	43	83	0.40	-
23	104	74	98	71	73	73	86	57	140	0.40	-
24	95	74	93	72	72	73	82	62	236	0.40	-
25	92	74	91	72	73	73	91	62	235	0.40	-
26	93	74	92	73	73	73	91	62	232	0.40	-
27	91	74	90	72	73	73	91	62	153	0.40	-
28	92	72	91	71	73	73	91	62	155	0.37	-
29	97	72	93	69	73	76	86	63	138	0.37	-
30	97	72	93	70	73	73	86	62	149	0.38	-
Tot:										11.97	0.00
Ave:	97	75	96	73					150		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	75	91	72	73	73	82	62	243	0.38	-
2	93	76	93	73	74	73	87	59	217	0.35	-
3	93	76	93	74	75	73	91	59	156	0.33	-
4	93	76	93	74	75	74	91	55	47	0.20	-
5	97	74	97	72	72	72	82	45	34	0.20	-
6	103	71	97	69	68	68	73	38	31	0.34	-
7	103	72	96	68	63	54	61	21	27	0.33	-
8	104	70	96	64	55	60	49	29	35	0.38	-
9	104	72	94	64	54	59	46	27	57	0.40	-
10	106	68	95	63	53	51	45	21	58	0.45	-
11	104	68	93	65	68	56	81	29	64	0.45	-
12	100	72	90	67	73	72	91	54	154	0.46	-
13	105	75	92	72	74	73	86	57	171	0.40	-
14	94	74	94	72	73	75	91	57	104	0.30	-
15	95	72	95	72	73	71	91	49	54	0.25	-
16	95	72	95	72	70	70	81	44	41	0.25	-
17	100	72	97	70	67	60	73	29	28	0.27	-
18	102	70	95	70	67	70	73	41	38	0.30	-
19	104	70	96	68	63	64	64	35	27	0.30	-
20	102	68	94	66	61	68	79	38	29	0.32	-
21			95	67	61	68	60	36	32	0.32	-
22	104	70	94	66	61	67	63	34	25	0.30	-
23	104	68	92	65	70	68	81	38	71	0.40	-
24	102	68	94	68	71	68	90	38	57	0.30	-
25	102	66	96	67	63	55	72	24	20	0.26	-
26	103	66	93	65	61	61	63	32	39	0.32	-
27	102	68	92	65	60	59	67	31	32	0.32	-
28	98	69	88	64	67	65	81	44	99	0.45	-
29	96	72	87	66	70	65	81	44	115	0.35	-
30	95	69	89	65	59	58	57	29	92	0.40	-
31	97	66	91	66	59	63	66	38	54	0.32	-
Tot:										10.40	0.00
Ave:			93	68					73		

JAMESABAD

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	68	90	66	71	70	90	47	36	0.33	-
2	98	72	95	68	73	69	91	46	105	0.32	-
3	96	69	93	69	70	61	90	35	79	0.28	-
4	97	68	93	68	68	61	85	36	44	0.25	-
5	95	68	91	66	66	62	80	37	36	0.27	-
6	98	66	92	64	60	49	70	21	29	0.28	-
7	98	64	90	62	54	54	60	26	75	0.32	-
8	98	64	90	66	54	56	60	29	49	0.33	-
9	96	64	88	60	49	52	51	28	76	0.34	-
10	95	67	86	60	52	56	53	29	75	0.40	-
11	96	66	92	62	54	64	54	40	40	0.30	-
12	96	62	90	62	59	52	79	28	35	0.27	-
13	96	63	88	63	59	54	74	32	29	0.25	-
14	92	62	86	60	53	56	69	36	44	0.26	-
15	90	61	85	61	53	61	68	39	39	0.24	-
16	93	60	88	60	53	50	68	28	15	0.25	-
17	93	60	87	57	49	49	58	26	30	0.27	-
18	93	57	85	57	49	51	61	30	53	0.30	-
19	88	57	83	57	32	31	54	14	31	0.23	-
20	90	51	82	51	43	32	34	17	97	0.36	-
21	85	52	78	49	43	37	67	23	83	0.38	-
22	82	52	76	48	41	39	61	23	80	0.34	-
23	84	52	76	48	40	34	56	19	121	0.36	-
24	84	52	76	46	35	34	49	19	131	0.38	-
25	84	50	75	46	24	31	14	18	72	0.38	-
26	84	46	76	46	33	45	47	27	43	0.37	-
27	85	45	78	47	37	73	59	75	20	0.25	-
28	85	51	76	46	41	58	61	50	34	0.20	-
29	82	54			20	34	24	19	52	0.20	-
30	84	58			35	37	36	23	66	0.26	-
Total										8.97	0.00
Ave	91	59							57		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	54			35	41	49	25	46	0.27	-
2	84	52			35	36	49	20	72	0.30	-
3	85	54			40	45	56	27	80	0.32	-
4	86	55			49	41	80	21	26	0.20	-
5					53	60	76	48	19	0.20	-
6	85	52			49	46	80	29	29	0.15	-
7	85	49			46	51	79	33	35	0.17	-
8	90	52			48	52	86	36	20	0.17	-
9	88	52			48	53	75	38	27	0.15	-
10	86	49			46	44	79	28	48	0.22	-
11	84	50			42	37	67	23	68	0.20	-
12	82	45			37	37	59	24	80	0.23	-
13	80	45			36	41	63	30	64	0.25	-
14	78	45			38	43	70	31	50	0.25	-
15	80	44			33	47	56	37	33	0.23	-
16	86	45			36	37	63	23	32	0.20	-
17	82	45			33	40	51	26	50	0.17	-
18	82	42			41	52	84	38	31	0.15	-
19	86	44			46	35	85	21	21	0.14	-
20	83	45			39	45	65	30	19	0.12	-
21	83	45			36	42	63	27	16	0.16	-
22	83	47			39	43	65	29	80	0.20	-
23	82	47			39	43	65	29	82	0.23	-
24	82	47			39	43	65	29	57	0.21	-
25	82	50			36	40	58	26	43	0.18	-
26	82	46			41	37	71	23	31	0.18	-
27	82	45			39	37	65	24	35	0.17	-
28	80	44			40	49	77	36	21	0.15	-
29	81	47			45	48	85	38	34	0.18	-
30	80	48			43	48	73	38	37	0.20	-
31	80	50			43	47	73	35	91	0.23	-
Tot:										6.18	0.00
Ave:									44		

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Location	Latitude 24°20', Longitude 68°16', on Jati-Rann Kach Road about ¾ mile from Jati.
Elevation	20 ± ft msl.
Period of record	The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 27.6.63 and taken over by Surface Water Hydrology Project in December 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 2.49 inches Evaporation (Pan) 147.58 inches Absolute maximum air temperature 112 °F Absolute minimum air temperature 36 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

JATI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	42	71	44	39	36	65	28	79	0.25	-
2	74	40	73	46	33	26	56	19	105	0.24	-
3	72	38	70	40	28	39	44	32	71	0.22	-
4	72	36	71	39	28	14	48	12	124	0.21	-
5	70	40	68	41	31	37	50	33	195	0.22	-
6	72	44	71	48	39	39	65	32	215	0.24	-
7	74	46	72	49	41	41	66	31	110	0.25	-
8	76	44	73	47	37	45	54	36	149	0.28	-
9	76	42	75	45	40	49	62	43	131	0.27	-
10	78	46	76	50	43	52	58	42	90	0.29	-
11	80	48	79	51	47	56	61	46	105	0.30	-
12	82	50	78	54	53	46	68	34		0.31	-
13	80	44	79	50	51	45	66	36	55 *	0.30	-
14	76	40	73	45	43	49	58	40	36	0.29	-
15	80	42	76	47	51	46	62	39	29	0.31	-
16	78	40	77	44	49	36	61	25	47	0.29	-
17	78	44	76	46	44	47	55	35	55	0.30	-
18	80	46	79	48	41	56	53	46	71	0.28	-
19	80	42	78	46	41	61	57	54	63	0.29	-
20	82	44	76	45	40	52	54	38	118	0.31	-
21	82	46	78	48	42	56	62	46	139	0.32	-
22	80	46	76	47	42	45	58	30	64	0.33	-
23	82	48	78	50	46	48	64	32	102	0.35	-
24	84	48	79	51	48	56	60	40	54	0.37	-
25	86	50	81	54	49	52	58	36	53	0.38	-
26	84	50	80	53	47	42	61	37	91	0.35	-
27	82	48	78	51	46	38	58	26	120	0.33	-
28	78	44	76	47	42	48	56	40	36	0.31	-
29	76	42	73	45	45	41	63	30	52	0.32	-
30	82	50	77	52	46	42	60	27	55	0.33	-
31	82	58	80	56	49	53	58	38	94	0.32 +	-
Tot:										9.16	0.00
Ave:	79	45	77	49					87		

* Two days wind movement

\+ Estimated evaporation.

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	60	82	63	49	51	61	39	131		-
2	80	54	78	57	46	49	60	40	68		-
3	76	46	73	47	41	55	57	43	75		-
4	78	42	75	45	33	46	51	34	56		-
5	78	38	73	41	33	42	56	34	98		-
6	76	40	74	43	37	49	59	40	68		-
7	80	42	76	45	33	56	51	46	91		-
8	82	44	78	47	36	45	54	32	150		-
9	82	42	76	43	37	53	50	38	141		-
10	84	46	80	48	51	57	66	42	43		-
11	84	50	83	54	53	60	68	46	67		-
12	84	56	81	58	55	58	69	45	72		-
13	86	58	83	59	58	54	70	43	134		-
14	82	54	80	57	46	48	60	38	98		-
15	80	52	78	53	41	45	53	36	89		-
16	76	48	75	51	43	49	63	40	96		-
17	78	52	77	55	48	54	58	46	57		-
18	80	50	81	51	43	51	63	39	59		-
19	80	48	82	50	48	48	65	33	70		-
20	84	46	81	51	46	59	64	46	88		-
21	88	52	85	53	45		63		43		-
22											-
23	88	58	87	61	50	68	62	55	172+		-
24	88	60	89	61	58	63	70	43	112	0.40	-
25	86	62	88	67	57	68	74	63	110	0.41	-
26	88	64	86	66	59	69	74	55	97	0.42	-
27	88	60	89	64	60	63	67	47	90	0.44	-
28	88	62	90	68	56	72	61	62	72	0.42	-
Tot:											0.00
Ave:											

+ Two days wind movement.

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	68	88	70	53	65	56	53	78	0.40	-
2	88	64	87	67	52	69	63	58	63	0.42	-
3	94	60	91	64	57	70	69	51	36	0.45	-
4	96	58	94	60	61	73	75	52	62	0.44	-
5	98	56	95	58	61	70	71	44	35	0.45	-
6	96	60	91	61	64	63	72	41	61	0.44	-
7	92	62	93	64	64	69	76	48	73	0.40	-
8	94	64	91	67	65	55	72	28	107	0.41	-
9	98	62	95	63	59	67	66	40	82	0.45	-
10	100	60	96	63	64	72	72	43	64	0.46	-
11	100	64	97	62	68	74	77	48	58	0.48	-
12	102	66	98	67	61	78	67	49	74	0.50	-
13	104	64	99	66	58	80	66	57	112	0.48	-
14	102	68	98	70	64	75	76	53	109	0.45	-
15	100	64	96	68	65	74	72	52	138	0.42	-
16	98	62	95	66	60	71	67	51	72	0.44	-
17	100	66	97	70	64	73	65	50	121	0.41	-
18	96	64	93	65	64	68	72	52	139	0.40	-
19	90	68	91	64	63	62	72	41	146	0.38	-
20	92	66	94	69	68	70	77	51	65	0.39	-
21	94	64	95	66	66	75	77	57	124	0.40	-
22	96	66	96	68	67	71	77	54	134	0.42	-
23	92	68	93	65	68	72	77	54	160	0.40	-
24	94	70	95	67	71	74	78	55	146	0.38	-
25	96	68	97	70	67	58	77	39	120	0.41	-
26	90	66	91	69	64	68	72	52	131	0.37	-
27	94	62	93	65	67	62	69	37	89	0.44	-
28	96	60	95	63	66	70	69	44	56	0.48	-
29	98	58	96	60	66	72	77	45	67	0.47	-
30	102	60	97	62	63	68	64	36	52	0.45	-
31	102	58	95	61	65	63	65	33	105	0.50	-
Tot:										13.39	0.00
Ave:	96	63	94	65					93		

JATI

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	60	95	64	63	70	68	41	60	0.48	-
2	104	64	98	68	66	71	69	39	68	0.50	-
3	102	66	96	67	69	66	73	34	117	0.51	-
4	102	68	95	65	67	64	73	36	123	0.52	-
5	98	72	94	71	61	66	78	37	132	0.48	-
6	100	74	97	72	72	68	74	36	69	0.49	-
7	104	72	99	71	70	71	74	39	82	0.53	-
8	104	70	100	71	71	77	67	47	91	0.52	-
9	104	74	102	72	74	70	78	41	53	0.53	-
10	100	70	98	71	69	66	70	37	129	0.50	-
11	102	74	97	72	75	67	79	34	129	0.54	-
12	102	72	99	71	69	64	70	33	138	0.55	-
13	102	74	98	73	73	66	71	34	134	0.51	-
14	102	76	96	74	67	58	66	26	89	0.50	-
15	102	74	97	71	72	69	74	42	122	0.51	-
16	100	74	95	73	68	61	66	33	166	0.50	-
17	98	78	96	75	73	69	71	42	113	0.48	-
18	98	76	95	74	72	66	74	39	113	0.49	-
19	100	78	99	77	74	72	71	45	118	0.47	-
20	98	74	97	71	72	68	71	45	144	0.50	-
21	96	70	93	68	68	62	66	34	120	0.48	-
22	100	64	95	61	65	64	65	33	68	0.51	-
23	100	64	96	63	68	68	73	36	77	0.50	-
24	104	70	98	68	71	78	74	49	90	0.55	-
25	104	72	99	67	68	72	73	43	100	0.53	-
26	102	68	98	66	73	67	78	38	114	0.56	-
27	104	70	101	69	74	73	78	48	91	0.53	-
28	98	74	97	72	75	70	79	44	171	0.50	-
29	98	76	96	74	69	74	70	48	165	0.48	-
30	102	72	101	71	74	82	75	58	184	0.51	-
Tot:										15.26	0.00
Ave:	101	71	97	70					112		

JATI

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	76	98	73	75	70	72	36	96	0.55	-
2	106	72	100	70	73	76	75	45	189	0.58	-
3	104	74	99	72	74	56	71	23	112	0.56	-
4	106	76	102	75	76	60	75	26	103	0.58	-
5	104	72	100	73	73	66	71	31	47	0.55	-
6	104	70	101	72	71	53	70	22	48	0.58	-
7	102	76	97	73	75	59	79	28	126	0.56	-
8	100	78	96	75	76	55	75	33	188	0.53	-
9	102	78	99	74	74	61	75	30	211	0.55	-
10	100	76	98	75	77	66	79	34	151	0.54	-
11	102	78	98	77	77	72	76	40	144	0.56	-
12	104	80	97	75	76	74	75	44	130	0.58	-
13	102	76	98	73	77	79	76	50	156	0.55	-
14	104	70	99	71	78	81	73	55	94	0.57	-
15	102	66	100	68	76	78	75	52	90	0.58	-
16	104	70	101	71	74	81	75	51	75	0.60	-
17	106	72	100	69	73	84	75	54	94	0.61	-
18	106	76	99	74	74	82	68	55	144	0.60	-
19	104	78	100	80	78	80	69	48	157	0.58	-
20	112	80	105	81	80	77	76	42	75	0.63	-
21	108	78	104	79	79	77	80	47	260	0.58	-
22	104	76	100	77	81	82	77	58	40	0.57	-
23	102	78	98	79	74	78	68	52	90	0.56	-
24	102	76	96	77	78	72	73	45	197	0.55	-
25	104	80	93	77	77	79	72	52	238	0.58	-
26	104	82	96	79	77	68	79	38	200	0.55	-
27	102	80	97	77	79	64	80	36	193	0.56	-
28	98	82	94	74	77	61	79	33	297	0.54	-
29	96	82			77	56	72	29	180	0.55	-
30	94	84			75	61	72	35	210	0.53	-
31	98	80			78	67	73	40	235	0.57	-
Tot:										17.58	0.00
Ave:	103	74							1.47		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	82			75	71	72	43	185	0.58	-
2					78	78	73	52	240	0.59	-
3	100	82			75	68	69	42	200	0.56	-
4	100	80			75	67	72	41	155	0.54	-
5	98	78			78	76	73	53	119	0.56	-
6	100	80			76	68	72	38	123	0.58	-
7	102	82			78	73	73	50	86	0.59	-
8	102	80			76	69	72	44	127	0.57	-
9	98	78			72	60	68	34	321	0.52	-
10	96	82			77	69	72	36	195	0.50	-
11	96	80			76	61	75	33	201	0.48	-
12	96	82			78	65	73	41	197	0.50	-
13	94	80			76	73	72	50	167	0.51	-
14	96	82			81	68	80	45	174	0.53	-
15	94	82			82	70	80	51	195	0.48	-
16	92	80			81	73	80	57	198	0.46	-
17	92	82			76	69	75	48	216	0.48	-
18	94	80			79	73	76	52	206	0.50	-
19	98	84	94	79	74	75	68	53	204	0.52	-
20	96	82	93	81	78	70	79	47	149	0.51	-
21	96	80	95	78	81	76	80	58	213	0.52	-
22	98	82	97	80	83	68	81	45	224	0.54	-
23	102	84	100	83	80	77	76	51	167	0.55	-
24	102	82	101	85	79	73	80	48	204	0.53	-
25	100	84	97	82	80	70	74	41	119	0.51	-
26	98	80	95	84	78	67	73	43	181	0.50	-
27	96	80	94	78	82	67	88	45	196	0.49	-
28	94	78	97	81	79	69	76	50	205	0.48	-
29	98	84	100	85	81	70	80	44	144	0.52	-
30	96	80	98	83	79	69	47	50	164	0.50	-
Tot:										15.70	0.00
Ave:									183		

JATI

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	82	95	79	83	72	84	54	251	0.47	-
2	94	84	96	80	79	74	83	55	130	0.48	-
3	94	82	98	78	80	69	80	48	209	0.50	-
4	94	80	99	79	75	69	75	46	85	0.48	-
5	96	82	98	81	76	63	75	41	161	0.47	-
6	92	78	96	76	81	67	84	45	181	0.48	-
7	94	80	95	81	83	69	84	46	156	0.50	-
8	94	82	99	78	79	72	80	54	162	0.51	-
9	92	84	97	84	81	69	84	50	175	0.49	-
10	96	80	98	79	79	62	83	41	162	0.50	-
11	92	82	97	78	83	69	84	48	146	0.48	-
12	94	84	95	83	79	74	80	55	132	0.50	-
13	94	82	99	79	79	71	83	51	144	0.51	-
14	96	80	98	81	83	75	84	53	176	0.54	-
15	98	78	101	80	81	69	77	50	150	0.55	-
16	94	82	98	80	79	67	80	45	65	0.60	0.95
17	92	80	96	78	77	65	79	45	159	0.47	-
18	90	78	93	76	74	63	75	46	250	0.45	-
19	88	74	92	79	74	69	78	47	207	0.44	-
20	88	76	92	78	75	62	79	55	284	0.45	-
21	84	72	93	78	73	58	78	50	116	0.32	0.57
22	90	76	95	74	75	65	83	56	58	0.35	-
23	88	74	92	76	78	69	79	55	55	0.64	0.97
24	88	76	93	78	77	61	83	49	197	0.37	-
25	88	78	95	77	79	63	83	46	139	0.41	-
26	88	76	94	79	75	67	79	54	192	0.44	-
27	90	78	95	77	79	67	87	52	138	0.45	-
28	90	76	96	80	81	63	87	47	214	0.48	-
29	88	78	91	79	79	69	87	55	262	0.46	-
30	88	76	94	78	81	68	87	55	261	0.48	-
31	90	78	95	77	83	62	88	50	204	0.49	-
Tot:										14.76	2.49
Ave:	91	79	96	79					163		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	76	91	78	79	67	83	60	39	0.47	-
2	86	76	90	75	78	71	83	67	213	0.46	-
3	86	78	90	77	78	70	87	61	156	0.44	-
4	86	76	91	78	75	69	83	64	132	0.40	-
5	88	76	90	79	78	72	83	62	148	0.41	-
6	88	78	91	77	77	71	83	67	155	0.43	-
7	86	76	89	73	81	65	87	59	206	0.41	-
8	86	78	88	76	78	71	83	67	185	0.40	-
9	86	76	89	77	81	64	87	59	218	0.38	-
10	88	78	92	79	75	71	83	64	217	0.40	-
11	86	76	90	75	78	67	87	54	80	0.38	-
12	86	78	88	74	76	65	87	56	260	0.36	-
13	84	76	90	77	80	64	91	59	88	0.35	-
14	84	74	91	76	78	66	83	56	102	0.34	-
15	86	76	90	78	78	70	87	61	176	0.35	-
16	88	74	93	77	77	65	87	53	144	0.38	-
17	86	76	91	78	79	65	87	59	191	0.36	-
18	84	74	90	76	78	69	87	67	65	0.35	-
19	88	76	94	77	79	67	83	60	245	0.37	-
20	88	76	95	77	76	71	87	54	177	0.38	-
21	86	76	93	78	78	67	91	64	175	0.36	-
22	86	74	92	76	79	67	87	60	162	0.35	-
23	84	74	91	77	77	66	87	63	130	0.33	-
24	86	76	94	74	76	64	91	55	143	0.32	-
25	86	74	92	77	74	65	83	51	83	0.30	-
26	88	76	95	79	76	69	83	55	120	0.34	-
27	88	78	96	80	75	68	83	58	120	0.36	-
28	88	76	94	82	79	71	87	58	66	0.35	-
29	90	78	96	85	78	67	87	57	114	0.38	-
30	86	74	93	82	76	70	87	61	121	0.34	-
31	86	78	91	81	74	67	87	57	58	0.32	-
Tot:										11.57	0.00
Ave:	87	76	92	78					145		

JATI

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	76	92	83	76	65	83	56	91	0.34	-
2	88	78	94	85	80	69	87	55	189	0.35	-
3	90	78	96	86	79	68	87	58	240	0.37	-
4	88	76	95	87	76	66	83	51	181	0.36	-
5	90	74	94	83	80	69	87	55	169	0.38	-
6	90	76	95	86	81	63	87	50	122	0.36	-
7	90	78	96	87	79	69	87	55	70	0.37	-
8	92	76	98	86	80	71	87	56	128	0.38	-
9	94	78	100	87	82	75	88	57	145	0.41	-
10	98	76	101	88	76	67	83	47	115	0.42	-
11	94	78	98	87	80	75	87	63	124	0.40	-
12	92	74	96	85	76	72	83	59	156	0.38	-
13	90	76	95	87	78	69	83	58	162	0.36	-
14	88	74	93	85	77	72	83	62	108	0.37	-
15	90	76	92	84	79	68	83	50	241	0.39	-
16	92	74	94	83	78	66	83	51	93	0.40	-
17	90	72	95	82	75	69	83	55	78	0.42	-
18	88	74	94	85	78	65	83	51	105	0.40	-
19	92	76	96	87	78	71	87	56	114	0.45	-
20	90	74	95	84	77	68	87	52	139	0.43	-
21	90	72	94	82	79	67	87	52	205	0.42	-
22	92	76	97	87	79	72	83	54	142	0.45	-
23	94	76	98	86	78	71	83	54	93	0.46	-
24	92	74	95	84	78	64	87	44	81	0.43	-
25	90	72	93	82	79	61	87	42	169	0.41	-
26	90	74	95	86	81	63	87	43	185	0.40	-
27	90	76	94	82	79	66	87	51	125	0.41	-
28	88	76	91	80	76	61	83	42	148	0.39	-
29	90	72	93	81	78	64	83	44	144	0.40	-
30	90	74	92	77	76	61	83	44	136	0.41	-
Tot:										11.92	0.00
Ave:	91	75	95	84					140		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	72	91	74	73	59	82	44	182	0.37	-
2	88	76	90	71	76	59	87	40	215	0.36	-
3	88	74	92	72	76	62	87	45	134	0.33	-
4	90	72	94	74	77	68	83	50	63	0.34	-
5	94	70	97	77	79	71	83	51	57	0.36	-
6	96	74	99	76	79	75	87	55	52	0.38	-
7	98	72	100	77	81	78	76	59	54	0.40	-
8	100	74	101	79	78	72	83	49	87	0.43	-
9	98	72	99	74	79	71	83	51	92	0.40	-
10	96	70	97	71	74	65	83	41	78	0.39	-
11	96	72	95	70	72	59	82	34	103	0.38	-
12	94	74	93	72	71	55	82	28	105	0.34	-
13	96	76	95	73	72	68	82	42	75	0.33	-
14	96	74	94	71	70	75	81	57	45	0.35	-
15	94	72	95	70	69	74	81	57	50	0.37	-
16	94	74	93	72	71	69	82	50	59	0.36	-
17	92	74	94	73	74	75	86	60	43	0.33	-
18	94	72			71	76	82	58	83	0.34	-
19	96	72	93	70	68	80	77	62	90	0.35	-
20	100	68	97	67	70	82	86	62	86	0.36	-
21	100	70	98	69	73	80	86	62	31	0.34	-
22	98	72	96	70	76	76	83	60	56	0.36	-
23	96	70	93	70	78	73	83	57	96	0.35	-
24	92	68	92	67	78	80	87	70	79	0.36	-
25	94	70	93	68	74	76	83	60	32	0.32	-
26	94	72	91	70	77	71	87	54	45	0.35	-
27	92	68	90	67	79	83	87	77	50	0.33	-
28	94	70	92	69	76	77	83	67	55	0.35	-
29	92	70	91	67	78	68	83	52	56	0.32	-
30	92	72	90	70	75	69	83	50	109	0.33	-
31	94	68	68	66	73	61	78	40	49	0.32	-
Tot:										11.00	0.00
Ave:	94	72							78		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	72	91	70	71	69	82	58	80	0.33	-
2	90	70	89	68	72	72	82	65	92	0.30	-
3	88	66	91	69	76	74	87	65	73	0.31	-
4	90	68	94	70	70	68	81	52	49	0.30	-
5	90	66	91	67	71	70	82	53	53	0.28	-
6	92	64	94	66	69	72	81	54	36	0.30	-
7	92	66	91	65	69	67	77	49	69	0.31	-
8	90	64	89	63	71	61	86	42	64	0.30	-
9	92	62	91	61	74	69	86	50	73	0.32	-
10	92	64	88	62	68	68	81	50	106	0.29	-
11	94	64	90	61	65	75	76	60	59	0.30	-
12	92	62	90	63	68	67	77	52	39	0.28	-
13	88	66	90	65	67	71	77	61	78	0.27	-
14	94	68	93	67	71	73	82	59	40	0.30	-
15	92	64	91	65	68	77	81	67	33	0.28	-
16	92	66	94	65	70	69	81	55	38	0.29	-
17	90	60	91	62	64	66	72	51	56	0.27	-
18	88	62	86	59	67	59	77	44	34	0.26	-
19	88	60	85	58	68	52	77	36	40	0.25	-
20	86	64	84	60	66	61	77	51	59	0.24	-
21	82	58	78	54	63	57	75	49	106	0.23	-
22	80	52	75	50	65	54	76	48	124	0.22	-
23	82	54	76	51	63	50	75	39	150	0.24	-
24	80	50	74	48	62	53	75	45	120	0.23	-
25	82	52	78	51	63	64	75	61	143	0.25	-
26	84	50	82	48	60	57	70	53	67	0.27	-
27	82	52	81	50	59	61	74	54	32	0.26	-
28	84	54	82	51	57	59	74	53	38	0.28	-
29	82	52	80	50	57	58	78	56	110	0.27	-
30	80	48	77	45	56	51	78	47	92	0.25	-
Tot:										8.28	0.00
Ave:	88	61	86	59					72		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	52	72	51	51	56	71	52	62	0.23	-
2	78	50	74	49	55	63	77	61	66	0.25	-
3	80	54	77	51	55	59	73	51	87	0.27	-
4	84	60	82	56	57	56	74	52	128	0.28	-
5	84	58	81	55	56	61	73	51	30	0.27	-
6	86	56	83	54	59	41	74	24	30	0.30	-
7	84	58	80	55	58	61	78	54	50	0.28	-
8	82	54	81	52	60	56	79	44	30	0.27	-
9	86	56	84	54	62	65	75	56	55	0.30	-
10	84	54	82	51	59	61	74	51	91	0.28	-
11	84	52	83	50	57	60	78	54	84	0.26	-
12	86	54	85	52	58	62	78	50	70	0.27	-
13	88	56	86	53	54	58	73	48	120	0.28	-
14	84	52	80	49	57	54	71	46	115	0.25	-
15	80	48	76	47	45	62	63	64	40	0.23	-
16	82	44	80	45	47	64	65	59	65	0.22	-
17	86	48	83	47	52	63	71	56	72	0.24	-
18	84	46	81	48	45	60	59	54	63	0.25	-
19	82	44	80	45	45	57	63	49	51	0.23	-
20	82	42	81	41	45	54	68	48	38	0.22	-
21	80	44	78	46	48	54	70	46	61	0.21	-
22	82	50	77	49	53	60	72	54	83	0.24	-
23	82	48	76	47	46	52	60	44	197	0.28	-
24	80	46	74	45	43	63	58	61	110	0.27	-
25	82	48	76	49	43	68	63	66	94	0.30	-
26	86	50	81	48	50	60	76	54	72	0.31	-
27	82	46	79	48	52	57	71	53	54	0.28	-
28	80	50	78	51	49	60	70	54	45	0.27	-
29	80	46	76	48	47	53	69	45	44	0.26	-
30	82	50	77	51	51	60	71	60	93	0.30	-
31	78	52	74	51	47	61	69	57	126	0.28	-
Tot:										8.18	0.00
Ave:	82	51	79	50					75		

Location	Latitude 30°26', Longitude 67°18', near P.W.D. rest house at Kach.
Elevation	
Period of record	Observatory established by Surface Water Hydrology Project in December 1969.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours a and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											-
4					39	37	78	56		0.10*	0.05
5					35	36	83	76		0.13	-
6					29	31	73	37		0.12	-
7					25	15	52	35		0.12	-
8					14	25	29	34		0.24	-
9	76	31			29	26	73	37		0.10	-
10	55	37			17	22	41	45		0.16	-
11	50	34			22	-16	61	7		0.20	-
12	50	29				-5		11		0.12	-
13	50	29			15	7	56	19		0.15	-
14	56	26			-28		4			0.16	-
15	58	26			9	3	42	13		0.24	-
16	56	27			-7		11			0.25	-
17	66	32			18	-14	52	5		0.24	-
18	62	34			27	8	54	16		0.20	-
19	56	28			23	3	42	15		0.23	-
20	56	28			23	27	42	65		0.20	-
21	51	28			15	10	49	17		0.16	-
22	67	29			10	-1	21	13		0.10	-
23	64	29			24	13	78	25		0.17	-
24	68	27			13	25		31		0.16	0.16
25	60	29			14	29	29	80		0.17	-
26	58	30			14	30	43	90		0.20	-
27	56	30			14	26	39	37		0.15	-
28	58	37			9	14	27	29		0.20	-
29	49	35			33	26	90	53		0.23	0.11
30	50	36			27	31	58	61		0.03	0.06
31	46	30			29	34	89	58		0.05	-
Tot:											
Ave:											

* Estimated evaporation.

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Location	Latitude 35°32', Longitude 72°35', situated near Kalam Dispensary.
Elevation	7,500 ± ft msl.
Period of record	Rainfall data since Oct 1962, Observatory established in June 1963 by Surface Water Hydrology Project WAPDA.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Precipitation 39.87 inches Evaporation (Pan) Data incomplete Absolute maximum air temperature 90 °F Absolute minimum air temperature 10 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

KALAM

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	54	20			15	23	72	53			0.04
2	55	16			13	20	83	51			-
3	46	18			16	27	85	65			-
4	46	16			13	22	83	61			-
5	46	12			14	26		79			-
6	40	19			13	25	70	71			-
7					27	27	80	80			0.10
8	38	16			2	25	42	71			0.03
9	40	18			27	25	89	71			0.22
10	42	12			14	21		54			0.04
11	48	12			14	25		71			-
12	42	14			30	30	89	70			0.08
13	34	18			16	22	85	61			0.22
14	40	10			14	22		61			-
15	48	12			14	27	55	65			-
16	46	12			14	25		63			-
17	52	20			12	20	54	48			-
18					27	26	89	79			-
19	30	16			13	26	83	89			0.08
20	50	12			14	27		72			-
21	54	16			24	25	88	71			0.28
22					25	36	70	76			0.22
23	54	24			21	29	87	60			-
24	48	18			27	30	79	90			0.05
25	46	32			29	25	80	71			0.10
26	38	32			30	30	89	90			0.90
27	38	22			20	27.	87	72			0.80
28	50	15			12	11	83	9			-
29					16	23	85	72			-
30	44	18			16	23	85	55			-
31	50	18			13	29	70	89			-
Tot:											3.16
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	38	30			18	27	52	89			0.92
2	38	12			14	25	100	63			0.38
3	50	10			14	25	100	71			-
4	48	10			14	17	100	45			-
5	46	10			14	21	100	54			-
6	52	11			14	23	100	55			-
7	52	12			14	23	100	55			-
8	54	14			14	25	100	57			-
9					17	27	85	54			-
10					26	28	89	59			-
11					26	26	79	53			-
12	52	31			29	33	89	90			0.03
13	40	32			30	30	90	90			0.80
14	38	32			30	30	90	90			1.30
15	40	32			30	35	90	69			0.06
16	52	30			28	30	89	80			0.04
17	46	30			28	29	89	89			0.23
18	44	28			26	29	89	80			0.16
19	44	20			18	27	86	65			0.02
20	50	16			13	32	83	68			-
21					23	29	88	66			-
22	58	18			16	41	85	79			-
23					33	29	90	66			0.18
24	42	34			29	32	80	81			0.34
25	40	30			25	41	79	79			0.42
26					29	32	80	68			-
27	44	32			29	30	89	90			1.38
28	50	19			17	32	85	68			0.65
Tot:											6.91
Ave:											

KALAM

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					14	41	48	79			-
2	54	29			25	30	79	56			-
3					33	35	90	69			0.53
4	48	28			24	43	78	74			0.01
5	62	28			24	43	78	74			-
6					31	41	74	67			0.14
7	62	32			27	44	80	74			0.03
8	64	30			25	44	79	69			-
9					25	47	71	70			-
10	66	32			23	49	62	71			-
11	68	34			29	44	66	80			-
12	66	34			28	50	73	71			-
13	70	34			23	45	62	69			-
14					22	45	49	69			-
15	68	34			24	42	56	68			-
16	66	34			27	42	72	59			-
17					33	33	75	63			0.25
18	46	32			30	35	90	91			1.20
19	46	33			33	33	90	90			1.47
20	44	29			21	43	60	79			0.65
21	58	32			24	28	70	42			-
22	59	32			24	33	70	90			-
23	66	32			25	37	52	71			0.50
24	58	38			27	45	49	75			-
25	60	40			36	35	83	83			1.22
26	48	32			31	36	81	76			1.77
27	54	30			27	36	80	64			-
28	58	33			35	39	83	67			-
29	64	36			31	44	74	64			-
30	68	38			38	44	77	69			-
31	62	40			35	44	76	64			0.51
Tot:											8.28
Ave:											

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	36			33	39	75	67		0.07	-
2	68	34			29	25	66	23		0.08	-
3					38	11	77	13		0.14	-
4	71	38			27	23	54	21		0.18	-
5	71	43			31	25	48	22		0.26	-
6	66	42			29	36	43	34		0.28	-
7	74	42			31	36	52	34		0.27	-
8	74	42			33	40	49	41		0.20	-
9	72	46			42	43	73	79		0.22	-
10	58	45			42	42	79	73		0.08	0.60
11	60	42			38	32	77	57		0.03	0.45
12	52	42			39	43	78	79		0.12	1.30
13	56	42			31	46	48	57		0.10	-
14	68	44			37	39	56	62		0.20	-
15	60	40			37	39	77	67		0.18	1.37
16	62	44			37	37	71	84		0.04	0.08
17	56	36			33	37	75	56		0.09	0.45
18	58	36			29	33	55	49		0.11	-
19	58	42			37	37	77	84		0.15	0.05
20	52	36			30	38	74	91		0.15	1.36
21	42	34			30	33	80	69		0.07	0.60
22					27	19	58	23		0.13	-
23	60	36			14	28	29	42		0.20	-
24	57	35				31		47		0.21	-
25	56	38			33	37	75	56		0.16*	-
26					37	37	77	84		0.11	0.60
27	52	42			39	16	78	27		0.15	0.38
28	50	37			35	28	76	45		0.12	0.79
29	58	39			25	34	48	54		0.20	-
30	50	38			29	29	60	47		0.09	-
Tot:										4.39	8.03
Ave:											

* Estimated evaporation.

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	52	34			23	29	42	30		0.10	-
2	62	38			33	31	69	33		0.24	-
3	66	41			29	27	47	30		0.27	-
4	64	44			39	37	62	37		0.20	-
5	70	44			31	41	41	33		0.28	-
6	77	44			31	36	37	30		0.31	-
7	76	48			37	38	42	33		0.33	-
8	76	48			44	40	64	41		0.27	0.30
9	74	49			46	49	80	71		0.24	0.36
10	60	49			45	45	75	57		0.04	0.18
11	66	45			37	39	56	40		0.09	0.25
12	72	49			43	42	64	73		0.20	0.08
13	66	46			42	42	79	79		0.16 *	0.40
14	56	42			38	39	71	78		0.11	0.27
15	58	38			36	37	70	48		0.08	0.05
16	65	45			37	32	56	32		0.10	-
17	71	44			41	34	58	40		0.20	-
18	71	44			38	45	71	80		0.24	0.58
19	56	41			39	38	62	43		0.11	0.08
20	70	43			37	43	52	43		0.19	-
21	72	52			43	45	55	57		0.20	-
22	74	50			44	37	64	56		0.16	0.18
23	68	42			35	33	51	30		0.19	0.35
24	74	44			35	41	44	33		0.20	-
25	76	48			39	32	50	21		0.23	-
26	80	48			42	35	55	26		0.25	-
27	80	49			38	44	43	35		0.25	-
28	82	52			41	40	42	25		0.26	-
29	85	50			46	41	54	28		0.31	-
30	83	53			44	34	49	24		0.37	-
31	84	52			45	51	53	64		0.35	0.04
Tot:										6.53	3.12
Ave:	71	46									

Estimated evaporation.

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	50			46	40	57	30		0.25	-
2	81	52			49	59	71	75		0.35	0.05
3	75	52			45	53	53	61		0.10	0.62
4	70	48			49	31	76	31		0.25	0.08
5	69	48			44	35	64	26		0.15	0.08
6	78	52			49	46	71	45		0.25	-
7	78	48			43	41	52	29		0.26	-
8	80	51			41	44	45	31		0.30	-
9	83	53			42	47	52	33		0.33	-
10	82	50			44	50	47	34		0.34	-
11	84	52			45	53	47	39		0.33	-
12	85	52			44	55	44	45		0.34	-
13	84	54			46	27	51	16		0.35	-
14	82	50			43	55	46	40		0.32	-
15	84	52			44	55	36	45		0.33	-
16	84	54			49	55	63	45		0.34	-
17	84	52			39	43	36	27		0.33	-
18	87	56			48	33	52	20		0.36	-
19	82	56			49	53	55	44		0.21	0.08
20	84	54			47	44	48	29		0.30	-
21	84	55			47	50	55	45		0.35	-
22	78	52			47	60	48	58		0.34	-
23	79	52			41	60	45	64		0.35	-
24	77	52			48	59	52	64		0.36	-
25	82	52			46	48	54	35		0.34	0.08
26	84	53			43	40	43	22		0.32	-
27	88	53			43	42	43	31		0.37	-
28	85	51			41	41	42	35		0.42	-
29	76	49			46	43	51	43		0.38	-
30	76	48			44	48	49	41		0.23	-
Tot:										9.25	0.99
Ave:	81	52									

KALAM

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	53			51	52	60	51		0.38	-
2	76	54			53	53	65	39		0.30	0.05
3	82	54			48	50	49	34		0.41	-
4	84	59			53	53	58	41		0.40	-
5	82	57			50	53	53	39		0.32	-
6	84	55			44	54	44	38		0.40	-
7	88	58			48	55	47	37		0.42	-
8	90	60			52	49	51	32		0.47	-
9	88	59			50	53	47	48		0.38	0.03
10	85	58			53	52	65	73		0.32	0.02
11	78	52			49	48	67	47		0.15	0.05
12	80	53			46	49	54	44		0.31	-
13	82	58			54	49	62	35		0.42	-
14	82	54			48	55	52	78		0.34	-
15	70	53			51	53	68	46		0.43	0.25
16	78	56			59	51	89	36		0.36	-
17	84	57			48	51	49	33		0.37	-
18	86	60			57	58	63	45		0.40	-
19	86	65			60	59	64	45		0.44	-
20	88	66			61	62	61	53		0.46	-
21	86	65			60	62	61	55		0.44	-
22	85	67			65	62	81	55		0.41	-
23	84	66			61	61	66	58		0.43	-
24	82	64			60	59	71	64		0.43	-
25	79	64			58	58	71	60		0.40	-
26	78	62			58	57	79	62		0.35	-
27	76	62			58	48	71	47		0.35	-
28	76	54			48	52	63	64		0.27	0.13
29	68	54			49	44	67	39		0.18	0.10
30	78	50			47	44	62	44		0.30	-
31	72	50			43	46	55	43		0.15	-
Tot:										11.19	0.63
Ave:	81	58									

KALAM

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	54			55	53	94	41		0.32	-
2	84	57			49	51	53	36		0.38	-
3	84	61			52	61	51	53		0.40	-
4	82	66			63	61	72	55		0.39	-
5	83	65			61	61	68	53		0.36	-
6	84	64			59	65	64	60		0.35	-
7	83	66			62	63	68	65		0.38	-
8	78	67			64	63	81	62		0.36	-
9	81	67			63	61	76	53		0.38	-
10	83	67			65	63	85	62		0.40	-
11	81	66			63	64	76	65		0.32	-
12	82	62			62	63	80	76		0.37	-
13	81	63			61	61	68	65		0.32	-
14	78	63			60	61	75	84		0.35	-
15	72	58			58	59	83	67		0.12	0.22
16	74	58			57	61	79	68		0.23	-
17	76	61			59	61	79	68		0.27	-
18	78	60			57	60	70	64		0.28	0.04
19	76	58			54	56	71	70		0.24	0.28
20	72	54			53	49	78	50		0.19	0.27
21	74	53			51	53	72	78		0.22	-
22	72	52			49	52	71	73		0.17	0.03
23	72	50			49	49	76	55		0.14	0.17
24	75	49			45	56	57	57		0.24	0.10
25	75	52			51	49	72	55		0.24	-
26					49	58	76	79		0.24	-
27	73	50			45	50	69	47		0.17	0.05
28	78	49			45	51	53	40		0.14	0.02
29	80	50			48	53	63	44		0.27	-
30	80	53			49	58	63	83		0.30	-
31	80	52			50		67			0.29	0.06
Tots										8.83	1.24
Ave:											

KALAM

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	77	48			47	53	70	52		0.25	-
2	76	53			51	50	87	53		0.17	0.07
3	72	48			47	48	70	49		0.13	-
4	77	47			45	53	65	48		0.19	-
5	78	49			47	53	70	52		0.26	-
6	78	52			47	54	60	65		0.30	-
7	74	53			51	51	82	77		0.13	-
8	68	52			49	52	76	77		0.15	0.03
9	72	45			41	52	67	77		0.17	-
10	72	50			49	51	76	72		0.24	-
11	76	52			48	27	63	20		0.20	-
12	75	50			45	49	53	55		0.25	-
13	76	53			51	51	77	64		0.22	-
14	77	52			51	53	87	78		0.15	0.45
15	66	44			42	48	79	66		0.12	0.80
16	62	44			42	49	68	63		0.11	0.23
17	72	45			37	47	56	48		0.23	-
18	78	43			41	45	63	39		0.28	-
19	78	45			45	48	75	49		0.29	-
20	74	46			43	47	68	70		0.25	-
21	69	43			41	45	73	47		0.22	-
22	72	45			38	49	61	50			-
23	74	46			43	49	68	63			-
24	70	44			45	51	69	60			-
25	72	46			44	51	80	64			0.13
26	71	48			44	45	69	50		0.23	-
27	72	45			39	47	62	48		0.25	-
28	72	45			42	52	63	57		0.20	-
29	76	48			45	58	63	71		0.26	-
30	75	45			42	50	63	56		0.25	-
Tot:											1.71
Ave:	73	48									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	46			44	50	74	67		0.25	0.13
2	68	42			39	48	67	63		0.17	-
3	68	45			44	47	74	65		0.21	-
4	68	40			42	51	85	22		0.15	0.17
5	68	43			42	53	73	83		0.19	-
6	68	42			39	52	72	87		0.15	0.05
7	68	45			44	48	74	63		0.18	-
8	70	44			45	49	69	59		0.22	-
9	72	48			46	44	75	49		0.23	-
10	71	44			37	45	55	47		0.20	-
11	70	44			38	48	61	49		0.19	0.10
12	70	42			39	48	72	63		0.18	-
13	72	41			38	44	71	69		0.21	-
14	70	42			41	43	85	64		0.20	0.12
15	66	42			41	43	85	85		0.13	0.23
16	55	42			40	44	84	69		0.07	0.16
17	62	38			36	43	76	60		0.15	-
18	66	41			40	41	84	63		0.14	-
19	62	40			41	42	85	85		0.09	0.03
20	48	37			34	45	75	69		0.04	0.32
21	66	38			31	41	61	51		0.10	-
22	72	40			32	41	68	58		0.16	-
23	60	40			36	42	76	59		0.13	0.05
24	65	36			28	42	59	55		0.12	-
25	66	40			32	38	68	43		0.14	-
26	72	41			34	39	54	38		0.18	-
27	75	40			36	42	76	85		0.18	-
28	48	40			36	44	83	92		0.04	0.75
29	48	33			17	43	29	85		0.07*	1.42
30	52	37			34	41	75	67		0.10	-
31	65	38			31	42	61	56		0.12	-
Tot:										4.69	3.53
Ave:	65	41									

* Estimated evaporation.

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	38			28	31	59	37		0.08	-
2	68	38			30	38	66	49		0.13	-
3	67	38			26	34	53	46		0.11	-
4	68	37			20	31	39	35		0.10	-
5	64	40			32	37	68	65		0.10	-
6	52	39			33	38	69	53		0.01	0.14
7	68	38			17	34	34	43		0.08	-
8	66	38			28	5	59	11		0.09	-
9	68	36			30	34	74	46		0.11	-
10	66	38			28	27	59	35		0.10	-
11	63	40			29	37	60	71		0.10	-
12	56	35			30	37	74	84		0.11	0.71
13	45	32			25	37	63	65		0.01	0.23
14	56	32			29	32	80	55		0.07	-
15	56	30			18	27	58	54		0.10	-
16	56	29			14	27	48	49		0.09	-
17	57	30			15	29	49	55		0.10	-
18	58	30			10	24	41	47		0.10	-
19	58	32			29	30	80	80			0.03
20	40	32			27	30	80	90			0.03
21	38	23			19	25	75	71			0.24
22	45	20			18	26	74	79			-
23	46	18			13	26	70	64			-
24					14	20	54	48			-
25	54	22			15	23	63	62			-
26	55	22			17	25	64	63			-
27	56	23			21	24	76	56			-
28	55	26			18	29	57	66			-
29	56	30			18	27	54	58			-
30	56	25			15	26	55	53			-
Tot:											1.38
Ave:											

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	58	28			12	22	47	35			-
2	56	27			13	27	46	58			-
3	58	29			12	25	47	52			-
4	58	29			15	5	49	24			-
5	52	30			14	30	48	66			0.10
6	50	30			17	27	51	58			-
7	56	30			14	26	48	53			-
8	57	31			26	27	79	54			-
9	56	28				27	37	54			-
10	54	28			7	21	35	44			-
11	50	28			13	21	46	44			-
12	49	28			13	20	46	39			-
13	48	26			11	9	44	27			-
14	51	27			13	2	46	19			-
15	54	28			14	17	47	34			-
16	56	28			13	27	41	49			-
17	52	28			17	25	57	48			-
18	58	30			15	31	44	61			-
19	52	28			13	25	46	43			-
20	54	26			11	23	44	51			-
21											-
22											-
23											-
24											-
25											-
26											-
27											-
28	56	25			18	20	65	39			-
29	50	27			27	29	80	80			-
30	37	30			23	27	69	80			0.20
31	42	22			9	23	49	55			0.01
Tot:											0.31
Ave:											

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Location Latitude 27°32', Longitude 68°46', in WAPDA Colony Khairpur about 2 miles from Khairpur Town on National Highway towards Karachi.

Elevation 200 ± ft msl.

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.1.1962 and taken over by the Surface Water Hydrology Project in December 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.
Pyrheliometer.

Annual figures

Precipitation	0.44 inches
Evaporation (Pan)	114.88 inches
Absolute maximum air temperature	123 °F
Absolute minimum air temperature	34 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record.(-)indicates no precipitation.

KHAIRPUR

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	38			39	62	91	89	15	0.09	-
2	67	34			35	60	82	84	13	0.10	-
3	68	34			32	59	73	83	12	0.10	-
4	68	36			37	57	91	78	14	0.10	-
5	70	39			39	62	91	94	11	0.09	-
6	70	36			39	56	91	78	10	0.11	-
7	65	40			41	61	84	79	4	0.08	-
8	70	42			41	63	92	84	13	0.11	-
9	70	42			41	63	92	84	15	0.11	-
10	70	43			42	61	92	75	5	0.10	-
11	69	42			44	62	100	79	6	0.12	-
12	69	42			42	63	92	84	12	0.11	-
13	74	39			35	62	74	84	46	0.12	-
14	70	36			36	64	90	89	22	0.12	-
15	74	38			38	67	91	85	24	0.14	-
16	74	40			39	63	77	80	9	0.11	-
17	72	40			40	68	84	90	17	0.13	-
18	76	44			43	66	85	80	10	0.12	-
19	75	44			44	64	92	85	9	0.12	-
20	76	42			44	67	92	81	26	0.13	-
21	76	41			42	70	100	90	19	0.14	-
22	76	42			41	69	92	86	10	0.14	-
23					45	70	92	90	16	0.15	-
24	79	45			47	68	100	81	13	0.14	-
25	82	46			46	69	92	81	9	0.13	-
26	84	48			48	58	86	53	17	0.14	-
27	79	48			47	71	93	82	44	0.25	-
28	78	42			40	67	84	77	13	0.18	-
29	78	42			41	67	92	73	8	0.15	-
30	78	42			46	70	92	77	19	0.14	-
31	78	42			45	69	92	77	6	0.19	-
Tot:										3.96	0.00
Ave:									15		

KHAIRPUR

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	44			46	69	92	77	18	0.18	-
2	79	42			37	71	83	86	22	0.16	-
3	80	38			39	65	91	80	84	0.15	-
4					43	54	73	57	61	0.22	-
5	72	36			37	64	91	72	31	0.19	-
6	74	37			36	65	82	65	11	0.15	-
7	79	41			39	58	84	59	16	0.20	-
8	76	42			39	57	84	55	13	0.16	-
9	76	41			37	55	76	51	23	0.15	-
10	80	39			43	66	92	69	7	0.16	-
11	80	44			46	72	79	78	11	0.20	-
12	82	50			47	65	80	80	14	0.16	-
13	80	47			46	64	85	76	25	0.15	-
14	74	48			50	65	87	80	22	0.13	-
15	72	52			51	62	87	71	72	0.18	-
16	73	51			49	62	86	71	24	0.17	-
17	74	50			50	68	93	77	32	0.15	-
18	78	45			46	70	92	86	12	0.17	-
19	77	45			44	70	85	74	19	0.23	-
20	81	46			45	76	79	79	11	0.15	-
21	85	48			48	74	93	75	10	0.17	-
22	84	50			51	77	87	79	22	0.20	-
23	85	55			59	74	88	71	25	0.20	-
24	86	55			53	78	87	69	16	0.21	-
25	90	56			55	78	82	79	24	0.23	-
26	88	60			59	80	83	87	60	0.31	-
27	87	58			57	78	78	83	9	0.25	-
28	88	59			58	80	83	80	14	0.24	-
Tot:										5.22	0.00
Ave:									25		

KHAIRPUR

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	61			59	77	79	67	32	0.27	-
2	92	60			50	79	55	70	57	0.26	-
3	92	61			49	77	54	63	30	0.27	-
4	92	55			54	80	77	70	18	0.26	-
5	94	56			54	79	88	67	17	0.24	-
6	97	54			50	76	76	60	18	0.30	-
7	96	58			59	83	79	71	20	0.26	-
8	95	58			57	79	83	59	15	0.25	-
9	97	58			56	86	78	66	12	0.26	-
10	101	58			56	82	78	65	18	0.28	-
11	102	58			57	86	78	66	11	0.27	-
12	102	59			59	83	83	58	22	0.29	-
13	103	59			56	80	73	54	29	0.28	-
14	104	59			50	87	48	66	10	0.29	-
15	105	60			58	85	78	63	17	0.32	-
16	106	63			62	87	75	69	12	0.32	-
17	101	65			63	77	68	73	17	0.27	-
18	104	68			68	80	81	70	30	0.33	-
19	94	66			65	79	80	64	30	0.24	0.06
20	94	68			70	83	81	68	15	0.25	-
21	96	68			65	82	72	65	44	0.33	-
22	98	66			68	87	85	66	38	0.36	-
23	102	71			67	82	81	71	47	0.32	-
24	94	72			65	85	65	72	59	0.32	-
25	98	70			66	80	69	70	42	0.33	-
26	93	56			54	77	68	67	45	0.40	-
27	92	58			56	79	73	70	19	0.35	-
28	92	60			59	79	74	70	24	0.32	-
29	95	58			59	77	74	63	14	0.30	-
30	98	59			62	82	75	62	23	0.31	-
31	102	60			61	75	67	49	19	0.32	-
Tot:										9.17	0.06
Ave:	97	61							26		

KHAIRPUR

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	61			61	85	67	61	19	0.35	-
2	104	64			63	81	61	49	16	0.33	-
3	108	66			65	77	85	40	15	0.37	-
4	109	67			61	79	51	46	27	0.38	-
5	106	69			62	76	71	43	45	0.38	-
6	105	64			63	77	80	47	15	0.35	-
7	102	68			60	89	60	72	11	0.36	-
8	103	72			69	92	77	68	20	0.32	-
9	109	74			71	93	74	66	16	0.34	-
10	110	72	100	68	69	93	70	68	28	0.35	-
11	107	73	98	72	67	86	66	61	19	0.36	-
12	104	74	99	72	70	79	74	70	60	0.38	-
13	96	71	93	68	68	83	81	60	91	0.38	-
14	100	74	96	68	73	89	75	67	28	0.34	-
15	104	80	101	73	74	84	75	69	47	0.44	-
16	100	77	98	62	57	73	47	54	63	0.46	-
17	93	60	91	60	50	81	46	62	44	0.40	-
18	96	64	94	63	62	82	55	55	31	0.39	-
19	103	70	95	67	68	87	66	62	42	0.47	-
20	104	80	93	66	65	66	59	74	60	0.45	-
21	101	68	96	62	61	73	71	59	59	0.49	-
22	92	58	93	62	56	77	61	61	37	0.37	-
23	96	60	96	63	58	84	66	63	14	0.34	-
24	101	62	98	64	63	83	64	53	13	0.36	-
25	105	65	100	67	64	89	59	62	8	0.36	-
26	106	70	101	67	66	88	63	59	20	0.42	-
27	107	72	101	68	65	92	56	68	13	0.44	-
28	110	76	102	70	63	86	43	66	46	0.45	-
29	100	74	98	64	59	80	57	57	37	0.44	-
30	100	60	96	62	59	75	59	50	24	0.38	-
Tot:										11.65	0.00
Ave:	103	69							32		

KHAIRPUR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	73	96	60	63	78	53	64		75	0.47	-
2	93	64	92	63	63	76	64	51		37	0.39	-
3	99	74	92	63	70	77	61	45		32	0.40	-
4	106	78	98	68	69	86	64	61		61	0.48	-
5	103	73	102	68	73	80	68	45		15	0.41	-
6	109	75	104	70	70	87	55	51		11	0.44	-
7	112	74	103	68	74	91	71	54		27	0.51	-
8	113	79	105	73	79	93	76	57		23	0.52	-
9	112	82	96	69	81	102	65	70		29	0.33	-
10	114	86	106	74	74	91	60	76		58	0.52	-
11	102	75	100	69	71	87	58	69		37	0.48	-
12	106	80	104	74	81	93	70	68		65	0.35	-
13	108	78	103	70	70	83	74	68	466	42	0.52	-
14	95	74	94	67	63	83	61	74	452	92	0.39	-
15	95	72	94	67	67	82	60	68	522	76	0.42	-
16	98	70	97	66	68	77	55	73	551	32	0.34	-
17	104	70	100	67	66	90	47	65	551	21	0.40	-
18						91		68	536			-
19						92		59		74 +	0.87+	-
20	111	75	103	66	73	95	71	66	607	56	0.53	-
21	111	76	102	69	75	83	49	44	579	15	0.44	-
22	113	82	102	71	83	87	60	49	536	46	0.61	-
23	114	81	103	72	85	86	69	50	536	19	0.52	-
24	110	78	102	75	75	93	53	57	480	33	0.48	-
25	115	82	106	75	80	88	52	57	480	11	0.42	-
26	109	80	100	76	81	90	59	50	551	45	0.48	-
27	117	82	107	75	82	90	53	47	593	23	0.52	-
28	120	85	104	75	75	95	46	48	593	49	0.65	-
29	123	85	109	76	82	99	49	59	579	28	0.55	-
30	120	85	110	79	87	101	78	59	565	27	0.49	-
31	120	86	110	79	75	97	53	58	565	37	0.53	-
Tot:											14.46	0.00
Ave:										39		

+ Two days observation.

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	116	82	106	77	82	94	68	57	579	62	0.57	-
2	114	82	107	75	77	94	69	66	536	53	0.54	-
3	110	88	104	76	74	92	57	61	480	43	0.59	-
4	112	84	105	76	86	89	75	54	508	17	0.46	-
5	114	84	108	77	83	84	71	43	536	23	0.48	-
6	115	83	107	76	85	81	61	39	536	35	0.53	-
7	118	82	107	75	88	87	64	46	551	29	0.52	-
8	116	80	106	76	83	89	65	50	522	11	0.49	-
9	116	83	106	78	83	85	71	42	551	18	0.49	-
10	116	83	108	78	83	87	68	44	565	28	0.47	-
11	116	82	108	79	83	83	77	44	579	39	0.45	-
12	112	82	108	80	83	84	74	43	579	42	0.47	-
13	114	82	108	79	78	79	73	37	593	47	0.52	-
14	114	82	106	79	81	81	77	43	579	53	0.51	-
15	110	84	105	79	79	77	76	37	579	62	0.50	-
16	112	84	106	79	81	81	74	40	579	54	0.53	-
17	112	83	107	79	83	82	81	42	565	64	0.52	-
18	113	84	106	80	84	78	81	36	593	72	0.55	-
19	114	84	106	81	81	89	80	40	621	79	0.58	-
20	122	82	110	80	85	88	84	41	565	60	0.60	-
21	120	84	110	81	83	88	81	38	579	51	0.55	-
22	122	84	109	81	83	89	88	43	593	49	0.57	-
23	120	84	110	80	82	97	68	60	508	38	0.55	-
24	118	86	109	83	83	97	68	67	508	38	0.50	-
25						86		40	522		0.47 *	-
26	118	82	110	79	80	91	62	47	536	23 +	0.44	-
27	121	82	110	78	82	97	68	58	522	62	0.48	-
28	117	83	109	80	82	82	77	42	536	57	0.53	-
29	111	84	106	79	78	94	73	68	466	65	0.51	-
30	108	86	107	79	79	97	67	64	551	12	0.49	-
Tot:											15.46	0.00
Ave:										43		

* Estimated evaporation.
\+ Two days wind movement.

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	113	83	107	80	79	90	70	56	536	59	0.50	-
2	110	83	107	79	81	87	80	51	565	44	0.46	-
3	110	86	106	80	81	90	74	54	551	41	0.47	-
4	112	84	108	79	81	96	74	64	565	53	0.50	-
5	112	82	106	78	82	94	77	55	551	69	0.52	-
6	116	82	109	78	83	93	84	59	536	60	0.54	-
7	112	82	106	78	81	95	80	64	593	70	0.49	-
8	111	82	106	78	80	90	80	54	565	69	0.54	-
9	112	82	106	78	81	88	84	51	565	83	0.54	-
10	111	83	106	78	79	89	73	51	551	86	0.51	-
11	112	82	107	78	81	86	80	49	565	25	0.52	-
12	112	83	106	79	79	93	73	61	579	91	0.55	-
13	111	85	107	82	83	99	84	72	565	44	0.49	-
14	111	86	109	81	85	100	92	75	452	25	0.45	-
15	111	87	110	82	78	88	67	64	339	38	0.54	-
16	104	89	101	82	86	93	72	59	466	51	0.43	-
17	112	84	109	80	83	98	84	60	522	64	0.50	-
18	116	83	108	80	80	96	80	66	536	50	0.50	-
19	111	86	108	79	83	100	81	70	536	45	0.46	-
20	114	84	109	81	82	94	88	74	452	42	0.46	-
21	105	86	104	82	86	88	88	57	480	22	0.44	-
22	107	84	105	83	87	86	88	92	466	27	0.47	-
23	98	86	95	87	84	79	84	46	438	64	0.45	0.38
24	106	85	102	82	85	81	88	77	508	53	0.47	-
25	105	83	106	80	80	70	80	38	452	38	0.42	-
26	102	84	106	80	84	84	88	52	522	29	0.39	-
27	106	84	106	82	84	86	84	52	424	6	0.41	-
28	108	85	104	84	74	85	96	31	508	44	0.43	-
29	107	86	104	85	78	75	73	70	480	70	0.47	-
30	104	82	102	81	81	95	84	69	480	63	0.45	-
31	110	81	107	78	79	89	83	57	494	52	0.39	-
Tot:											14.76	0.38
Ave:	110	84	106	80						51		

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August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	80	105	77	80	90	87	60	522	59	0.45	-
2	108	82	107	78	79	92	83	68	494	49	0.39	-
3	106	82	105	79	79	93	83	73	452	62	0.39	-
4	105	84	103	79	81	89	87	62	494	38	0.35	-
5	106	82	106	79	79	83	83	50	494	46	0.37	-
6	107	81	104	77	78	86	83	59	424	77	0.43	-
7	104	80	102	76	75	87	65	59	522	62	0.41	-
8	105	84	105	77	76	83	75	65	381	43	0.44	-
9	100	80	102	78	80	89	80	70	466	46	0.37	-
10	106	82	106	78	80	89	80	60	494	35	0.41	-
11	107	80	105	78	77	79	83	71	565	51	0.38	-
12	106	80	104	77	78	88	83	64	424	69	0.41	-
13	104	79	103	76	79	83	83	58	494	69	0.40	-
14	102	81	103	76	79	86	80	61	452	52	0.40	-
15	104	78	104	77	78	87	79	62	522	18	0.42	-
16	105	79	104	74	77	89	79	64	452	29	0.44	-
17			104	74	75	87	91	59	466	86	0.45	-
18	106	78	105	75	73	89	82	70	424	58	0.40	-
19	103	78	102	75	76	92	83	65	466	59	0.37	-
20	107	78	103	75	77	90	87	65	452	65	0.41	-
21	104	78	104	75	78	84	87	56	438	51	0.40	-
22	104	80	104	76	75	84	79	60	438	40	0.35	-
23	102	80	102	76	77	83	76	63	452	47	0.40	-
24	100	82	101	78	77	79	76	52	452	24	0.34	-
25	106	80	105	78	79	80	80	48	424	36	0.40	-
26	104	78	103	77	78	83	87	60	452	41	0.43	-
27	103	80	104	77	77	87	79	59	452	38	0.38	-
28	106	80	106	76	74	89	75	64	466	38	0.40	-
29	104	78	105	76	75	79	79	46	452	39	0.40	-
30	105	78	105	76	75	88	83	64	438	33	0.36	-
31	104	80	105	77	76	80	83	48	452	38	0.39	-
Tot:											12.34	0.00
Ave:			104	77						48		

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September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	78	103	75	75	81	83	51	466	33	0.45	-
2	104	78	104	76	75	79	79	46	438	35	0.35	-
3	105	78	105	76	75	77	83	47	466	40	0.36	-
4	102	78	104	76	76	79	83	48	452	34	0.34	-
5	102	80	104	77	76	80	75	50	466	26	0.35	-
6	104	76	104	75	75	77	83	45	480	39	0.38	-
7	104	77	104	76	75	78	83	52	466	30	0.34	-
8	102	80	102	78	77	81	76	57	409	38	0.37	-
9	101	80	98	78	79	80	76	54	395	58	0.39	-
10	102	82	101	78	79	81	76	55	424	39	0.37	-
11	102	80	101	77	77	80	76	50	409	36	0.38	-
12	104	80	104	78	75	82	69	53	438	15	0.31	-
13	104	80	104	78	75	84	72	54	452	24	0.36	-
14	105	78	105	78	75	73	79	40	452	13	0.39	-
15	102	70	97	68	62	76	58	51	452	19	0.38	-
16	100	76	96	66	73	78	68	59	438	31	0.31	-
17	98	78	97	75	78	76	79	73	424	43	0.31	-
18	104	78	102	74	70	72	61	38	438	12	0.33	-
19	104	73	102	72	73	74	68	70	438	13	0.35	-
20	104	74	101	73	75	90	79	67	466	11	0.32	-
21	104	72	101	72	72	53	65	20	452	4	0.31	-
22	105	72	101	72	73	88	75	64	424	4	0.30	-
23	105	71	103	71	73	85	75	56	438	5	0.33	-
24	108	74	105	72	81	89	91	67	424	3	0.35	-
25			101	72	76	89	87	67	424	3	0.32	-
26			101	74	76	87	87	62	424	1	0.30	-
27			101	75	74	86	78	59	409	3	0.31	-
28			102	76	76	87	87	62	409	4	0.32	-
29			102	72	74	81	75	53	424	3	0.27	-
30	103	73	100	68	69	83	73	53	424	4	0.37	-
Tot:											10.32	0.00
Ave:			102	74						21		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	74	99	70	73	78	86	49	395	4	0.35	-
2	104	74	103	73	74	82	86	68	381	2	0.30	-
3	95	77	95	77	69	74	70	57	381	45	0.35	-
4	98	73	98	71	71	77	70	56	367	23	0.27	-
5	99	73	98	71	70	74	67	48	409	11	0.28	-
6			99	71	69	76	73	53	424	12	0.25	-
7			97	69	65	79	65	50	424	12	0.28	-
8			96	66	63	79	61	48	409	7	0.30	-
9			96	67	64	80	68	50	395	6	0.30	-
10			97	67	62	77	64	45	409	6	0.30	-
11			95	66	58	81	48	55	395	27	0.38	-
12			95	65	68	75	77	55	409	21	0.32	-
13			92	70	68	75	66	53	424	32	0.30	-
14			95	71	70	75	74	49	409	15	0.23	-
15			97	71	73	78	75	59	395	6	0.24	-
16			96	70	69	74	77	60	353	28	0.32	-
17			91	69	67	81	77	65	367	35	0.30	-
18			94	69	68	78	66	56	367	14	0.20	-
19			97	69	67	82	73	60	395	3	0.20	-
20			95	67	64	76	61	50	381	4	0.26	-
21	102	65	94	65	62	75	71	50	367	9	0.30	-
22	100	64	95	65	62	79	71	54	381	6	0.26	-
23	100	62	93	63	61	78	79	59	367	11	0.28	-
24	104	68	94	65	64	67	68	43	381	6	0.28	-
25	96	66			67	81	73	59	353	26	0.22	-
26	102	64			61	76	63	53	367	3	0.20	-
27	101	63			59	83	62	68	353	6	0.23	-
28	102	66			59	82	59	60	325	3	0.26	-
29	99	66			60	69	63	50	339		0.28	-
30	94	71			64	75	68	63	353	2	0.22	-
31	91	63			64	80	76	62	353	18	0.20	-
Tot:											8.46	0.00
Ave:										13		

KHAIRPUR

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	97	62	92	64	62	80	84	65	339	5	0.20	-
2	99	63	93	65	60	73	67	52	325	4	0.22	-
3	98	65	95	65	64	78	72	64	353	9	0.18	-
4	98	65	93	66	63	75	68	60	311	6	0.20	-
5	98	64	92	65	63	77	68	67	325	8	0.19	-
6	97	64	91	65	61	74	63	60	325	18	0.21	-
7	94	64	89	64	63	76	80	63	311	36	0.24	-
8	95	62	90	63	60	70	70	53	311	6	0.20	-
9	97	61	90	62	59	72	70	59	325	9	0.20	-
10	92	63	87	63	59	67	74	52	296	24	0.23	-
11	91	62	86	62	59	71	74	61	311	24	0.22	-
12	91	62	86	63	59	75	70	72	268	16	0.20	-
13	90	64	87	63	63	73	68	71	282	24	0.19	-
14	87	60	85	62	62	64	89	53	268	29	0.21	-
15	87	60	84	60	60	72	79	68	254	15	0.20	-
16	90	60	86	61	59	71	79	67	254	10	0.16	-
17	90	58	85	59	57	71	78	70	240	11	0.14	-
18	90	55	83	58	55	74	77	78	254	24	0.20	-
19	86	56	83	57	52	54	63	46	226	15	0.16	-
20	82	47	76	47	40	63	52	61	254	53	0.31	-
21	79	47	74	48	48	63	80	64	240	20	0.15	-
22	78	44	76	48	38	61	55	67	268	12	0.14	-
23	78	42	75	45	37	61	54	60	254	23	0.15	-
24	79	41	78	47	43	62	85	64	282	10	0.14	-
25	78	39	75	44	41	65	66	65	296	12	0.10	-
26	80	39	74	44	41	66	84	77	282	6	0.10	-
27	79	42	74	46	41	64	84	65	254	5	0.13	-
28	86	45	75	46	38	60	60	60	268	13	0.12	-
29	84	42	74	44	37	58	50	56	254	23	0.13	-
30	84	44	74	46	43	63	92	68	240	15	0.13	-
Tot											5.35	0.00
Ave:	88	55	83	56						16		

KHAIRPUR

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	44	73	46	36	64	58	68	296	8	0.11	-
2	82	48	74	46	41	61	66	63	311	10	0.13	-
3	82	50	75	48	49	63	86	68	282	14	0.12	-
4	84	52	72	51	49	68	86	66	268	6	0.09	-
5	88	52	78	52	51	64	71	61	254	9	0.13	-
6	84	50	75	52	46	69	60	70	282	21	0.14	-
7	86	50	78	52	47	67	69	63	268	6	0.12	-
8	88	52	77	52	47	64	69	61	254	8	0.13	-
9	86	48	77	50	49	57	93	49	282	8	0.13	-
10	86	50	77	51	48	65	93	72		8	0.12	-
11	81	46	74	47	43	66	78	80		16	0.12	-
12	82	46	74	48	44	62	85	71		24	0.15	-
13	82	42	75	45	45	65	92	76		8	0.12	-
14	83	44	76	45	43	65	85	72		9	0.12	-
15	82	42	74	44	40	61	84	63	282	5	0.11	-
16	82	43	74	44	41	60	84	60	282	11	0.11	-
17	82	44	73	45	40	64	71	68	268	11	0.13	-
18	82	44	73	46	41	63	77	68	282	8	0.11	-
19	86	46	75	47	44	64	92	68	296	6	0.11	-
20	80	44	74	46	43	67	92	73	282	12	0.10	-
21	82	44	74	46	43	63	92	68	282	12	0.10	-
22	82	44	72	45	40	61	84	67		18	0.12	-
23	80	44	72	45	42	59	92	59		18	0.10	-
24	81	43	73	45	39	65	84	76		10	0.11	-
25	80	44	72	46	43	61	92	67		6	0.11	-
26	86	43	70	45	41	63	92	68		5	0.10	-
27	84	43	73	45	43	60	92	60		9	0.10	-
28	82	44	73	46	39	60	77	63		14	0.12	-
29	80	46	72	46	45	59	92	62		24	0.16	-
30	78	47	70	47	42	62	72	71		26	0.11	-
31	78	50	71	50	43	60	78	63		30	0.20	-
Tot:											3.73	0.00

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Location Latitude 28°39', Longitude 70°39', near Abbasia Canal, 3 miles from Khanpur on Khanpur-Sikandarabad road.

Elevation

Period of record Station established by Surface Water Hydrology Project in May 1969. A separate observatory is also being maintained by Pakistan Meteorological Services.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Remarks
Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

KHANPUR

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12			94	74	61	63	42	39		0.39	-
13			88	69	62	63	71	50	127	0.40	-
14			80	65	57	49	55	29	159	0.41	-
15			88	65	58	47	56	23	96	0.40	-
16			93	68	54	55	41	27	47	0.36	-
17			97	68	54	44	35	14	29	0.35	-
18			98	77	56	45	36	14	33	0.44	-
19			98	68	53	35	38	12	78	0.55	-
20			94	67	58	51	48	19	86	0.56	-
21	101	73	98	69	53	45	33	12	36	0.40	-
22	110	74	99	72	52	55	32	19	49	0.54	-
23	108	84	99	70	62	50	45	16	59	0.48	-
24			99	72	64	48	44	14	75	0.59	-
25	108	80	101	79	57	47	33	15	52	0.54	-
26	109	78	98	77	57	49	34	13	56	0.61	-
27	112	79	101	73	59	40	36	9	51	0.52	-
28	115	79			63	65	43	21	50	0.54	-
29	116	78			73	68	59	25	33	0.46	-
30	114	86	106	78	75	61	69	22	56	0.46	-
31	112	82	103	80	75	67	65	25	81	0.53	-
Tot:											
Ave:											

KHANPUR

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	112	83	104	79	75	83	69	26	80	0.53	-
2	109	86	107	78	70	77	55	23	58	0.49	-
3	106	84	100	77	68	59	52	23	75	0.55	-
4	107	80	103	76	74	44	60	13	46	0.46	-
5	108	82	105	76	64	56	42	20	51	0.47	-
6	109	81	104	77	64	51	40	15	57	0.45	-
7	112	83	105	79	70	49	51	14	49	0.52	-
8	111	80	103	76	74	45	65	12	47	0.53	-
9	110	85	107	79	73	58	65	20	57	0.43	-
10	109	82	101	78	74	55	65	19	84	0.46	-
11	108	82	99	78	76	69	72	31	103	0.49	-
12	106	84	105	79	75	61	69	22	60	0.42	-
13	109	85	105	80	73	55	59	19	59	0.43	-
14	109	84	101	78	74	61	65	24	77	0.51	-
15	107	85	100	78	72	61	59	24	89	0.54	-
16	107	83	107	79	73	68	59	31	98	0.58	-
17	106	84	102	80	75	68	65	29	86	0.50	-
18	109	86	103	81	76	68	66	27	90	0.54	-
19	110	88	102	81	74	67	57	25	113	0.63	-
20	113	88	102	81	75	59	63	18	104	0.61	-
21	113	86	104	82	77	68	69	27	129	0.64	-
22	110	85	104	81	79	61	76	22	111	0.56	-
23	112	82	103	78	76	69	66	32	75	0.48	-
24	106	86	104	80	71	70	49	33	72	0.46	-
25	106	86	105	80	71	68	51	33	50	0.48	-
26	110	85	106	81	74	68	57	27	46	0.46	-
27	112	85	107	81	77	68	67	29	45	0.45	-
28	110	88	104	82	73	68	59	34	60	0.49	-
29	108	86	107	78	69	72	50	38	77	0.51	-
30	104	86	97	80	71	64	56	26	40	0.43	-
Tot:										15.21	0.00
Ave:	106	84	104	79					73		

KHANPUR

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	86	105	79	74	68	65	33	90	0.51	-
2	103	84	102	79	76	77	66	47	76	0.46	-
3	102	88	105	82	78	71	64	35	34	0.37	-
4	108	88	106	82	74	65	57	26	59	0.46	-
5	108	85	102	79	74	69	65	30	98	0.59	-
6	108	82	102	79	73	67	68	28	107	0.55	-
7	108	84	102	78	75	66	75	29	111	0.55	-
8	106	84	100	78	74	68	68	31	142	0.59	-
9	106	84	101	78	75	74	72	39	146	0.60	-
10	106	84	100	79	76	73	72	40	126	0.54	-
11	104	84	104	78	74	72	65	35	92	0.48	-
12	106	85	103	80	75	74	63	37	74	0.47	-
13	106	86	107	82	74	74	60	37	42	0.45	-
14	106	89	105	82	76	73	66	36	47	0.40	-
15	108	84	108	79	73	74	68	44	103	0.54	-
16	102	85	104	79	76	75	58	40	48	0.41	-
17	106	86	107	83	77	72	72	37	59	0.44	-
18	106	84	105	80	76	75	72	41	82	0.47	-
19	104	84	104	80	75	72	69	37	76	0.46	-
20	105	84	104	80	76	71	72	34	75	0.49	-
21	107	85	105	81	76	71	51	34	40	0.38	-
22	107	92	103	85	81	74	62	42	72	0.57	-
23	103	90	103	84	81	84	65	81	70	0.50	-
24	102	83	104	81	80	75	46	49	55	0.24	0.24
25	100	84	103	81	76	77	72	49	65	0.39	-
26	101	84	106	82	76	78	66	49	44	0.38	-
27	101	86	108	82	75	76	65	45	48	0.41	-
28	102	84	105	79	67	75	54	46	81	0.51	-
29	101	83	106	79	75	77	72	56	69	0.43	-
30	97	84	103	79	75	79	72	52	52	0.35	-
31	101	84	104	78	73	77	65	49	67	0.39	-
Tots										14.38	0.24
Avs	104	85	104	80					76		

KHANPUR

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	83	104	80	73	77	71	51	68	0.43	-
2	100	82	103	79	74	77	71	49	69	0.44	-
3	100	84	99	80	76	75	72	49	73	0.38	-
4	100	85	105	81	77	78	69	52	43	0.39	-
5	101	86	107	81	73	77	68	49	58	0.43	-
6	100	85	100	79	66	78	56	56	104	0.50	-
7	98	82	102	78	70	77	61	56	78	0.37	-
8	98	84	102	80	76	77	72	51	47	0.34	-
9	100	84	103	78	75	78	72	52	68	0.45	-
10	100	84	103	79	76	78	72	52	60	0.40	-
11	102	84	104	80	75	76	72	47	72	0.40	-
12	101	83	101	78	72	76	68	51	106	0.50	-
13	98	82	100	78	73	77	71	56	74	0.36	-
14	96	82	98	78	75	76	75	51	36	0.26	-
15	98	83			75	77	69	49	34	0.34	-
16	100	85			77	75	76	46	27	0.34	-
17	100	84			74	75	75	50	52	0.36	-
18	98	80			72	72	74	45	83	0.44	-
19	98	80			71	73	74	50	98	0.43	-
20	97	79			69	74	70	48	81	0.40	-
21	98	80			69	75	67	53	57	0.34	-
22	97	80			73	74	71	55	39	0.31	-
23	94	82			75	71	75	45	38	0.31	0.03
24	98	80			73	75	65	50	16	0.28	-
25	99	83			75	72	72	43	47	0.41	-
26	101	82			73	69	71	37	45	0.36	-
27	101	81			71	69	67	39	43	0.39	-
28	100	81			69	70	64	69	51	0.42	-
29	100	82			72	69	65	37	62	0.40	-
30	101	82			73	71	71	39	55	0.36	-
31	102	82			73	71	68	39	56	0.40	-
Tot:										11.94	0.03
Avg:	99	82							59		

KHANPUR

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	82			71	70	64	41	65	0.39	-
2	101	82			70	69	67	39	83	0.46	-
3	101	81			72	71	74	39	64	0.38	-
4	101	80			74	71	75	43	51	0.35	-
5	99	83			74	72	71	45	61	0.38	-
6	98	82	102	78	73	71	71	41	56	0.37	-
7	101	82	103	78	74	70	71	47	59	0.39	-
8	96	83	101	78	73	71	71	49	57	0.36	-
9	94	80	98	77	75	69	75	46	62	0.30	-
10	95	82	99	76	73	72	78	54	67	0.35	-
11	93	78	98	75	74	71	83	54	54	0.31	-
12	92	80	99	76	74	69	83	50	39	0.28	-
13	91	79	99	78	76	68	72	42	30	0.26	-
14	97	82	99	78	71	66	67	39	33	0.28	-
15	96	72	100	71	59	69	57	50	33	0.28	-
16	92	76	97	70	71	67	82	47	65	0.28	-
17	91	75	97	72	76	66	87	39	45	0.26	-
18	98	74	98	71	71	70	78	41	38	0.32	-
19	101	73	100	72	67	66	73	36	29	0.29	-
20	99	74	100	71	66	67	69	65	17	0.26	-
21	98	76	101	72	72	66	71	39	22	0.29	-
22	95	78	100	74	71	66	70	36	18	0.28	-
23	100	72	102	73	64	70	65	41	23	0.28	-
24	100	76	99	72	70	73	81	48	32	0.29	-
25	98	74	98	72	71	71	86	45	36	0.25	-
26	98	76	99	74	73	70	86	48	37	0.27	-
27	94	76	97	72	72	67	82	41	47	0.28	-
28	95	74	99	72	74	67	100	41	48	0.28	-
29	96	72	98	68	65	65	72	38	47	0.28	-
30	96	70	98	65	60	63	67	36	66	0.30	-
Tot:										9.35	0.00
Ave:	97	77							46		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	71	93	66	73	64	78	36	83	0.28	-
2	97	74	94	65	68	66	77	39	40	0.25	-
3	96	76	96	65	72	61	78	39	36	0.24	-
4	90	74	96	66	68	61	77	36	25	0.26	-
5	92	72	96	65	66	61	77	39	15	0.18	-
6	94	71	92	66	66	67	80	41	45	0.27	-
7	96	68	93	67	65	66	85	39	24	0.26	-
8	97	68	93	67	63	66	75	37	18	0.23	-
9	96	66	94	66	65	66	72	37	13	0.20	-
10	98	67	94	65	62	63	75	33	17	0.24	-
11	97	62	95	65	61	66	84	37	16	0.20	-
12	98	66	89	66	63	69	68	58	51	0.33	-
13	89	72	89	68	68	71	81	54	54	0.24	-
14	92	72	92	69	67	58	77	32	16	0.19	-
15	94	73	95	70	66	60	77	34	14	0.21	-
16	95	72	95	67	61	62	67	34	55	0.27	-
17	96	70	89	66	63	61	61	39	48	0.27	-
18			92	65	64	63	85	41	14	0.20	-
19	92	66	94	66	60	65	67	44	13	0.18	-
20	94	65	92	64	62	64	71	36	18	0.19	-
21	96	65	92	66	63	59	80	30	20	0.20	-
22	98	66	89	62	60	61	84	30	50	0.27	-
23	99	60	92	63	57	65	78	44	25	0.25	-
24	94	64	92	62	61	65	73	44	32	0.21	-
25	93	63	90	64	64	62	76	37	29	0.22	-
26	93	64	92	62	65	64	89	36	30	0.21	-
27	98	60	91	62	60	64	79	35	31	0.25	-
28	96	64	92	64	55	62	64	34	13	0.20	-
29	95	66	90	65	54	64	51	36	30	0.19	-
30	96	64	89	62	58	61	70	42	35	0.26	-
31	90	62	89	64	63	59	80	36	44	0.24	-
Tot:										7.19	0.00
Ave:			92	65					31		

KHANPUR

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	64	89	62	66	60	85	34	36	0.22	-
2	92	65	90	63	69	56	95	29	28	0.19	-
3	94	62	88	62	63	60	47	34	36	0.22	-
4	93	61	88	60	59	59	74	33	9	0.18	-
5	94	62	88	63	62	55	84	27	30	0.20	-
6	96	60	89	64	57	57	74	33	23	0.22	-
7	90	58	86	61	61	56	63	34	30	0.19	-
8	94	62	88	61	54	61	73	36	16	0.17	-
9	94	60	87	62	58	60	78	42	21	0.19	-
10	88	62	85	61	57	63	78	43	26	0.18	-
11	89	61	84	60	55	64	77	48	25	0.19	-
12	88	60	84	61	56	61	78	40	27	0.17	-
13	88	62	86	61	61	60	84	63	23	0.15	-
14	76	54	75	57	57	62	88	55	31	0.14	0.04
15	84	56	85	59	59	63	88	43	10	0.10	-
16	88	61	85	58	56	59	78	41	18	0.16	-
17	86	56	84	58	49	53	70	31	16	0.14	-
18	88	59	86	59	53	57	72	38	25	0.16	-
19	85	55	82	50	46	59	60	41	27	0.18	-
20	86	54	81	55	42	34	50	19	25	0.16	-
21			72	45	35	60	45	23	50	0.20	-
22	77	48			45	61	68	25	27	0.16	-
23	76	42	72	45	40	24	48	14	30	0.14	-
24	77	40	73	44	35	24	74	14	15	0.13	-
25	78	40	73	43	35	19	74	10	19	0.12	-
26	82	38	74	41	38	29	76	17	24	0.14	-
27	80	40	72	44	38	19	83	11	19	0.13	-
28	80	39	72	43	40	36	84	28	18	0.13	-
29	77	41	72	42	36	34	69	24	12	0.12	-
30	76	40	71	44	38	30	83	22	17	0.12	-
Tot:											0.04
Ave:									23		

KHANPUR

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	39	69	43	41	32	84	22	19	0.13	-
2	77	40	71	43	43	37	85	24	13	0.10	-
3	80	42	73	46	40	49	84	36	12	0.11	-
4	82	43	76	45	41	52	84	42	31	0.14	-
5	77	39	73	41	41	40	84	27	20	0.13	-
6	79	43	71	42	38	42	76	27	22	0.15	-
7	82	45	75	48	47	41	86	25	19	0.13	-
8	83	46	75	49	47	34	74	22	19	0.11	-
9	84	46	74	49	46	41	74	25	10	0.10	-
10	81	46	75	47	47	40	80	27	27	0.14	-
11	80	42			37	54	76	46	25	0.12	-
12	77	40	71	42	39	45	77	60	31	0.15	-
13	78	40	72	44	39	40	70	26	9	0.09	-
14	79	39	72	43	40	43	84	31	13	0.10	-
15	77	38	71	43	38	33	83	20	14	0.11	-
16	78	38	71	42	36	48	75	47	13	0.10	-
17	76	40	70	42	40	49	91	45	12	0.10	-
18	77	42	71	44	38	47	83	37	9	0.10	-
19	80	38	71	43	38	47	76	44	32	0.13	-
20	76	42	71	44	44	48	85	42	10	0.11	-
21	75	41	71	43	39	36	84	25	11	0.10	-
22	76	44	70	43	46	44	79	35	31	0.12	-
23	74	40	70	44	32	41	73	30	22	0.10	-
24	76	39	71	42	40	46	84	34	13	0.12	-
25	78	40	71	43	38	45	83	32	11	0.10	-
26	79	39	69	43	35	45	82	38	8	0.08	-
27	78	39	70	43	20	43	34	39	16	0.09*	-
28	70	45	69	43	42	40	78	35	13	0.10	-
29	76	47	71	46	46	45	85	46	45	0.10	-
30	72	50	66	47	43	47	78	44	52	0.12	-
31	75	46	68	45	47	46	93	41	38	0.14	-
Tot:										3.52	0.00
Ave:	78	42							20		

* Estimated evaporation.

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Location Latitude 33°35', Longitude 71°27', in the premises of Government College Kohat upto 24th of October, 1965 and then shifted to Meri village near Jamam Demolocha Textile Mill Kohat.

Elevation 1,650 ± ft msl.

Period of record Rainfall data September 1960 to date. Other data from September 1961. Station established by Surface Water Hydrology Project WAPDA.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	14.31 inches
Evaporation (Pan)	124.89 inches
Absolute maximum air temperature	112 °F
Absolute minimum air temperature	36 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

KOHAT

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					30	39	56	57	32	0.13	-
2					27	37	58	56	29	0.12	-
3					27	42	65	68	45	0.13	-
4					29	45	73	69	25	0.13	-
5	58	37			30	44	74	69	19	0.13	-
6	59	38			33	49	75	87	32	0.12	-
7	56	38			31	48	74	81	17	0.12	-
8					36	47	76	75	13	0.13	-
9					37	47	71	70	28	0.14	-
10	62	42			36	45	76	69	44	0.13	-
11	60	41			35	44	76	69	4	0.12	-
12					28	45	45	69	14	0.13	-
13	61	44			28	43	45	68	28	0.12	-
14	56	39			10	38	9	61	17	0.13	-
15	57	39				42	13	68	22	0.13	-
16	60	40			5	42	11	68	22	0.14	-
17	61	41			7	43	9	68	16	0.14	-
18	61	40			6	43	17	68	23	0.15	-
19	60	42			31	39	61	57	10	0.13	-
20	62	41			35	44	76	64	40	0.14	-
21					35	45	69	69	47	0.16	-
22	62	44			37	45	71	65	24	0.15	-
23	63	45			37	47	71	65	38	0.14	-
24	66	45			41	45	79	61	30	0.14	-
25					45	49	80	63	32	0.15	-
26	67	51			48	45	87	57	39	0.15	-
27	65	50			48	43	87	52	57	0.17	-
28	64	48			43	41	79	51	57	0.16	-
29	63	45			38	37	77	45	36	0.15	-
30	61	43			34	41	63	51	30	0.17	-
31	66	45			38	47	77	70	34	0.16	-
Tot:										4.37	0.00
Ave:									29		

KOHAT

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	59	42			35	39	69	62	56	0.15	0.20
2	56	37			34	41	82	58	57	0.16	0.04
3					35	26	76	37	53	0.18	-
4	60	42			35	9	69	13	24	0.21	-
5	61	43			33	18	63	17	36	0.20	-
6	63	41			32	12	57	15	30	0.19	-
7	61	40			33	18	69	19	48	0.17	-
8	62	41			35	23	69	23	22	0.18	-
9	62	41			37	45	77	53	33	0.17	-
10	64	42			34	48	63	59	52	0.19	-
11	66	44			38	47	77	55	51	0.21	-
12	65	44			39	55	78	88	27	0.20	-
13	59	43			41	50	85	93	39	0.03	0.70
14	52	44			43	46	92	86	100	0.06	0.32
15	53	45			39	46	78	80	43	0.15	-
16					46	50	86	93	85	0.15	0.06
17	63	42			39	49	84	81	28	0.06	0.30
18					38	50	77	76	41	0.14	-
19					38	49	77	71	56	0.17	-
20	61	46			39	34	72	88	43	0.19	-
21	62	44			41	55	85	88	2	0.15	-
22	61	44			39	52	78	87	44	0.16	-
23	58	42			32	54	57	69	14	0.13	-
24					42	58	79	83	52	0.16	0.02
25					50	54	93	65	62	0.17	-
26	69	51			55		100		66	0.25	0.05
27	66	48				57		74	41	0.22	0.29
28	66	46			45	50	80	53	43	0.16	-
Tot:										4.56	1.98
Ave:									45		

KOHAT

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	71	50			46	53	75	58	45	0.23	-
2	77	53			51	60	77	58	35	0.21	-
3	80	57			52	59	77	64	25	0.21	-
4	76	57			53	63	78	62	49	0.27	-
5	80	58			52	64	74	59	37	0.25	-
6	80	58			54	60	69	61	50	0.22	-
7	78	54			53	65	78	63	61	0.28	-
8	82	59			55	75	69	47	33	0.26	-
9	84	60			55	66	78	55	33	0.29	-
10	85	58			56	68	70	53	36	0.30	-
11	88	58			55	65	74	52	35	0.32	-
12	88	58			51	67	68	52	30	0.32	-
13	88	60			55	68	74	56	11	0.31	-
14	88	60			56	72	79	60	28	0.29	-
15	89	62			54	65	69	60	27	0.30	-
16	88	62			59	65	84	54	36	0.28	-
17	86	62			60	64	84	54	29	0.28	-
18	87	61			61	63	94	95	64	0.53	0.61
19	68	56			58	57	100	83	50	0.13	-
20	64	52			52	60	100	71	65	0.10	0.04
21					55	69	94	86	17	0.19	-
22						59		100	11	0.22	0.08
23	62	56			58	71	100	95	54	0.14	0.45
24	74	57			59	73	89	86	39	0.20	-
25	82	62			62	72	95	91	45	0.26	-
26	78	50			53	66	94	81	56	0.35	0.19
27	73	55			56	69	94	86	33	0.22	-
28	78	57			54	59	73	57	41	0.29	-
29	78	58			57	67	79	70	50	0.29	-
30	81	59			57	70	83	71	35	0.29	-
31	85	62			61	65	84	60	51	0.32	-
Tot:										8.15	1.37
Ave:									39		

KOHAT

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	62			59	65	75	52	70	0.38	-
2	88	62			57	67	70	48	35	0.40	-
3	91	58			56	71	79	62	37	0.43	-
4	90	58			58	68	79	56	27	0.35	-
5	88	56			54	64	73	54	41	0.44	-
6	88	62			60	72	67	60	50	0.44	-
7	90	64			61	73	80	60	19	0.38	-
8	92	64			61	72	72	60	35	0.40	-
9					65	67	77	55	43	0.40	-
10	92	64			64	68	85	64	87	0.40	0.23
11	84	66			65	62	95	100	62	0.33	-
12	78	58			61	67	100	77	57	0.29	0.56
13	76	60			63	77	95	83	20	0.17	-
14					67	72	90	65	16	0.30	-
15	88	64			65	71	100	78	53	0.33	0.22
16	80	61			57	64	83	57	35	0.23	-
17	82	58			60	68	100	67	48	0.34	-
18	82	60			61	62	75	55	34	0.46	-
19	82	66			57	62	66	76	113	0.33	-
20	76	62			59	52	84	100	87	0.29	-
21	72	50			48	55	87	56	86	0.16	0.32
22					55	58	88	54	58	0.34	-
23	82	56			54	51	83	36	39	0.47	-
24	84	55			53	71	78	71	42	0.47	-
25	83	60			60	56	75	53	59	0.42	-
26	81	66			58	53	71	39	187	0.43	-
27	82	64			58	71	71	78	92	0.45	-
28	82	62			57	60	79	75	161	0.41	0.01
29	79	54			56	58	94	71	134	0.35	-
30	72	54			55	64	88	65	57	0.30	-
Tot:										10.89	1.34
Ave:									63		

KOHAT

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	76	56			52	69	73	64	63	0.35	-
2	84	57			57	70	79	59	36	0.47	-
3	86	64			66	65	90	73	42	0.46	-
4	84	64			62	73	84	60	42	0.22	-
5	90	66			65	82	69	77	33	0.47	-
6	96	70			67	77	35	65	47	0.53	-
7	96	70			69	77	70	57	53	0.50	-
8	98	74			70	74	78	56	76	0.55	-
9	95	74			67	71	73	95	100	0.52	-
10	84	64			66	69	90	67	93	0.21	0.15
11	88	68			65	77	73	70	63	0.42	-
12	94	68			68	69	82	82	72	0.55	-
13	87	60			60	64	94	76	99	0.12	0.24
14	74	56			57	57	89	79	108	0.38	0.75
15	74	56			58	71	89	71	98	0.25	-
16	82	60			61	75	75	63	87	0.38	-
17	90	60			62	70	76	59	61	0.45	-
18	92	72			64	70	76	65	98	0.48	-
19	84	62			65	71	81	59	75	0.40	-
20	89	67			65	42	73	17	75	0.43	-
21	94	74			69	79	70	68	52	0.50	-
22	98	77			73	68	83	74	128	0.59	-
23	90	68			66	75	73	56	84	0.51	-
24	96	74			69	83	67	61	71	0.60	-
25	101	75			69	84	74	61	61	0.65	-
26					71	89	62	70	40	0.66	-
27	104	76			67	89	63	70	28	0.67	-
28	104	76			70	77	71	45	36	0.66	-
29	106	79			71	91	68	68	51	0.72	-
30					78	78	67	73	68	0.76	-
31	106	82			79	76	80	57	92	0.75	-
Tot:										15.21	1.14
Ave:									69		

KOHAT

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	77			73	79	68	49	64	0.54	-
2	105	82			77	80	76	69	65	0.70	0.01
3	104	83			76	81	76	71	90	0.72	-
4	98	76			75	88	87	89	95	0.67	-
5	96	74			70	88	74	75	108	0.66	-
6	98	76			67	83	55	56	48	0.65	-
7	102	78			75	81	76	77	47	0.70	-
8	104	78			69	91	67	71	76	0.71	-
9	106	76			65	77	52	45	60	0.75	-
10	108	82			81	75	81	67	39	0.78	-
11	106	80			75	64	72	38	58	0.76	0.08
12	104	74			70	81	71	53	67	0.64	-
13	104	82			81	81	77	56	41	0.75	-
14	106	80			80	94	92	77	69	0.74	-
15	106	83			76	83	73	54	46	0.77	-
16	106	80			79	88	80	60	56	0.76	-
17	108	83			86	79	92	53	42	0.80	-
18	108	82			77	95	70	69	80	0.82	-
19	110	86			70	97	56	89	61	0.85	-
20	109	82			77	95	67	69	102	0.81	-
21	112	88			83	93	81	71	52	0.88	-
22	110	82			73	91	62	68	59	0.82	-
23	106	72			69	89	86	89	88	0.65	0.30
24	96	70			76	79	79	67	43	0.40	-
25	106	78			77	96	80	83	72	0.70	-
26	110	80			78	96	70	75	51	0.60	-
27	110	85			78	73	70	72	49	0.82	-
28	106	78			73	74	75	87	132	0.60	-
29	106	72			72	91	83	76	77	0.51	0.11
30	112	78			76	87	79	96	43	0.50	-
Tot:										21.26	0.50
Ave:	106	79							66		

KOHAT

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	80			75	85	79	72	63	0.45	-
2	100	82			79	92	84	89	94	0.52	-
3	109	84			81	95	88	77	49	0.66	-
4	108	85			75	89	81	60	56	0.71	-
5	109	85			84	93	88	71	62	0.72	-
6	108	88			83	96	78	72	69	0.68	-
7	110	90			84	96	81	77	55	0.72	-
8	110	87			84	91	75	65	108	0.69	-
9	108	87			83	75	85	95	113	0.66	-
10	100	74			72	80	91	80	104	0.60	0.45
11	94	72			76	89	87	92	59	0.31	0.21
12	100	80			79	74	84	72	36	0.50	-
13					74	84	83	61	81	0.53*	-
14	102	80			84	75	78	91	35	0.56	-
15	96	74			77	90	87	85	71	0.18	0.12
16	98	81			83	93	92	79	48	0.44	-
17	101	86			84	90	78	65	62	0.58	-
18	108	90			88	88	89	65	59	0.60	-
19	106	89			78	97	59	75	65	0.59	-
20	110	90			88	89	89	63	76	0.68	-
21	106	88			88	87	92	88	103	0.64	-
22	98	82			80	82	92	81	148	0.52	-
23	94	83			82	91	88	79	90	0.34	-
24	100	76			73	79	91	92	114	0.53	0.10
25	84	76			77	88	91	89	82	0.19	-
26	93	78			79	87	92	81	130	0.44	-
27	96	82			83	79	92	96	93	0.50	-
28	92	72			76	85	95	92	81	0.54	-
29	90	76			79	88	92	89	50	0.34	-
30	94	80			80	83	88	88	17	0.41	-
31	94	78			79	96	84	86	77	0.44	-
Tot:										16.27	2.75
Ave:									76		

* Estimated evaporation.

KOHAT

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	82			82	98	77	83	44	0.50	-
2	106	82			84	101	81	87	39	0.54	-
3	107	87			84	95	88	89	69	0.60	-
4	102	86			86	96	92	89	102	0.55	-
5	102	86			86	98	85	83	59	0.55	-
6	107	90			85	76	78	50	81	0.60	-
7	100	81			78	81	91	88	163	0.59	-
8	86	81			82	88	92	73	66	0.20	-
9	100	85			86	91	88	73	63	0.48	-
10	102	85			83	88	88	73	92	0.55	-
11	100	85			82	90	92	82	102	0.53	-
12	100	85			81	74	88	87	55	0.45	-
13	86	72			74	81	79	96	88	0.40	1.93
14	92	80			79	78	92	100	44	0.30	-
15	92	75			75	75	95	72	83	0.13	0.25
16	88	76			76	84	83	81	50	0.29	-
17	92	76			78	86	80	79	50	0.38	-
18	96	81			81	78	88	96	85	0.45	-
19	93	77			84	77	96	91	71	0.42	0.31
20	92	72			73	83	95	85	66	0.16	0.03
21	90	74			77		83		51	0.32	-
22	93	68			70	79	90	74	66	0.43	0.34
23					67	81	66	92	25	0.33	-
24	94	76			79	87	87	92	36	0.35	-
25	98	78			79	75	84	100	41	0.51	-
26	97	72			71	82	82	74	66	0.50	0.35
27	99	77			77	89	83	82	51	0.37	-
28	99	78			77	86	76	69	37	0.41	-
29	102	80			81	95	84	83	37	0.50	-
30	103	79			78	94	76	86	39	0.50	-
31	102	80			80	88	77	73	8	0.49	-
Tot:										13.38	3.21
Ave:									62		

KOHAT

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	82			78	93	80	83	53	0.53	-
2	101	84			78	93	80	86	92	0.56	-
3	101	72			74	88	91	75	94	0.63	0.25
4	98	76			73	91	75	85	42	0.46	-
5	98	80			75	90	61	85	20	0.45	-
6	102	78			69	85	67	88	50	0.50	-
7	94	70			70	81	90	88	121	0.51	0.24
8	86	70			69	84	86	85	37	0.15	-
9	92	73			73	83	91	78	32	0.35	-
10	93	76			75	83	83	75	37	0.34	-
11	96	81			82	88	88	85	26	0.42	-
12	94	77			77	87	91	81	76	0.45	-
13	96	76			74	91	83	82	33	0.42	-
14	98	80			80	79	92	84	68	0.47	-
15	98	70			69	82	90	88	101	0.43	-
16	88	66			67	86	90	88	86	0.46	0.26
17	93	68			67	89	90	85	25	0.35	-
18	96	70			69	89	90	85	36	0.40	-
19	96	70			69	89	74	89	45	0.42	-
20	96	70			68	87	90	85	38	0.42	-
21	96	70			73	82	83	74	47	0.40	-
22	96	74			73	89	86	89	38	0.43	-
23	96	75			74	82	79	74	48	0.41	-
24	96	72			70	77	82	67	42	0.38	-
25	96	72			73	79	86	84	44	0.38	-
26	94	72			71	81	86	81	51	0.35	-
27	93	75			73	86	86	85	48	0.37	-
28	94	76			74	84	87	78	39	0.40	-
29	94	77			70	89	74	85	54	0.40 *	-
30	97	72			72	85	86	81	39	0.40	-
Tot:										12.64	0.75
Ave:	96	74							52		

* Estimated evaporation.

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Water Movement Miles	Evaporation in inches	Rain in inches
1	96	72			71	67	86	95	50	0.40	-
2	92	60			63	75	89	79	52	0.34	0.33
3	84	66			69	76	90	83	50	0.29	-
4	89	65			66	78	90	76	50	0.35	-
5	89	68			67	79	95	76	24	0.30	-
6	90	68			68	82	90	84	46	0.33	-
7	92	69			69	78	95	70	41	0.35	-
8	94	68			69	86	90	88	24	0.37	-
9	94	68			66	85	81	88	30	0.37	-
10	93	68			69	81	86	81	41	0.35	-
11	91	70			67	77	90	91	35	0.33	-
12	90	66			65	81	95	88	74	0.32	-
13	87	67			67	80	90	88	20	0.28	-
14	88	70			67	79	85	92	35	0.31	-
15	84	66			66	62	100	100	69	0.29	0.01
16	77	58			60	69	100	74	63	0.16	0.26
17	80	58			62	69	89	70	21	0.20	-
18	82	61			61	70	94	71	26	0.22	-
19	86	63			63	74	95	95	38	0.25	-
20	86	64			64	73	90	83	51	0.25	-
21	86	66			65	79	90	84	53	0.27	-
22	90	64			63	79	89	84	34	0.30	-
23	88	64			65	79	95	92	36	0.26	-
24	86	66			67	77	95	91	58	0.28	-
25	87	66			66	77	90	80	40	0.27	-
26	90	67			66	81	90	84	42	0.29	-
27	88	65			64	77	90	87	34	0.26	-
28	84	60			60	63	94	85	82	0.33	0.34
29	72	62			63	65	100	85	97	0.17	-
30	76	60			60	71	94	78	69	0.20	-
31	83	62			63	78	85	87	41	0.25	-
Tot										8.94	0.94
Ave:	87	65							46		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	R in
1	88	64			63	77	95	91	40	0.26	.
2	87	64			63	77	95	91	34	0.25	.
3	86	62			62	76	95	79	33	0.24	.
4	86	64			57	70	79	74	28	0.26	.
5	84	64			63	63	95	76	33	0.24	.
6	82	60			59	75	94	91	81	0.23	0.
7	84	60			60	76	94	91	25	0.20	.
8	84	60			58	73	94	79	32	0.20	.
9	86	60			59	71	89	78	32	0.22	.
10	84	58			59	72	94	91	21	0.20	.
11	80	60			60	70	89	90	25	0.16	.
12	78	54			55	64	100	90	62	0.19	0.
13	72	54			53	68	88	80	32	0.12	.
14	76	54			53	61	94	72	61	0.18	.
15	78	50			50	62	87	76	26	0.18	.
16	76	52			53	53	94	65	39	0.19	.
17	72	52			51	53	87	58	32	0.13	.
18	76	50			50	57	93	70	33	0.17	.
19	74	52			52	62	94	89	35	0.16	.
20	68	48			47	60	86	89	44	0.15	.
21	68	50			47	61	70	89	40	0.22	.
22	70	42			40	59	84	71	23	0.17	.
23	74	42			40	58	84	79	30	0.17	.
24	72	42			39	65	67	90	26	0.16	.
25	78	48			46	61	86	89	38	0.20	.
26	78	44			42	55	85	83	24	0.18	.
27	74	40			40	56	84	88	22	0.13	.
28	70	40			41	57	79	89	23	0.14	.
29	70	42			40	55	84	88	17	0.10	.
30	70	40			39	60	84	89	19	0.12	.
Tot:										5.52	0.
Ave:	78	52							34		

KOHAT

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	40			40	60	92	84	1	0.12	-
2	72	42			41	62	85	84	19	0.12	-
3	74	44			42	60	85	80	19	0.14	-
4	74	40			37	60	77	89	26	0.13	-
5	70	44			42	63	79	95	31	0.12	-
6	74	46			45	65	93	95	22	0.13	-
7	75	45			44	65	85	95	29	0.13*	-
8	74	44			43	63	85	95	31	0.14	-
9	74	44			42	60	85	89	27	0.14	-
10	70	44			44	60	92	89	26	0.10	-
11	68	44			42	62	85	89	31	0.10	-
12	72	46			33	61	53	84	35	0.13	-
13	74	44			45	65	86	95	25	0.13	-
14	74	40			41	65	73	95	24	0.13	-
15	74	44			43	65	85	95	24	0.14	-
16	72	44			41	63	79	95	31	0.13	-
17	72	42			42	64	79	100	28	0.13	-
18	76	41			41	60	92	89	22	0.14	-
19	72	40			39	63	84	100	22	0.13	-
20	74	41			41	61	92	94	23	0.12	-
21	74	40			39	62	84	100	14	0.13	-
22	68	40			41	60	92	94	29	0.12	-
23	68	38			36	59	83	89	27	0.10	-
24	68	36			35	60	76	89	25	0.10	-
25	68	38			38	60	91	94	14	0.10	-
26	70	38			35	58	83	100	23	0.10	-
27	68	38			30	55	74	94	21	0.11	-
28	66	38			37	56	91	94	24	0.10	-
29	66	39			47	55	93	83	24	0.10	-
30	64	46			45	57	86	89	46	0.12	-
31	66	46			46	59	86	89	53	0.13	-
Tot:										3.76	0.00
Ave:	71	42							26		

* Estimated evaporation.

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Location Latitude 30°57', Longitude 70°57', near Canal Colony.

Elevation 490 ± ft.msl.

Period of record February 1962 to date, observatory established by Surface Water Hydrology WAPDA. Also rainfall station of Pakistan Meteorological Services.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.

Annual figures

Precipitation	8.20 inches
Evaporation (Pan)	112.21 inches
Absolute maximum air temperature	116
Absolute minimum air temperature	33

Remarks Annual figures calculated by estimati the days for which record was missing or not observed. Observations of prec pitation, pan evaporation, maximum an minimum temperatures are taken at 080 hours and stand for 24 hour period pr ceding 0800 of the day.

Relative humidities and dew point tem ratures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date show Blank space indicates no record.
(-) indicates no precipitation.

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January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches
1	75	40			46	42	85	34		0.10
2	74	42			43	44	73	35		0.09
3	75	41			42	43	72	37		0.09
4	72	39			46	43	85	37		0.09
5	72	38			36	39	63	32		0.10
6	73	38			38	37	70	31		0.09
7	72	37			43	46	85	43		0.09
8	70	37			39	47	70	47		0.08
9	70	35			36	44	69	42		0.08
10	69	34			39	48	77	50		0.08
11	70	33			41	53	71	60		0.09
12	71	34			46	51	79	56		0.09
13	70	36			43	51	78	59		0.08
14	68	35			42	52	78	63		0.07
15	67	36			41	54	77	68		0.07
16	68	37			39	51	70	62		0.08
17	66	36			40	50	77	62		0.07
18	66	38			41	51	77	62		0.07
19	67	35			42	53	78	68		0.09
20	68	37			43	56	78	73		0.09
21	66	36			45	54	79	73		0.08
22	65	38			43	53	78	72		0.08
23	64	39			42	55	78	77		0.07
24	68	35			43	51	73	62		0.10
25	70	36			42	50	72	55		0.10
26	70	40			43	45	73	40		0.10
27	78	43			46	50	85	46		0.14
28	80	33			34	42	62	34		0.16
29	75	36			36	36	53	28		0.16
30	78	38			39	35	65	23		0.16
31	83	40			46	42	74	27		0.19
Tot:										3.03
Ave:	71	37								

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	42			45	40	73	26		0.19	-
2	80	40			37	26	60	16		0.17	-
3	77	45			43	44	78	35		0.16	-
4	76	44			45	48	73	40		0.16	-
5	77	47			46	49	74	40		0.17	-
6	76	46			47	51	80	47		0.16	-
7	75	45			48	28	80	58		0.15	-
8	74	42			45	53	68	53		0.14	-
9	75	37			37	36	64	28		0.14	-
10	76	39			40	28	71	19		0.15	-
11	77	41			43	36	73	25		0.17	-
12	76	42			40	36	71	28		0.16	-
13	79	47			48	39	86	28		0.18	-
14	78	48			49	44	86	33		0.18	-
15	80	49			46	49	79	40		0.18	-
16	77	44			49	53	86	47		0.16	-
17	79	48			49	54	80	46		0.17	-
18	80	47			48	54	75	43		0.17	-
19	80	49			50	52	81	42		0.18	-
20	79	47			48	49	80	40		0.18	-
21	77	44			47	51	80	41		0.17	-
22	80	47			48	54	80	48		0.19	-
23	79	48			49	57	80	49		0.18	-
24	80	47			50	56	81	46		0.19	-
25											
26											
27											
28											
Tot:											
Ave:											

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March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					50	52	87	38		0.21*	-
2	82	54			54	54	88	41		0.20	-
3	82	50			51	49	76	34		0.21	-
4	81	51			53	57	76	47		0.21	-
5	81	53			54	52	88	38		0.20	-
6	83	52			51	51	76	35		0.22	-
7	83	56			56	54	88	41		0.22	-
8	84	54			55	50	88	33		0.23	-
9	84	52			55	47	82	30		0.23	-
10	84	53			54	54	88	41		0.24	-
11	82	50			53	46	82	29		0.23	-
12	84	52			52	47	81	30		0.24	-
13	85	55			53	54	82	37		0.26	-
14	87	58			55	52	73	32		0.27	-
15	90	57			55	56	73	32		0.32	-
16	100	60			59	62	57	34		0.36	-
17	98	63			57	59	53	30		0.38	-
18	100	62			61	63	63	46		0.40	-
19	90	56			61	56	84	36		0.40	-
20	88	60			58	61	70	51		0.32	-
21	82	62			63	61	89	49		0.22	-
22	84	58			59	60	88	48		0.28	-
23	88	61			62	50	89	31		0.28	-
24	92	62			62	58	94	39		0.30	0.05
25	94	63			64	57	94	34		0.31	1.02
26	96	64			63	57	80	33		0.29	0.04
27	98	62			59	57	62	27		0.34	-
28	100	64			57	60	53	31		0.38	-
29	100	64			60	50	60	25		0.40	-
30					55	57	69	53		0.28	-
31.	93	58			60	54	79	37		0.30	-
Tot:										8.73	1.11
Ave:											

* Estimated evaporation.

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April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	59			57	50	74	31		0.32	-
2	98	61			58	41	66	17		0.40	-
3	101	61			57	39	70	14		0.40	-
4	102	62			59	51	66	21		0.38	-
5	100	58			57	55	58	30		0.40	-
6	95	60			55		58	17		0.38	-
7	100	62			53	42	45	15		0.37	-
8	102	63			54	48	43	17		0.42	-
9	103	69			66	62	69	34		0.43	-
10	97	68			68	65	69	25		0.44	0.07
11	91	64			63	60	84	54		0.27	0.15
12	88	64			63	58	80	16		0.32	-
13	82	61			63	61	80	51		0.18	0.20
14	91	66			63	62	72	41		0.28	-
15	96	68			65	65	72	49		0.30	-
16	89	65			67	63	77	46		0.27	-
17	92	61			61	63	63	50		0.36	-
18	90	58			61	63	67	50		0.32	-
19	92	58			54	62	54	50		0.34	-
20	90	65			61	64	63	48		0.30	0.02
21	88	57			45	61	36	47		0.32	-
22	87	56			58	63	56	47		0.33	-
23	94	58			57	61	55	36		0.40	-
24	95	60			60	59	60	34		0.41	-
25	94	58			55	56	51	29		0.38	-
26	96	62			61	62	67	41		0.42	-
27	95	61			59	64	59	44		0.45	-
28	99	66			64	61	72	36		0.44	-
29	95	60			55	62	49	50		0.45	-
30	85	58			60	64	67	59		0.38	-
Tot:										10.86	0.44
Ave:	94	62									

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	84	60			57	63	58	58		0.40	-
2	86	59			54	65	51	59		0.42	-
3	85	60			58	64	59	59		0.41	-
4	89	62			58	63	67	50		0.45	-
5	88	62			59	68	57	58		0.46	-
6	104	70			68	68	66	38		0.53	-
7	107	70			67	73	47	39		0.60	-
8	110	75			72	76	59	41		0.75	-
9	109	76			73	72	59	38		0.70	-
10	106	72			67	77	49	76		0.60	0.10
11	94	68			62	69	50	42		0.25	0.09
12	102	70			69	72	70	59		0.42	-
13	90	62			53	64	40	59		0.46	-
14	82	63			57	62	55	55		0.38	-
15	85	61			59	62	62	50		0.44	-
16	90	65			63	61	72	42		0.46	-
17	95	67			65	59	69	31		0.50	-
18	104	73			69	66	64	36		0.54	-
19	102	70			68	67	70	40		0.52	-
20	101	69			65	70	59	44		0.53	-
21	102	66			63	67	46	33		0.54	-
22	104	68			61	64	47	29		0.55	-
23	108	73			71	71	61	35		0.59	-
24	106	70			70	69	61	34		0.52	-
25	104	71			67	71	57	35		0.51	-
26	109	74			74	72	68	33		0.58	-
27	116	79			77	74	67	31		0.60	-
28	114	75			71	76	51	34		0.60	-
29	116	79			77	73	63	29		0.58	-
30	115	80			78	75	67	30		0.59	-
31	116	80			80	74	74	31		0.60	-
Tot:										16.08	0.19
Ave:	101	69									

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June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	115	77			76	73	66	39		0.59	-
2	111	80			75	76	55	41		0.57	-
3	112	78			77	78	69	46		0.58	-
4	108	77			73	75	57	41		0.56	-
5	107	76			73	76	62	45		0.52	-
6	106	74			71	73	58	40		0.50	-
7	111	72			70	74	61	33		0.54	-
8	115	80			77	76	67	38		0.60	-
9	114	78			77	78	69	44		0.58	-
10	112	77			53	76	59	43		0.57	-
11	113	79			77	77	67	42		0.60	-
12	114	80			78	77	67	45		0.59	-
13	107	78			76	76	63	45		0.56	-
14	109	79			78	76	73	43		0.57	-
15	112	81			81	78	77	41		0.61	-
16	111	80			82	82	77	51		0.60	-
17	108	81			80	82	74	49		0.61	-
18	110	82			81	83	74	48		0.62	-
19	113	83			81	81	68	45		0.64	-
20	114	84			83	85	74	52		0.65	-
21	116	85			84	84	71	50		0.66	-
22	114	83			82	82	71	47		0.60	-
23	111	80			78	82	64	58		0.56	-
24	104	80			77	81	67	55		0.50	-
25	108	80			78	83	64	53		0.53	-
26	114	82			80	87	65	53		0.66	-
27	116	84			80	89	82	57		0.70	-
28	115	82			80	87	62	55		0.70	-
29	105	80			78	80	73	57		0.52	0.02
30	105	80			79	80	70	50		0.50	-
Tot:										17.59	0.02
Ave:	111	80									

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	81			79	79	70	52		0.42	-
2	104	75			72	76	62	51		0.32	0.15
3	103	78			76	81	63	53		0.38	-
4	110	84			82	81	68	43		0.50	-
5	114	86			85	82	78	42		0.60	-
6	114	87			88	87	85	55		0.61	-
7	111	86			87	87	81	55		0.58	-
8	111	85			84	85	71	52		0.57	-
9	110	86			85	88	78	69		0.56	-
10	107	84			83	86	74	69		0.50	-
11	105	82			81	82	70	55		0.50	-
12	110	80			80	82	76	58		0.55	-
13	106	82			82	83	80	60		0.48	-
14	108	84			83	84	74	60		0.50	-
15	108	78			76	79	63	56		0.41	0.10
16	100	80			79	85	73	66		0.33	-
17	103	85			83	87	74	66		0.38	-
18	109	86			81	82	70	58		0.48	-
19	107	87			81	83	84	58		0.49	-
20	107	87			81	83	80	63		0.50	-
21					81	84	68	60		0.51	-
22	107	87			81	85	84	66		0.51	-
23	107	84			81	88	80	69		0.49	-
24	107	83			78	67	83	69		0.46	-
25					77	78	91	56		0.44	-
26					77	78	67	56		0.46	-
27	102	80			78	76	69	45		0.40	-
28	104	80			75	74	79	57		0.43	0.11
29	94	75			69	68	73	45		0.37*	3.80
30	100	78			69	68	70	38		0.35	-
31					76	75	63	43		0.36	-
Tot:										14.44	4.16
Ave:											

*- Estimated evaporation.

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	88			76	77	58	45		0.40	-
2	107	86			78	78	64	49		0.41	-
3											
4											
5											
6											
7											
8											
9											
10	102	85			72	81	62	59		0.43	-
11	106	87			76	81	66	53		0.45	-
12	105	87			76	77	63	58		0.42	-
13	98	83			78	80	79	76		0.48	1.60
14	93	85			77	82	72	77		0.28	-
15	100	85			77	82	76	80		0.27	0.02
16	92	85			79	80	76	74		0.27	-
17	94	84			79	80	80	74		0.30	-
18	100	85			74	77	68	63		0.37	-
19	97	83			77	79	72	73		0.33	-
20	96	83			72	76	65	66		0.35	-
21	93	63			66	73	51	59		0.33	-
22	99	84			69	77	55	58		0.37	-
23	101	84			73	75	62	53		0.38	-
24	103	84			75	74	65	44		0.40	-
25	102	85			73	77	62	54		0.39	-
26	101	84			77	75	72	49		0.41	-
27	103	85			74	78	68	59		0.41	-
28	98	84			77	71	72	51		0.37	-
29	99	82			78	69	79	46		0.39	-
30	100	83			79	72	80	47		0.40	-
31	102	86			78	77	73	54		0.41	-
Tot:											
Ave:											

LEIAH

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	85			77	77	72	54		0.42	-
2	101	86			75	78	65	53		0.40	-
3	104	85			77	79	72	54		0.39	-
4	105	84			79	78	76	56		0.43	-
5	10[illegible]	86			74	77	65	58		0.41	-
6	103	85			77	77	76	54		0.42	-
7	101	84			77	78	76	56		0.40	-
8	100	85			75	76	69	58		0.39	-
9	103	83			76	74	72	48		0.39	-
10	102	84			77	77	76	58		0.41	-
11	100	84			75	77	69	67		0.40	-
12	99	83			74	74	68	52		0.38	-
13	103	85			72	72	62	45		0.40	-
14	101	83			73	74	63	68		0.38	-
15	100	80			74	74	75	57		0.37	-
16	98	80			72	76	68	63		0.36	-
17	97	82			75	77	72	69		0.36	-
18	95	81			77	77	79	72		0.35	-
19	97	77			77	77	79	67		0.34	-
20	96	77			76	76	79	66		0.32	-
21	99	78			73	76	75	63		0.34	-
22	101	79			74	76	75	58		0.34	-
23	98	76			76	75	83	60		0.31	-
24	99	78			77	77	79	67		0.32	-
25	97	74			68	71	63	56		0.30	-
26	98	75			69	73	70	57		0.31	-
27	99	76			71	75	70	63		0.32	-
28	100	77			76	76	83	63		0.33	-
29	98	75			70	75	67	63		0.32	-
30	99	76			72	72	74	54		0.30	-
Tot:										10.91	0.00
Ave:	100	81									

LEIAH

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	73			73	71	78	54		0.28	-
2	96	69			69	68	73	50		0.24	0.65
3	96	68			66	67	69	52		0.27	-
4	97	67			69	66	81	51		0.28	-
5	96	68			69	63	86	43		0.27	-
6	96	69			67	69	77	44		0.26	-
7	95	67			69	61	90	42		0.25	-
8	95	66			67	62	81	45		0.23	-
9	96	66			66	61	80	44		0.23	-
10	96	65			65	59	80	44		0.22	-
11	95	67			65	60	76	42		0.22	-
12	93	64			63	57	80	40		0.21	-
13	94	64			65	60	80	46		0.21	-
14	94	66			64	63	76	53		0.21	-
15	95	64			60	61	60	51		0.22	-
16	91	62			60	58	70	50		0.20	0.01
17	93	62			57	55	62	43		0.20	-
18	91	61			58	56	66	44		0.19	-
19	89	62			61	64	71	61		0.18	-
20	92	63			61	63	67	59		0.18	-
21	93	64			63	62	75	58		0.19	-
22	90	62			60	57	70	38		0.18	-
23	94	63			64	58	76	35		0.18	-
24	95	65			64	63	76	53		0.19	-
25	94	64			61	60	67	46		0.18	-
26	96	62			61	58	71	48		0.19	-
27	94	61			60	58	70	45		0.17	-
28	95	63			59	61	71	54		0.17	-
29	96	62			60	64	63	59		0.18	-
30	93	60			59	63	62	58		0.18	-
31	91	61			62	62	75	58		0.19	-
Tot:										6.55	0.66
Ave:	94	65									

LEIAH

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	58			65	53	61	38		0.19	-
2	93	61			59	56	74	44		0.20	-
3	92	62			57	58	58	45		0.20	-
4	90	60			57	57	65	47		0.18	-
5	88	56			56	55	78	43		0.15	-
6	86	52			56	54	82	43		0.14	-
7	87	51			55	55	82	43		0.14	-
8	88	52			53	59	82	57		0.15	-
9	86	53			56	55	82	43		0.15	-
10	85	49			49	55	75	51		0.13	-
11	82	50			47	61	69	57		0.12	-
12	87	56			59	62	94	71		0.14	-
13	84	56			56	63	39	75		0.13	-
14	84	54			55	62	77	75		0.15	-
15	83	53			55	59	82	62		0.14	-
16	84	54			56	59	82	66		0.16	-
17	85	53			53	58	76	66		0.17	-
18	84	50			50	55	76	61		0.17	-
19	83	51			51	52	81	53		0.16	-
20	78	49			48	51	75	56		0.15	-
21	80	47			45	49	68	54		0.15	-
22	76	40			39	35	65	32		0.14	-
23	78	41			36	41	58	38		0.14	-
24	77	42			39	41	70	41		0.13	-
25	78	40			35	45	62	49		0.13	-
26	79	39			35	35	62	30		0.14	-
27	77	38			35	44	68	43		0.13	-
28	76	37			36	44	75	45		0.12	-
29	76	36			29	43	53	44		0.12	-
30	75	36			40	41	84	49		0.13	-
Tot:										4.45	0.00
Ave:	83	49									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	37			36	40	69	42		0.12	-
2	76	36			37	38	76	44		0.12	-
3	75	35			35	45	62	49		0.11	-
4	78	38			32	40	61	42		0.10	-
5	75	36			30	35	54	36		0.09	-
6	74	34			31	41	60	49		0.10	-
7	78	36			26	51	42	66		0.10	-
8	77	35			32	44	55	55		0.09	-
9	74	33			32	43	61	47		0.08	-
10	75	36			33	44	56	55		0.10	-
11	76	35			28	48	48	53		0.09	-
12	77	36			31	49	50	54		0.10	-
13	79	38			33	45	51	49		0.11	-
14	76	36			35	48	57	50		0.09	-
15	75	34			39	44	65	55		0.09	-
16	76	36			37	44	59	48		0.08	-
17	78	35			36	45	69	49		0.10	-
18	80	34			37	48	76	50		0.09	-
19	78	35			38	44	76	45		0.08	-
20	76	34			34	45	68	46		0.09	-
21	77	36			38	48	76	50		0.09	-
22	78	37			35	51	68	59		0.09	-
23	74	36			36	45	75	46		0.08	-
24	75	35			37	49	76	54		0.09	-
25	72	37			36	49	75	58		0.09	-
26	73	35			37	45	76	49		0.09	-
27	74	36			35	47	68	49		0.08	-
28	72	36			39	41	77	41		0.08	-
29	73	38			39	45	70	49		0.09	-
30	70	37			41	43	77	47		0.08	-
31	72	36			38	38	76	38		0.09	-
Tot:										2.88	0.00
Ave:	75	36									

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Location	Latitude 30°22', Longitude 67°30', near WAPDA Camp at Mangi village.
Elevation	
Period of record	Station established by Surface Water Hydrology Project in November 1969.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

MANGI

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	62	31			19	13	47	19	45	0.16	-
2	62	31			27	27	72	35	39	0.16	-
3	64	34			18	23	38	33	36	0.15	-
4	66	42	62	42	37	25	60	29	69	0.15	-
5	60	42	68	54	34	29	58	31	76	0.12	-
6	64	41	58	39	26	27	53	30	76	0.20	-
7	64	38	58	38	20	18	48	19	50	0.15	-
8	66	38	62	37	22	37	45	45	41	0.17	-
9	60	38	60	38	23	37	51	52	44	0.14	-
10	60	40	55	37	12	10	27	21	85	0.17	-
11	54	32	55	35	18	19	38	27	27	0.21	-
12	60	30	58	35	20	7	48	21	46	0.18	-
13	62	34	58	35	10	27	21	38	126	0.24	-
14	62	32	56	35	7	10	29	17	46	0.18	-
15	60	32	57	30	25	23	63	33	39	0.19	-
16	60	31	54	34	18	15	38	24	42	0.14	-
17	62	34	57	34	20	32	48	39	40	0.17	-
18	66	35	60	35	16	9	40	15	34	0.15	-
19	63	34	59	34	20	23	48	30	92	0.22	-
20	65	37	58	34	5	19	21	27	83	0.23	-
21	60	35	55	33	12	25	37	34	115	0.28	-
22	62	34	57	32	23	31	62	44	53	0.18	-
23	63	34	59	32	25	27	57	35	69	0.20	-
24	61	35	58	35	23	29	55	36	99	0.22	-
25	63	36	57	35		35		51	37	0.15	-
26	62	36	58	34	23	27	55	43	32	0.14	-
27	63	37	60	33	24	25	56	34	59	0.17	-
28	54	30	56	82	21	37	60	60	36	0.15	-
29	55	33	56	34	35	38	83	85	47	0.06	-
30	52	36	53	38	31	44	81	85	20	0.04	-
31	52	32	47	35	31	39	90	67	11	0.03	-
Tot:										5.10	0.00
Ave:	61	35							55		

MANGLA - 1969

Location	Latitude 33°08', Longitude 73°38', near Water Tanks of Mangla Dam Colony on the right bank of Upper Jhelum Canal.
Elevation	1,000 ± ft msl.
Period of record	September 1960 to date, station in present shape established by Surface Water Hydrology Project WAPDA. A 5" Non-recording rain gauge installed by Irrigation Department in 1915 and data available with S.D.O. Mangla Headworks. Observations of evaporation, wind movement, maximum and minimum temperatures, wet and dry bulb thermometers were taken by Irrigation Research Institute from 1955 to July 1958.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 25.19 inches Evaporation (Pan) 82.11 inches Absolute maximum air temperature 111 °F Absolute minimum air temperature 41 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

MANGLA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	64	44			35	26	68	31	22	0.08	-
2	63	42			32	26	61	28	26	0.09	-
3	65	42			33	32	67	37	7	0.08	-
4	65	41			32	33	66	38	6	0.08	-
5	67	42			30	30	59	36	7	0.09	-
6					32	35	61	45	17	0.10	-
7					37	38	64	41	12	0.07	-
8	66	44			35	35	68	36	30	0.09	-
9					39	35	65	34	20	0.09	-
10	67	49			34	28	52	25	37	0.12	-
11	68	45			28	35	48	42	32	0.12	-
12	62	47			36	45	53	73	13	0.07	-
13	57	46			42	40	78	65	44	0.02	0.16
14	55	41			35	41	62	53	25	0.04	0.13
15	61	44			36	33	69	35	13	0.06	-
16	65	41			34	38	68	41	16	0.08	-
17	66	44			40	40	65	42	12	0.08	-
18	67	43			39	37	70	40	30	0.09	-
19	64	45			35	37	62	35	12	0.07	-
20	68	46			28	36	44	26	12	0.09	-
21					33	37	51	43	11	0.11	-
22	62	48			36	39	58	32	16	0.07	-
23	74	48			33	36	47	28	14	0.10	-
24					41	41	61	38	21	0.11	-
25	70	51			43	43	58	47	25	0.09	-
26	68	58			43	48	44	65	41	0.12	-
27	66	53			35	40	45	45	98	0.10	-
28	67	46			36	21	63	63	25	0.11	-
29	69	47			33	30	56	28	25	0.13	-
30	66	44			32	26	55	19	11	0.09	-
31	72	46			34	50	44	76	27	0.13	-
Tot:										2.77	0.29
Ave:									23		

MANGLA

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	60	51			49	46	86	64	57	0.07	0.56
2	61	45			36	38	63	41	21	0.06	-
3	65	45			35	35	62	36	19	0.09	-
4	66	46			41	37	77	37	24	0.09	-
5	66	46			37	30	64	28	37	0.12	-
6	68	44			33	25	56	22	15	0.12	-
7	70	46			34	30	52	23	15	0.14	-
8	72	46			33	25	51	21	16	0.13	-
9	71	49			27	30	40	26	28	0.15	-
10	68	50			36	38	53	44	35	0.13	-
11	66	51			41	35	61	39	91	0.15	-
12	63	52			38	41	51	49	98	0.13	-
13	63	54			46	46	69	64	122	0.14	0.05
14	59	51			47	47	80	65	156	0.05	0.50
15	62	52			46	48	74	65	118	0.09	-
16	63	53			48	50	75	87	145	0.11	-
17	61	51			47	48	80	65	153	0.04	0.21
18	62	52			47	38	80	41	140	0.11	-
19	66	50			43	35	73	34	103	0.15	-
20	68	49			41	39	66	36	87	0.17	-
21	70	51			41	45	61	59	111	0.19	-
22	62	52			43	41	67	43	104	0.12	-
23	68	54			46	47	69	61	105	0.16	-
24	63	55			46	48	69	65	108	0.11	-
25	64	54			48	49	70	58	105	0.11	0.13
26	69	56			48	49	70	61	96	0.16	0.01
27											0.23
28											-
Tot:											1.69
Ave:											

MANGLA

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1					46	45	64	49	347 +	0.20*	-
2	71	56			47	43	69	39	101	0.17	-
3	72	57			47	48	65	50	106	0.20	-
4	73	58			44	39	48	23	101	0.22	-
5	84	58			47	46	61	41	88	0.25	-
6	75	60			50	49	62	45	111	0.21	-
7	76	60			51	39	62	23	92	0.24	-
8	84	59			47	48	62	42	88	0.28	-
9	86	60			47	45	62	38	98	0.29	-
10	78	62			43	46	41	34	103	0.25	-
11	86	61			47	42	57	27	106	0.30	-
12	89	62			45	42	46	28	120	0.33	-
13	80	63			49	49	58	40	115	0.30	-
14	79	63			43	46	47	33	142	0.32	-
15	86	64			49	53	54	45	124	0.34	-
16	82	64			50	55	58	51	118	0.29	-
17	79	64			51	51	49	41	117	0.28	-
18	80	65			55	58	69	83	147	0.32	-
19	68	60			57	59	83	74	151	0.08	0.32
20	76	58			49	44	61	35	125	0.18	0.03
21	78	58			51	54	66	60	84	0.23	-
22	74	61			55	53	73	64	127	0.24	-
23	68	58			52	57	67	69	119	0.08	0.12
24	73	61			53	53	56	47	95	0.22	-
25	77	62			59	57	89	65	113	0.25	0.05
26	76	56			49	54	61	60	137	0.17	0.35
27	74	57			52	46	71	41	102	0.20	-
28	72	60			50	50	58	48	113	0.26	-
29	76	62			50	53	58	56	90	0.28	-
30	78	62			49	43	54	29	112	0.29	-
31	82	66			46	46	41	39	120	0.35	-
Tot:										7.62	0.87
Ave:											

\+ Three days observation.
* Estimated evaporation.

MANGLA

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M.	Relative Humidity Percent 8 A.M	5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	81	64			35	46	21	34	117	0.34	-
2	91	62			51	45	52	32	111	0.38	-
3	86	62			48	45	50	32	127	0.34	-
4	78	63			48	47	50	37	113	0.36	-
5	78	66			42	47	36	35	133	0.37	-
6	88	62			48	48	47	33	130	0.32	-
7	82	68			47	51	37	24	64	0.40	-
8	94	70			57	49	55	24	31	0.32	-
9	96	70			59	51	51	24	33	0.34	-
10	96	76			52	51	74	26	62	0.36	-
11	96	78			50	55	74	41	79	0.36	-
12	84	66			59	58	59	56	74	0.20	-
13	82	68			53	49	45	26	30	0.16	-
14	93	73			56	49	46	24	44	0.34	-
15	96	68			63	57	80	40	40	0.35	0.05
16	86	67			57	55	53	61	47	0.20	-
17	79	61			50	39	46	19	33	0.12	-
18	89	64			44	36	35	17	45	0.32	-
19	88	72			39	50	24	39	61	0.34	-
20	83	62			56	45	78	46	97	0.22	0.05
21	69	60			50	41	58	25	112	0.14	0.60
22	83	62			48	39	47	20	30	0.25	-
23	86	62			44	31	35	14	23	0.29	-
24	89	68			61	27	24	11	54	0.36	-
25	91	73			35	34	21	15	55	0.40	-
26	92	69			44	36	33	16	42	0.36	-
27	93	70			49	38	40	18	23	0.32	-
28	89	69			53	60	45	67	76	0.30	0.04
29	89	59			53	43	72	37	110	0.17	1.43
30	72	58			46	49	56	40	61	0.19	-
Tot:										8.92	2.17
Ave:	87	66							69		

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	77	60			44	41	42	24	55	0.23	-
2	84	62			52	49	53	30	39	0.28	-
3	88	69			56	50	52	31	43	0.30	-
4	88	72			53	51	45	27	27	0.25	-
5	92	73			52	51	38	24	22	0.29	-
6	94	72			55	52	43	23	28	0.34	-
7	98	77			60	55	46	25	26	0.36	-
8	98	82			62	56	45	26	61	0.42	-
9	99	81			55	51	34	27	42	0.39	-
10	95	74			56	56	40	29	128	0.45	0.01
11	96	76			62	57	50	40	9	0.23	-
12	98	69			57	54	49	35	83	0.39	0.09
13	89	64			59	55	79	64	106	0.22	0.65
14	72	62			54	57	57	55	115	0.07	0.63
15	76	62			55	60	61	42	38	0.13	0.61
16	87	68			55	47	51	25	26	0.24	-
17	89	70			45	51	27	26	74	0.39	-
18	96	74			56	53	46	38	21	0.32	-
19	86	71			52	54	42	37	65	0.24	-
20	87	72			57	51	47	24	47	0.27	-
21	96	74			56	55	40	24	13	0.29	-
22	100	80			57	50	38	22	28	0.36	-
23	102	78			49	44	30	16	33	0.40	0.02
24	100	72			59	47	41	16	14	0.36	-
25	105	80			46	44	23	14	51	0.49	-
26	103	79			52	47	29	15	46	0.46	-
27	105	82			50	49	25	15	37	0.48	-
28	107	79			49	49	26	15	46	0.53	-
29	107	81			55	48	30	16	26	0.46	-
30	106	80			56	53	29	18	39	0.47	-
31	107	83			61	59	67	25	38	0.49	-
Tot:										10.60	2.01
Ave:	94	73							46		

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June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	82			59	55	33	19	100	0.56	-
2	106	86			55	55	27	21	34	0.47	-
3	104	86			56	50	31	23	56	0.49	-
4	102	80			54	47	32	16	74	0.45	-
5	104	82			46	45	24	15	50	0.50	-
6	103	76			54	57	32	21	20	0.38	-
7	107	80			48	49	24	15	20	0.43	-
8	109	83			48	44	22	20	34	0.51	-
9	108	79			54	47	27	15	31	0.49	-
10	108	83			53	47	27	16	24	0.44	-
11	109	88			51	54	24	20	45	0.52	-
12	106	81			51	50	27	16	49	0.50	-
13	105	82			59	55	34	21	18	0.42	-
14	107	75			59	60	40	26	35	0.48	0.29
15	105	84			53	52	30	17	35	0.44	-
16	108	82			56	54	32	18	34	0.46	0.04
17	109	88			56	56	28	20	24	0.46	-
18	108	85			60	58	34	20	41	0.50	-
19	109	87			56	57	29	21	32	0.50	-
20	106	86			60	74	31	15	20	0.34	0.07
21	111	88			39	52	14	17	26	0.48	-
22	108	85			51	53	24	18	37	0.49	-
23	106	72			55	49	43	19	96	0.54	0.14
24	100	74			59	51	37	18	49	0.30	-
25	106	84			58	51	32	16	13	0.35	-
26	108	83			60	55	34	19	26	0.45	-
27	107	84			61	60	35	26	50	0.53	-
28	103	80			57	59	37	28	79	0.49	-
29	99	82			59	56	36	23	22	0.30	-
30	102	79			59	59	46	33	43	0.42	-
Tot:										13.69	0.54
Ave:	106	82							41		

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	75			67	61	73	33	31	0.21	0.14
2	96	76			63	58	43	24	28	0.18	-
3	103	82			67	62	49	27	27	0.41	-
4	104	86			64	66	36	63	17	0.35	-
5	103	78			64	63	44	28	77	0.53	-
6	106	88			66	64	39	26	37	0.36	-
7	108	86			71	69	51	34	64	0.52	-
8	104	77			68	72	55	38	60	0.48	-
9	103	79			68	69	52	42	68	0.44	-
10	99	76			72	68	78	38	61	0.34	0.23
11	100	77			72	65	90	38	21	0.30	0.03
12	95	73			75	69	65	40	19	0.25	0.42
13	99	84			71	68	54	35	58	0.40	-
14	103	78			69	69	70	42	59	0.42	-
15	98	79			73	71	65	49	35	0.32	-
16	95	80			72	70	65	41	64	0.35	-
17	99	84			73	73	59	42	51	0.35	-
18	101	85			73	72	62	43	77	0.40	-
19	99	87			76	74	63	42	58	0.34	-
20	103	84			75	75	69	57	67	0.40	-
21	94	80			80	77	96	91	57	0.30	0.90
22	85	78			78	76	83	72	13	0.06	0.64
23	87	76			77	78	79	69	28	0.12	0.92
24	91	74			75	73	95	71	52	0.24	1.24
25	84	76			74	73	87	68	32	0.08	0.24
26	86	77			74	76	71	63	38	0.15	0.02
27	91	80			75	74	75	60	25	0.25	-
28	92	72			71	69	95	50	42	0.30	1.50
29	91	73			74	73	71	52	40	0.20	0.03
30	94	80			76	73	72	48	11	0.22	-
31	98	81			75	73	65	44	12	0.26	-
Tot:										9.53	6.31
Ave:	97	79							43		

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August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	83			76	74	66	52	8	0.29	-
2	102	86			77	47	67	44	6	0.26	-
3	101	81			74	74	71	60	73	0.42	-
4	92	82			75	75	65	49	53	0.29	-
5	100	86			77	75	67	49	25	0.32	-
6	99	81			76	75	79	72	56	0.31	0.01
7	87	78			73	73	82	65	72	0.19	-
8	88	79			75	76	72	63	13	0.10	-
9	92	82			76	75	79	69	43	0.24	-
10	88	81			76	76	79	66	49	0.20	-
11	90	82			76	77	75	56	41	0.21	-
12	96	74			73	76	95	87	28	0.30	2.40
13	83	75			78	77	87	72	7	0.04	0.08
14	88	80			79	79	87	70	15	0.13	-
15	91	80			77	78	83	87	19	0.15	0.23
16	84	73			76	77	83	67	8	0.08	3.70
17	91	80			76	76	79	63	14	0.25	-
18	93	80			75	78	83	69	31	0.27	-
19	90	72			70	78	74	69	32	0.23	0.34
20	90	71			73	75	78	65	25	0.24	0.44
21	89	80			73	77	71	69	8	0.13	-
22	91	75			67	69	63	50	21	0.19	-
23	93	77			76	73	79	54	5	0.22	-
24	95	80			75	71	75	51	8	0.25	-
25	96	76			71	74	74	55	18	0.27	-
26	94	72			71	70	78	51	20	0.25	0.10
27	95	77			75	72	75	49	6	0.21	-
28	96	80			72	74	65	55	20	0.26	-
29	99	81			75	71	69	43	14	0.26	-
30	100	82			74	72	65	43	13	0.27	-
31	101	81			79	69	62	40	10	0.28	-
Tot:										7.11	7.30
Ave:	93	79							25		

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September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	82			74	71	65	43	11	0.28	-
2	100	81			76	73	72	42	13	0.26	-
3	100	80			70	67	61	40	13	0.26	-
4	100	79			68	71	58	43	27	0.33	-
5	101	82			71	64	58	61	9	0.25	-
6	102	72			67	69	57	64	29	0.28	1.34
7	94	71			65	72	80	65	38	0.15	0.17
8	87	70			66	71	63	54	13	0.08	0.10
9	94	68			66	75	90	65	25	0.22	0.60
10	90	69			71	72	78	62	10	0.16	-
11	92	76			71	71	74	67	15	0.24	-
12	89	76			73	70	78	48	33	0.25	-
13	94	80			76	71	75	51	11	0.22	-
14	95	78			73	71	71	64	15	0.26	-
15	94	69			66	70	85	74	39	0.24	0.82
16	87	71			68	61	77	42	21	0.14	-
17	90	70			67	63	73	43	6	0.20	-
18	91	72			68	65	73	44	7	0.20	-
19	93	74			72	65	74	44	7	0.22	-
20	92	76			71	67	70	45	17	0.24	-
21	94	75			71	67	70	45	8	0.21	-
22	95	74			71	67	74	45	5	0.20	-
23	95	77			72	63	71	41	11	0.22	-
24	94	74			65	65	65	46	22	0.25	-
25	91	75			64	62	59	45	24	0.24	-
26	94	70			64	59	65	36	5	0.18	-
27	93	74			67	61	69	39	14	0.22	-
28	94	76			67	63	66	39	14	0.23	-
29	93	76			68	65	66	42	17	0.22	-
30	94	75			70	65	74	44	15	0.22	-
Tot:										6.67	3.03
Ave:	94	75							16		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	76			67	63	60	43	13	0.23	-
2	95	69			63	59	68	41		0.26	0.42
3	88	74			64	59	61	40	16+	0.20	-
4	91	74			56	61	46	43	14	0.20	-
5	92	70			62	59	64	37	10	0.21	-
6	93	70			63	62	64	41	7	0.20	-
7	93	71			64	61	65	40	6	0.18	-
8	93	72			64	64	65	44	7	0.19	-
9	94	71			67	63	73	43	4	0.17	-
10	95	74			66	61	69	40	8	0.19	-
11	94	73			64	57	65	47	5	0.17	-
12	90	72			55	60	51	42	73	0.27	-
13	91	70			61	57	63	38	7	0.18	-
14	90	64			57	56	55	46	38	0.21	0.26
15	80	66			54	56	60	52	52	0.09	0.16
16	79	65			59	56	70	46	33	0.07	0.01
17	84	64			57	56	65	44	10	0.13	-
18	87	63			59	51	74	35	4	0.13	-
19	89	64			58	55	70	39	8	0.16	-
20	89	66			54	50	54	31	8	0.17	-
21	90	67			56	48	55	28	12	0.18	-
22	91	66			57	53	55	34	14	0.19	-
23	89	68			61	61	71	47	20	0.19	-
24	88	69			60	61	63	44	15	0.16	-
25	91	65			56	51	61	33	8	0.16	-
26	87	66			59	59	66	41	9	0.15	-
27	89	70			61	58	67	43	19	0.17	-
28	88	72			59	60	53	48	36	0.21	-
29	85	68			57	57	58	42	72	0.18	0.04
30	88	67			52	49	53	34	29	0.19	-
31	88	66			51	51	49	35	22	0.18	-
Tot:										5.57	0.89
Ave:	89	69							19		

\+ Two day observation.

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches
1	88	64			54	55	57	39	10	0.16
2	90	64			56	54	65	37	10	0.17
3	90	63			54	49	60	30	11	0.17
4	91	62			50	55	46	41	7	0.15
5	88	63			55	53	64	40	4	0.11
6	85	66			53	50	56	37	20	0.15
7	85	62			54	59	60	46	12	0.14
8	89	61			55	54	64	41	2	0.13
9	87	62			55	53	64	40	11	0.14
10	86	62			55	61	64	57	6	0.12
11	82	66			56	56	61	46	6	0.08
12	86	62			55	53	64	47	29	0.14
13	84	59			51	58			6	0.11
14	84	60			49	59	58	59	8	0.11
15	80	63			50	52	62	50	5	0.11
16	81	54			40	42	42	34	3	0.12
17	80	54			41	39	46	30	9	0.13
18	80	56			41	45	49	38	10	0.15
19	80	60			39	43	36	37	14	0.12
20	76	58			45	47	55	44	24	0.12
21	76	58			57	46	94	43	9	0.11
22	76	52			37	39	50	36	14	0.11
23	77	52			38	45	55	46	5	0.11
24	78	52			38	37	55	31	7	0.11
25	79	49			37	32	54	24	3	0.08
26	78	48			34	41	52	38	3	0.10
27	78	46			36	39	58	34	5	0.09
28	76	45			35	40	57	37	3	0.10
29	77	46			35	39	57	36	3	0.08
30	77	46			37	41	64	41	0	0.08
Tot:										3.60
Ave:	82	57							9	

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	48			37	36	64	25	2	0.08	-
2	76	48			36	35	58	32	3	0.09	-
3	75	48			33	41	51	43	3	0.09	-
4	70	46			36	43	63	44	9	0.08	-
5	73	48			38	39	60	34	5	0.08	-
6	76	51			38	39	55	32	6	0.11	-
7	78	50			37	37	59	31	6	0.12	-
8	74	48			41	45	71	46	10	0.10	-
9	74	49			42	41	72	38	17	0.11	-
10	73	50			41		57		10	0.08	-
11											-
12											-
13											-
14	78	48			35	43	49	44	24 +	0.35 +	-
15	72	47			36	44	63	45	2	0.08	-
16	72	46			35	41	62	43	2	0.08	-
17	71	41			34	37	48	33	7	0.11	-
18	75	48			36	39	58	36	4	0.11	-
19	74	47			33	41	56	41	7	0.09	-
20	74	44			32	41	61	43	10	0.07	-
21	74	43			34	40	68	42	12	0.08	-
22	71	44			30	37	54	37	2	0.06	-
23	72	41			28	38	52	41	5	0.08	-
24	68	42			27	41	47	46	6	0.07	-
25	71	43			35	35	68	39	6	0.08	-
26	69	41			22	37	43	40	5	0.07	-
27	70	42			33	38	67	41	10	0.06	-
28	69	41			34	38	68	41	12	0.07	-
29	69	42			31	40	60	42	6	0.07	-
30					37	43	59	44	6	0.08	-
31	71	49			34	39	52	36	5	0.09	-
Tot:										2.64	0.00
Ave:									7		

+ Four days observation.

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Location	Latitude 34°12', Longitude 72°03' in the premises of Sugar Cane Research Laboratory, Mardan.
Elevation	1,000 ± ft msl.
Period of record	April 1963 to date, established by Surface Water Hydrology Project WAPDA.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Pyrheliometer. Anemometer.
Annual figures	Precipitation 15.32 inches Evaporation (Pan) 69.18 inches Absolute maximum air temperature 110 °F Absolute minimum air temperature 26 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches
1	58	30			31	46	100	85	240		0.04
2	60	28			38	54	100	88	240		0.04
3	62	28			27	46	100	74	226		0.03
4					29	24	100	29	212		0.03
5	62	26			27	46	100	85	240		0.03
6	64	32			27	45	78	73	198		0.04
7	64	32			38	46	83	74	212		0.05
8	62	30			31	46	100	64	254		0.04
9	64	30			33	43	100	47	212		0.05
10	66	32			31	42	100	62	226		0.05
11	64	30			25	43	77	63	198		0.05
12	64	30			18	49	50	86	198		0.04
13					36	43	100	63	268		0.05
14	58	28			25	39	77	70	254		0.05
15	60	30			33	23	100	24	254		0.04
16	64	28			25	38	77	44	212		0.05
17	66	28			31	45	90	63	240		0.04
18	66	32			34	44	100	55	141		0.05
19	62	30				45		63	240		0.04
20	66	28			25	38	77	44			0.04
21	62	30			31	43	100	63			0.04
22					30	45	89	63			0.05
23					34	53	100	76			0.06
24	60	34			32	46	90	64			0.05
25					46	47	92	80			0.04
26	58	40			47	37	74	30			0.04
27	60	36			26	45	70	65	438		0.05
28	66	28				51		71	367		0.06
29					29	48	89	65	282		0.06
30	66	32			30	44	89	55	353		0.06
31					37	37	83	30	424		0.08
Tot:											1.43
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	56	42			42	40	92	52	141		0.10	0.50
2	62	32			32	45	90	63	282		0.05	-
3	64	32			33	43	90	63	282		0.04	-
4	64	34			34	42	100	62	296		0.07	-
5	62	32			29	45	89	63	339		0.05	-
6	66	30			35	44	74	55	353		0.07	-
7	66	30			30	46	100	64	367		0.07	-
8	68	30			32	48	100	65	339		0.07	-
9	68	32			33	38	100	41	311		0.07	-
10					38	35	100	32	424		0.07	-
11	68	38			35	39	82	34	353		0.07	-
12					44	53	85	76	127		0.08	-
13	64	48			46	46	92	92	42		0.08	0.60
14					48	51	100	93	71		0.05	0.89
15	54	42			44	51	100	71	212		0.08	0.05
16	60	48			46	50	92	87	141		0.07	0.05
17	58	48			46	52	92	93	282		0.12	0.60
18	60	40			40	44	100	48	367		0.04	-
19	64	38			39	46	100	56	325		0.10	-
20	64	38			40	44	100	48	296		0.11	-
21	64	40			38	51	91	76	212		0.10	-
22	62	40			40	48	100	65	353		0.08	-
23	64	40			37	57	91	69	226		0.10	-
24					49	52	95	71			0.10	-
25	62	44			42	51	92	56			0.08	-
26					49	57	86	69			0.09	-
27												-
28					50	60	93	70			0.21 *	-
Tot:											2.22	2.69
Ave:												

* Two days observation.

MARDAN

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches
1	72	40			41	53	100	60		6	0.11
2	70	42			42	60	92	70		2	0.09
3	72	40			41	57	84	55		9	0.10
4					48	58	80	50		3	0.10
5	78	46			47	55	93	49		1	0.14
6					49	58	75	56		9	0.09
7	78	48			50	57	93	49		13	0.13
8	80	48			49	53	93	38		6	0.14
9	82	48			47	55	93	39		9	0.16
10	84	48			49	49	93	29	381	8	0.16
11	86	48			48	53	93	34	381	1	0.14
12	86	48			47	67	93	60	353	1	0.16
13	86	49			48	58	93	43	339	5	0.15
14	86	50			52	57	93	40	353	4	0.15
15	88	52			50	53	93	34	339	3	0.16
16	88	52			56	61	94	51	268	5	0.14
17					54	56	77	40	367	8	0.12
18	86	58			58	55	94	69	170	27	0.17
19	68	56			57	50	41	58	254	24	0.07
20	66	44			43	52	92	50	424	25	0.23
21	74	44			50	59	93	62	395	13	0.15
22	78	52			60	57	100	88	56	11	0.14
23	62	50			51	61	93	57	424	2	0.05
24	78	52			53	62	93	55	311	7	0.12
25	84	54			56	58	78	83	268	21	0.19
26	78	50			52	51	93	47	409	59	0.23
27	74	50			50	54	93	54	424	12	0.17
28	80	50			49	57	93	55	395	11	0.19
29	78	50			51	57	93	42	409	11	0.17
30	82	52			48	62	86	58	381	2	0.17
31	82					64		59	438	10	0.19
Total											4.48
Avge											

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	54			53	57	68	40	452	9	0.18	-
2	86	52			51	59	71	46	480	13	0.21	-
3	84	50			48	57	80	40	494	11	0.20	-
4	88	50			46	48	56	28	494	16	0.22	-
5	88	50			47	61	57	51	367	22	0.21	-
6	86	52			46	48	56	28	409	11	0.21	-
7	86	54			43	42	47	22	395	2	0.22	-
8	88	54			41	56	46	36	381	20	0.24	-
9	88	58			51	61	62	51	296	5	0.25	-
10	88	60			52	65	67	65	325	18	0.24	-
11					58	65	78	65	113	23	0.23	-
12	92	64			57	61	78	75	296	7	0.23	-
13	72	52			53	65	87	65	438	21	0.10	0.27
14					60	69	94	73	311	4	0.20	-
15	82	52			50	63	93	58	381	6	0.25	0.15
16					48	47	65	10	452	19	0.20	-
17	84	52			53	48	76	28	508	33	0.20	-
18	84	54			54	43	77	26	296	17	0.21	-
19	82	52			52	55	71	61	170	8	0.20	-
20	80	60			57	59	88	70	268	28	0.15	-
21	76	54			53	53	87	60	522	20	0.21	0.20
22					50	55	76	61	536	25	0.19	-
23	82	50			47	43	65	26	536	25	0.22	-
24	84	48			47	47	74	31	508	10	0.23	-
25	84	54			46	43	56	40	311	18	0.24	-
26	84	58			47	50	57	33	536	30	0.24	-
27	86	58			49	48	58	40		31	0.26	-
28	84	60			58	56	78	55		29	0.22	0.05
29	80	60			53	49	68	51	367	40	0.26	-
30	82	58			54	37	68	29	240	16	0.26	-
Tot:											6.48	0.67
Ave:										18		

MARDAN

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	52			48	54	75	48	424	35	0.20	-
2	84	52			49	52	51	38	579	14	0.24	-
3	86	66			49	49	51	36	593	26	0.30	-
4	82	62			56	50	73	33	198	17	0.22	-
5	90	62			58	60	70	42	508	10	0.26	-
6	94	62			57	65	55	41	522	9	0.28	-
7					63	58	52	32	536	17	0.32	-
8	96	76			59	66	57	47	536	15	0.30	-
9	94	68			62	67	58	85	522	24	0.32	0.05
10	84	66			63	61	80	57	508	20	0.16	0.25
11	86	66			57	61	55	51	268	8	0.20	-
12	92	66			61	62	63	100	381	19	0.28	-
13	88	62			59	58	79	56	268	45	0.34	0.27
14	76	58			57	55	94	77	311	21	0.11	0.42
15	78	58			55	56	77	40	536	24	0.10	0.19
16	84	60			53	56	53	32	551	23	0.23	-
17	90	62			60	61	70	47	353	4	0.24	-
18	86	70			57	55	62	39	282	15	0.21	-
19	84	62			58	49	66	26	494		0.20	-
20	88	62			56	52	61	28	565		0.31	-
21	94	62			59	63	57	43	381		0.30	-
22	96	64			57	66	55	80	409		0.29	-
23	92	68			57	61	58	33	494		0.36	-
24	98	60			52	49	53	17	460		0.40	-
25	02	66			59	62	74	28	452		0.35	-
26	04	66			60	53	54	18	635	4	0.36	-
27	104	78			57	46	40	17	579	5	0.32	-
28					59	66	70	31	551	8	0.38	-
29	102	66			61	55	79	21	579	7	0.36	-
30					63	86	50	66	565	6	0.37	-
31	106	70			62	52	58	25	522	8	0.36	-
Tot:											8.67	1.18
Ave:												

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	104	72			58	64	48	36	452	13	0.35	-
2	104	78			63	64	53	33	325	24	0.39	-
3	100	78			63	60	53	34	381	20	0.35	-
4	98	70			57	47	40	23	424	7	0.34	-
5	96	62			59	54	57	23	593	25	0.32	-
6	98	66			59	59	57	24	593	11	0.34	-
7	104	66			56	57	36	23	536	1	0.35	-
8	104	78			57	62	40	27	466	6	0.38	-
9	104	68			61	71	51	39	494	4	0.38	-
10	106	78			68	67	54	34	579	17	0.38	-
11	104	72			61	63	44	30	452	4	0.40	-
12	104	74			61	54	47	20	480	8	0.38	-
13	104	72			64	59	53	24	452	4	0.36	-
14	104	72			60	60	42	24	452	1	0.37	-
15	106	74			59	60	37	24	438	6	0.39	-
16	108	74			60	68	38	31	424	7	0.40	-
17	108	78			59	68	37	29	367	8	0.40	-
18	108	76			63	73	47	34	409	6	0.40	-
19	110	80			67	66	49	31	466	5	0.41	-
20	104	78			73	84	62	56	466	8	0.37	-
21	108	78			69	62	55	27	536	13	0.40	-
22	108	78			65	57	51	23	551		0.39	-
23	108	78			64	48	59	17	536	44 *	0.38	-
24	104	72			67	68	60	29	551	12	0.38	-
25	106	72			64	62	59	27	565	3	0.36	-
26	106	68			64	55	59	20	551	6	0.36	-
27	110	74			59	76	34	41	565	14	0.39	-
28	106	72			57	60	33	31	525	51	0.43	-
29	98	72			63	63	53	30	565	25	0.34	-
30	102	74			60	56	46	29	551	26	0.40	-
Tot:											11.29	0.00
Ave:	104	73								13		

* Two days observation

MARDAN

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	78			61	59	47	31	536	62	0.39	-
2	96	78			60	63	46	30	551	44	0.41	-
3	102	80			63	69	43	32	508	33	0.48	-
4	106	76			67	70	45	33	494	7	0.48	-
5	110	78			68	71	45	34	494	26	0.50	-
6	108	78			63	68	43	29	466	9	0.46	-
7	108	80			73	75	52	38		28	0.45	-
8	110	84			69	78	50	42		41	0.46	-
9	110	82			65	69	53	60		47	0.46	-
10	96	76			64	72	59	43		34	0.32	-
11	100	78			65	72	53	40		3	0.40	-
12	102	82			61	73	35	40		15	0.40	-
13	104	78			71	74	74	44		22	0.41	-
14	102	80			75	64	57	59	268	17	0.40	-
15	96	72			68	67	66	34	494	37	0.30	-
16	102	80			71	70	61	36	508	33	0.33	-
17	104	86			71	68	56	29	480	17	0.38	-
18					75	74	57	37	494	43	0.50	-
19	108	88			76	75	63	38	452	29	0.51	-
20	109	85			76	75	63	41		52	0.54	-
21	104	88			75	82	57	77	409	85	0.45	-
22	96	84			75	72	75	62		87	0.39	-
23	90	80			78	76	44	63		51	0.25	-
24	98	78			74	72	83	62		31	0.32	0.05
25					72	72	62	47		68	0.27	-
26	96	78			75	75	75	50		13	0.30	-
27	97	81			76	71	83	51		41	0.35	-
28	97	80				64		59		51	0.60	0.92
29	88	70			65	70	65	47		13	0.10	-
30					73	76	75	63		7	0.30	-
31	94	74			72	77	74	63		19	0.26	-
Tot:											12.17	0.97
Ave:										34		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	100	74			73	72	75	40		7	0.30	-
2	102	80			74	76	75	41		10	0.34	-
3	106	82			75	72	75	40		67	0.39	-
4	102	84			74	87	68	84		43	0.46	-
5	100	86			76	81	63	55		27	0.38	-
6	104	88			77	85	69	66		50	0.45	-
7					75	75	100	91		123	0.48*	1.62
8					77	83	95	77		6	0.30	0.98
9					75	81	75	65		38	0.20	-
10	98	82			76	76	83	66		19	0.25	-
11	89	77			69	77	77	63		54	0.33	0.33
12	102	76			74	75	83	83		38	0.13	0.15
13	82	78			72	75	74	63		28	0.11	-
14	100	78			75	75	79	63		28	0.23	0.05
15	100	76			74	73	87	62		9	0.08	-
16	90	76			73	76	75	63		18	0.21	-
17	93	81			71	76	61	63		21	0.31	-
18	96	74			74	80	91	76		37	0.24	* 2.57
19	89	77			72	77	82	69		38	0.07	0.13
20	98	74			72	79	82	76		21	0.20	-
21	88	74			68	80	66	76		8	0.24	-
22	90	68			65	71	65	56		19	0.25	-
23	90	70			71	73	83	50		4	0.25	-
24	94	74			69	75	60	57		4	0.28	-
25	94	76			64	77	59	69		3	0.30	-
26	89	77			61	70	51	55		8	0.30	0.70
27	89	73			73	73	82	57			0.20	-
28	94	74			72	74	74	52			0.22	-
29	99	75			73	76	75	63			0.26	-
30	96	76			73	77	75	58			0.24	-
31	97	77			72	77	74	58			0.26	-
Total											8.18	6.53
Ave.												

* Estimated evaporation.

MARDAN

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	76			70	78	67	59	339		0.26	-
2	96	80			69	77	67	63	395		0.30	-
3	97	73			71	76	74	63	367		0.30	-
4	97	71			69	77	67	63	381		0.29	-
5	96	74			71	75	74	53	409		0.26	-
6	96	70			65	77	59	53	381		0.26	-
7	92	72			71	75	74	72	311		0.27	0.07
8	88	70			65	72	65	62	409		0.19	-
9	90	66			69	69	95	50	381		0.22	-
10					65	74	65	57	367		0.21	-
11	93	77			70	71	53	51	367		0.25	-
12	94	72			68	73	66	52	381		0.28	-
13	96	74			68	74	66	52	353		0.30	-
14	96	70			67	71	90	67	353		0.31	0.20
15	86	77			63	68	61	55	381		0.19	0.05
16	98	64			63	68	75	50	367		0.22	-
17	92	62			60	67	70	49	353		0.21	-
18	90	62			63	70	72	55	367		0.20	-
19	92	64			64	57	72	49	353		0.21	-
20	92	66			62	58	64	58	353		0.21	-
21	92	68			58	70	50	55	353		0.22	-
22	92	66			63	72	72	62	325		0.21	-
23	92	70			64	70	65	51	339		0.19	-
24	94	64			62	67	58	49	254		0.21	-
25	92	66			64	67	72	49	353		0.19	-
26	92	62			62	71	75	61	311		0.23	-
27	92	64			65	73	85	62			0.20	-
28	94	68			66	68	80	50			0.21	-
29	96	68			66	67	80	49	438		0.22	-
30	94	68			67	68	90	50	409		0.20	-
Tot:											7.02	0.32
Ave:												

MARDAN

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	67			65	65	72	49	395		0.19	-
2	90	60			58	63	78	91	381		0.18	-
3	86	62			60	64	79	56	395		0.17	-
4	88	60			60	64	70	53			0.18	-
5	88	60			69	63	90	50			0.21	-
6	88	60			60	76	79	83	424		0.20	-
7	92	60			59	72	79	68	395		0.20	-
8	90	60			64	77	89	69	395		0.16	-
9	92	60			63	65	89	59	395		0.15	-
10	90	64			60	63	63	53	381		0.14	-
11	91	63			60	52	63	44	353		0.14	-
12	82	58			60	59	89	51	409		0.10 *	0.10
13	82	60			63	62	89	58	367		0.12	-
14	84	58			62	61	89	57	395		0.13	0.30
15	80	64			64	59	89	94	198		0.16	-
16	74	58			59	62	88	75	381		0.15	0.77
17	76	56			59	63	89	72	381		0.10	-
18	83	55			59	62	89	71	367		0.11	-
19	84	61			59	67	94	73	339		0.10	-
20	82	58			59	68	89	66	325		0.09	-
21	86	56			57	65	94	59	367		0.10	-
22	87	55			58	69	94	73	353		0.10	-
23	85	59			57	71	78	74	325		0.09	-
24	83	59			59	72	94	74	339		0.09	-
25	86	56			58	74	94	83	339		0.10	-
26	84	56			58	72	94	74	353		0.09	-
27	84	60			59	53	89	53	254		0.10	-
28	78	60			59	63	94	80	198		0.15	0.40
29	70	58			59	62	88	75	268		0.06	0.16
30	80	60			57	67	78	77	296		0.07	-
31	82	60			58	66	78	77	353		0.08	-
Tot:											4.10	1.73
Ave:	85	59										

* Estimated evaporation.

MARDAN

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	54			56	64	88	72	353		0.08	-
2	80	52			54	70	88	81	339		0.08	-
3	82	54			56	71	88	82	353		0.08	-
4	82	54			55	72	88	82	339		0.08	-
5	81	55			57	68	88	81	254		0.07	-
6	76	56			54	70	88	81	353		0.03	0.05
7	80	54			56	71	94	82	339		0.08	-
8	80	52			54	58	88	50	339		0.08	-
9	80	54			54	61	88	57	311		0.07	-
10	78	52			55	67	94	81	296		0.06	-
11	77	53			53	66	93	80	311		0.06	-
12	77	55			56	67	94	90	325		0.08	0.22
13	75	51			52	65	93	80	311		0.06	-
14	76	46			48	63	93	80	325		0.06	-
15	77	41			43	59	92	66	325		0.07	-
16	74	42			42	63	92	80	311		0.06	-
17	74	40			42	62	92	89	339		0.06	-
18	72	38			40	59	91	83	325		0.05	-
19	70	40			48	62	93	89	325		0.07	0.10
20	68	44			44	61	92	89	325		0.06	-
21	70	40			40	59	91	89	339		0.05*	-
22	72	36			34	59	81	89	325		0.06*	-
23	66	38			30	56	72	78	339		0.05	-
24	66	38			33	59	81	89	339		0.05	-
25	72	34			35	32	90	29	325		0.06	-
26	64	32			32	53	90	76	325		0.05	-
27	72	32			30	53	89	76	325		0.05	-
28	72	32			31	54	90	77	311		0.05	-
29	70	32			31	55	90	88	311		0.04	-
30	68	32			31	48	90	75	296		0.05	-
Tot:											1.85	0.37
Ave:	74	44										

* Estimated evaporation.

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	32			32	51	90	87	268		0.05	-
2	70	32			31	48	90	75	254		0.05	-
3	72	32			32	46	90	74	226		0.05	-
4	68	32			27	47	78	74	212		0.04	-
5	68	32			31	47	90	80	184		0.04	-
6	73	34			36	46	100	74	198		0.04	-
7	70	34			32	47	90	74	198		0.04	-
8	68	34			33	46	90	74	226		0.04	-
9	72	36			33	47	90	74	155		0.04	-
10	68	34			32	48	90	75	198		0.04	-
11						43		63	198		0.04*	-
12	68	34			30	47	80	74	212		0.03*	-
13	68	36			33	47	90	74	212		0.04	-
14	67	34			31	50	90	87	198		0.03	-
15	68	34			33	50	90	76	212		0.04	-
16	70	36			35	43	90	73	170		0.05	-
17	70	34			32	41	90	71	198		0.05	-
18	70	34			31	43	90	73	184		0.05	-
19	70	32			32	42	100	72	198		0.05	-
20	70	30			31	45	100	73	212		0.04	-
21	70	30			31	42	100	72	198		0.04	-
22	71	29			32	41	100	71	212		0.04	-
23	69	29			32	43	100	78	198		0.03	-
24	68	28							184		0.02	-
25	66	28							170		0.03	-
26	66	29							184		0.04	-
27	67	29							198		0.04	-
28	64	28							184		0.04	-
29	64	34							85		0.05	-
30	66	34							184		0.06	-
31	66	33							184		0.05	-
Tot:											1.29	0.00
Ave:												

* Estimated evaporation.

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Location Latitude 25°29', Longitude 68°25', about ¼ mile left of road near 7th milestone on Hyderabad-Sukkur National Highway.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 1.10.63 and taken over by Surface Water Hydrology Project in December 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	0.05 inches
Evaporation (Pan)	143.37 inches
Absolute maximum air temperature	114 °F
Absolute minimum air temperature	38 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

MIANI FOREST

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	43			39	49	70	51	36	0.12	-
2	71	40			38	18	51	13	35	0.12	-
3	72	42			26	18	42	15	25	0.13	-
4	68	39			38	23	76	18	30	0.12	-
5	70	42			36	45	53	38	40	0.14	-
6	74	44			29	32	45	26	74	0.16	-
7	72	42			19	32	20	23	45	0.14	-
8	72	44			24	38	29	27	31	0.16	-
9	74	42			35	41	49	30	56	0.17	-
10	76	45			32	33	42	21	20	0.16	-
11	78	46			45	49	68	36	22	0.17	-
12	80	52			41	46	46	34	52	0.16	-
13	78	44			36	32	58	26	34	0.13	-
14	68	38			33	40	56	27	22	0.16	-
15	79	45			48	39	75	28	41	0.17	-
16	78	42			39	40	70	37	20	0.16	-
17	74	40			32	40	66	64	35	0.18	-
18	78	38			41	43	84	72	22	0.15	-
19	77	45			41	40	71	64	31	0.16	-
20	80	46			39	41	70	30	48	0.20	-
21	80	44			39	37	84	24	42	0.19	-
22	78	42			40	40	71	27	22	0.18	-
23	80	48			41	42	66	27	35	0.19	-
24	82	45			41	42	77	23	26	0.17	-
25	88	47			51	61	81	47	67	0.26	-
26	89	54			63	52	89	30	103	0.20	-
27	83	42			41	40	84	27	64	0.25	-
28	80	39			41	38	84	26	18	0.20	-
29	80	38			35	33	82	20	22	0.17	-
30	82	40			50	57	87	40	58	0.20	-
31	86	52			58	29	34	16	52	0.20	-
Tot:										5.27	0.00
Ave:	77	45							40		

MIAMI FOREST

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	53			42	41	62	31	127	0.28	-
2	75	39			36	28	75	21	23	0.15	-
3	72	40			39	24	84	14	39	0.18	-
4	78	42			29	36	45	28	36	0.18	-
5					28	36	79	25	48	0.20	-
6	76	34			35	40	74	27	26	0.18	-
7	78	41			33	24	51	14	38	0.19	-
8	79	46			29	37	45	24	18	0.25	-
9	79	47			36	50	58	33	61	0.24	-
10	84	34				48	82	28	24	0.21	-
11	87	40			46	57	85	40	41	0.21	-
12	86	48			54	54	88	43	22	0.16	-
13	84	54			55	40	82	34	99	0.29	-
14	78	40			46	51	85	41	56	0.25	-
15	78	48			50	50	87	46	72	0.23	-
16	74	46			48	54	86	43	53	0.22	-
17	82	46			48	51	86	41	28	0.20	-
18	80	43			46	45	74	38	33	0.24	-
19	80	44			46	49	85	36	46	0.22	-
20	82	42			41	57	84	40	33	0.20	-
21	88	45			41	45	71	27	17	0.21	-
22	86	50			52	61	81	39	94	0.34	-
23	92	54			41	56	38	36	51	0.25	-
24	88	60			63	61	89	40	109	0.40	-
25	91	57			56	59	88	37	39	0.26	-
26	90	58			56		88		35	0.25	-
27											-
28											-
Tot:											0.00
Ave:											

MIAMI FOREST

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1											-
2											-
3											-
4					53	54	76	26	196 +		-
5	96	50			46	51	74	24	23	0.28	-
6	98	50			59	41	88	18	38	0.30	-
7	92	50			52	42	87	15	28	0.33	-
8	96	50			53	59	76	26	21	0.26	-
9	100	52			56	54	88	21	19	0.29	-
10	102	56			55	66	77	23	19	0.34	-
11	104	54			55	66	77	31	18	0.31	-
12	104	56			53	68	68	33	15	0.31	-
13	106	58			61	60	79	29	21	0.32	-
14	104	56			61	66	63	31	137	0.29	-
15	106	56			63	69	80	32	29	0.29	-
16	106	62			59	59	62	31	49	0.31	-
17	1.00	66			68	64	81	33	118	0.30	-
18	108	66			67	69	73	50	161	0.30	-
19	92	68			71	71	90	51	163	0.30	-
20	96	66			69	66	90	37	97	0.31	-
21	100	60			56	64	61	40	78	0.30	-
22	98	66			66	52	80	23	141	0.29	-
23	100	72			70	49	81	21	163	0.31	-
24	102	70			68	60	81	34	80	0.29	-
25	100	72			70	64	81	33	84	0.30	-
26	102	74			72	69	82	42	82	0.30	-
27	102	76			76	68	83	45	68	0.30	-
28	100	68			68	68	81	38	6	0.30	-
29	100	66			65	66	65	37	24	0.31	-
30	102	64			66	67	80	34	48	0.30	-
31	102	60			63	67	80	41	34	0.31	-
Tot:											0.00
Ave:											

\+ Six days observation.

MIANI FOREST

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	54			55	41	79	14	28	0.30	-
2	106	66			66	57	80	23	78	0.30	-
3	108	64			67	57	73	23	62	0.29	-
4	110	66			65	72	65	43	67	0.30	-
5	104	68			68	71	66	39	74	0.29	-
6	102	62			65	41	65	14	14	0.31	-
7	104	64			65	72	65	37	41	0.30	-
8	106	66			69	71	73	34	16	0.32	-
9	110	68			74	73	83	36	25	0.32	-
10	106	74			74	80	83	50	77	0.32	-
11	108	74			76		83		86	0.32	-
12										0.31 *	-
13					73	75	83	49	240+	0.32 *	-
14	102	70			74	69	75	32	74	0.33	-
15	106	74			76	74	83	44	122	0.33	-
16	104	70			60	82	66	60	143	0.35	-
17	98	64			55	68	49	38	65	0.36	-
18	100	58			67	75	73	24	29	0.35	-
19	102	74			74	72	83	43	115	0.34	-
20	104	74			73	74	75	52	131	0.38	-
21	98	60			54	73	43	57	68	0.39	-
22	96	56			56	59	61	31	39	0.44	-
23	98	56			56	50	61	20	25	0.46	-
24	101	59			50	52	37	19	34	0.50	-
25	106	58			55	63	49	30	62	0.47	-
26	106	62			64	64	59	26	62	0.49	-
27	108	64			68	73	66	40	76	0.51	-
28	108	74			76	67	83	34	197	0.55	-
29	106	72			73	66	75	37	129	0.54	-
30	102	56			59	67	62	34	53	0.58	-
Tot:										11.37	0.00
Ave:									74		

* Estimated evaporation.
\+ Two days observation.

MIANI FOREST

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	64			61	69	51	42	49	0.55	-
2	96	64			62	72	58	43	42	0.52	-
3	102	74			76	70	83	36	66	0.54	-
4	102	72			74	74	83	44	94	0.54	-
5	104	72			70	54	67	18	61	0.52	-
6	110	72			71	71	74	39	142	0.69	-
7	106	74			77	72	91	37	174	0.63	-
8	110	74			75	74	75	35	139	0.61	-
9	110	76			77	73	76	32	202	0.62	-
10	112	76			78	82	83	47	195	0.65	-
11	110	74			70	84	55	77	72	0.59	-
12	104	74			75	68	75	38	75	0.46	-
13	108	72			71	50	74	20	104	0.57	-
14	102	58			58	57	50	27	52	0.54	-
15	98	64			55	55	39	24	43	0.55	-
16	100	66			67	66	60	31	37	0.56	-
17	104	66			59	57	46	19	26	0.52	-
18	110	66			73	59	62	22	152	0.63	-
19	114	70			72	62	68	23	94	0.69	-
20	112	66			59	59	46	19	39	0.63	-
21	112	70			67	58	52	20	43	0.62	-
22	110	76	98	72	73	70	68	36	194	0.60	-
23	106	74	101	76	77	79	69	44	243	0.64	-
24	110	74	105	76	74	71	68	35	146	0.63	-
25	110	78	105	77	76	74	72	39	170	0.63	-
26	110	74	106	76	73	65	62	24	116	0.64	-
27	112	76	107	74	75	63	63	23	174	0.64	-
28			105	76	75	73	69	36	240	0.65	-
29			99	76	77	71	76	35	277	0.66	-
30	106	82	105	78	77	75	72	43	302	0.62	-
31	106	82	104	78	77	79	72	54	282	0.63	-
Tot:										18.58	0.00
Ave:									130		

MIAMI FOREST

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	82	98	78	77	66	76	31	297	0.66	-
2	102	80	97	76	79	71	83	39	266	0.65	-
3	102	78	99	74	76	76	72	45	215	0.67	-
4	102	82	102	76	77	69	79	34	198	0.67	-
5	104	78	102	77	79	63	87	24	143	0.64	-
6	108	78	108	76	69	72	55	31	104	0.65	-
7	110	80	105	78	59	55	40	16	116	0.66	-
8	114	80	107	78	79	78	80	52	200	0.66	-
9	106	78	105	77	77	78	76	52	243	0.67	-
10	104	82	104	77	77	77	76	49	249	0.65	-
11	104	82	105	78	77	75	72	49	252	0.66	-
12	104	82	106	77	74	68	68	48	236	0.63	-
13	100	82	100	76	76	73	75	48	230	0.66	-
14	100	82	99	77	77	71	76	43	239	0.64	-
15	100	82	100	78	77	79	72	56	223	0.66	-
16	100	82	100	78	77	73	69	50	243	0.63	-
17	100	82	99	78	75	74	69	46	243	0.64	-
18	100	82	101	79	79	79	76	52	231	0.63	-
19	104	82	104	79	78	76	73	45	193	0.64	-
20	104	82	104	79	80	78	80	49	208	0.62	-
21	108	82	105	79	77	78	69	46	227	0.60	-
22	108	82	104	80	81	80	80	50	204	0.59	-
23			110	80	79	75	80	41	159	0.66	-
24	104	82	103	79	77	73	76	36	169	0.64	-
25	106	80	105	77	75	74	69	42	161	0.62	-
26	104	80	100	76	75	77	72	45	204	0.66	-
27	104	80	98	77	83	76	92	47	250	0.63	-
28	102	82	100	77	75	76	69	53	240	0.64	-
29	100	80	102	78	79	66	76	37	205	0.64	-
30	102	80	103	78	74	70	68	47	182	0.62	-
Tot:										19.29	0.00
Ave:			103	78					211		

MIAMI FOREST

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	82	100	77	74	74	65	46	210	0.63	-
2	100	80	100	78	75	75	69	49	167	0.63	-
3	102	82	104	78	76	79	66	52	184	0.64	-
4	102	82	103	78	79	82	80	55	183	0.63	-
5	104	80	101	79	77	73	76	48	224	0.62	-
6	100	80	101	77	74	75	68	50	244	0.65	-
7	100	80	99	77	75	72	69	47	225	0.66	-
8	100	82	99	77	75	73	72	50	249	0.64	-
9	98	82	96	77	76	75	72	50	292	0.62	-
10	98	82	98	79	77	72	69	45	272	0.61	-
11	98	82	99	79	76	74	72	48	254	0.61	-
12	100	82	100	78	77	75	72	49	261	0.60	-
13	100	82	100	79	79	77	76	45	222	0.60	-
14	104	82	102	79	80	79	76	50	189	0.60	-
15	104	84	100	82	81	78	77	49	149	0.58	-
16	104	84	100	82	81	82	77	58	102	0.64	-
17	102	82	100	80	83	75	84	50	216	0.64	-
18	100	80	98	77	74	75	68	53	333	0.65	-
19	100	80	99	78	81	73	91	52	304	0.66	-
20	100	80	99	80	81	78	84	56	253	0.63	-
21	102	82	100	80	81	82	84	49	130	0.41	0.05
22	108	80	107	80	82	81	80	77	43	0.60	-
23	106	82	104	82	82	79	77	67	73	0.44	-
24	96	80	104	77	76	74	79	55	144	0.56	-
25	102	80	100	78	81	75	84	53	256	0.59	-
26	108	82	100	77	76	73	72	48	189	0.64	-
27	108	82	102	76	73	74	68	42	237	0.68	-
28	106	82	99	76	77	71	72	51	281	0.64	-
29	98	80	96	74	72	75	68	53	300	0.65	-
30	98	80	100	75	73	73	68	50	243	0.64	-
31	103	81	99	78	75	73	68	52	258	0.59	-
Tot:										18.98	0.05
Ave:	102	81	100	78					216		

MIAMI FOREST

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	80	91	80	74	73	83	48	258	0.52	-
2			95	78	77	79	83	56	234	0.43	-
3	98	81	92	78	83	73	92	78	227	0.48	-
4	97	81	90	76	82	89	96	71	189	0.41	-
5	96	80	92	75	80	82	87	63	183	0.40	-
6	95	81	90	75	82	75	96	68	263	0.48	-
7	92	80	89	76	80	83	91	92	289	0.48	-
8	96	80	91	77	81	88	96	92	240	0.48	-
9	92	80	87	75	81	83	87	65	223	0.28	-
10	99	80			75	83	55	84	227	0.50	-
11	90	79			81	84	96	81	211	0.36	-
12	94	80			75	75	79	83	240	0.44	-
13	90	78	91	75	75	71	79	51	238	0.46	-
14	94	80	97	76	75	71	79	54	200	0.42	-
15	92	80	102	76	77	74	79	55	158	0.43	-
16	100	80	104	76	75	72	79	49	141	0.46	-
17	102	80	100	74	73	76	78	60	258	0.48	-
18	103	80	101	76	73	70	75	51	252	0.47	-
19	92	80	94	72	78	70	87	53	299	0.49	-
20	92	78	90	74	70	68	67	52	294	0.48	-
21	92	78	91	74	73	71	75	56	275	0.51	-
22	98	78	96	77	75	71	83	45	228	0.50	-
23			96	76	76	72	78	47	166	0.51	-
24	100	78	102	74	72	76	74	58	120	0.59	-
25	100	78	101	74	73	73	75	52	138	0.58	-
26	93	76	100	73	72	72	74	47	177	0.59	-
27	98	76	97	73	73	70	78	51	191	0.57	-
28	98	76	97	74	73	67	78	40	198	0.55	-
29	96	78	96	74	78	68	74	45	216	0.54	-
30	98	78	93	74	73	69	87	52	202	0.55	-
31	98	78	98	74	73	72	75	54	189	0.53	-
Tots										14.97	0.00
Ave:									217		

MIANI FOREST

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	78	98	74	73	74	75	57	178	0.52	-
2	96	78	99	76	69	70	60	51	200	0.54	-
3	98	78	96	74	72	72	78	54	206	0.52	-
4	96	76	97	73	73	73	78	54	169	0.50	-
5	94	76	96	74	70	74	61	52	155	0.49	-
6	96	76	97	76	73	75	65	50	210	0.49	-
7	98	76	98	73	73	72	78	49	174	0.46	-
8	100	78	101	75	77	78	79	56	82	0.46	-
9	102	80	101	79	77	74	69	44	47	0.47	-
10	102	84	97	82	72	75	72	41	42	0.46	-
11	104	82	103	82	71	70	76	48	38	0.47	-
12	102	81	103	74	75	69	74	42	136	0.44	-
13	98	76	97	72	69	70	74	44	183	0.45	-
14	98	78	96	74	76	71	83	45	170	0.46	-
15	102	76	102	73	71	66	86	37	75	0.47	-
16	98	75	100	70	71	69	77	37	40	0.45	-
17	102	74	99	71	73	67	87	40	38	0.46	-
18	100	76	98	70	72	63	66	33	109	0.44	-
19	100	76	95	69	68	70	77	48	164	0.45	-
20	98	76	95	70	71	66	82	43	45	0.43	-
21	98	70	100	70	71	74	86	48	167	0.44	-
22	102	74	101	72	73	65	78	32	72	0.45	-
23	106	74	101	74	72	62	78	37	96	0.42	-
24	98	76	95	71	72	58	78	36	212	0.40	-
25	96	76	95	76	71	63	78	32	157	0.40	-
26	96	74	94	72	76	58	87	39	290	0.41	-
27	94	76	95	72	72	70	78	32	193	0.43	-
28	102	74	101	73	71	70	70	41	172	0.42	-
29	106	72	104	73	71	62	87	37	121	0.40	-
30	96	76	92	74	76	69	87	44	174	0.41	-
Tot:										13.61	0.00
Ave:	99	76	98	74					137		

MIANI FOREST

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	76	92	77	77	68	87	45	206	0.41	-
2	94	72	91	70	74	76	86	60	109	0.41	-
3	96	74	94	72	67	59	69	34	113	0.40	-
4	96	72	93	71	70	75	81	55	25	0.41	-
5	94	72	93	71	69	77	81	54	17	0.41	-
6	102	68	100	67	71	81	78	55	40	0.40	-
7	102	64	100	77	71	79	78	52	26	0.41	-
8	104	62	99	73	69	66	67	39	36	0.40	-
9	104	66	94	65	61	60	51	29	49	0.41	-
10	104	64	96	66	73	44	78	16	59	0.40	-
11	104	64	98	67	73	62	71	37	64	0.40	-
12	98	74	91	65	71	70	64	51	171	0.38	-
13	94	72	96	65	74	71	86	61	113	0.37	-
14	92	74	95	69	74	73	86	52	70	0.36	-
15	102	72	96	70	71	67	86	41	53	0.36	-
16	96	72	98	71	71	75	86	57	34	0.37	-
17	96	72	94	70	71	77	78	61	34	0.36	-
18	96	66	91	63	67	73	81	52	25	0.37	-
19	102	66	97	64	62	56	52	28	17	0.37	-
20	102	64	94	65	57	70	47	41	38	0.36	-
21	102	64	95	66	62	65	64	35	24	0.37	-
22	102	64	95	65	57	71	49	45	37	0.38	-
23	100	64	95	65	61	75	67	50	31	0.37	-
24	102	66	96	66	72	73	82	54	37	0.37	-
25	98	66	95	64	69	75	77	53	29	0.36	-
26	98	60	95	59	58	60	59	29	25	0.38	-
27	102	64	96	66	65	55	69	28	73	0.37	-
28	100	65	95	64	66	49	77	24	141	0.39	-
29	98	66	93	62	66	61	80	36	148	0.39	-
30	98	64	93	63	62	71	64	25	86	0.37	-
31	96	62	93	65	58	65	59	38	26	0.38	-
Tot:										11.89	0.00
Ave:	99	67	95	67					63		

MIAMI FOREST

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	65	92	66	65	63	69	39	67	0.38	-
2	100	65	95	66	70	72	90	54	61	0.38	-
3	96	68	91	67	67	70	81	47	90	0.38	-
4	90	65	91	65	69	69	81	48	51	0.37	-
5	96	65	91	63	66	60	80	38	33	0.37	-
6	96	60	91	62	62	68	71	52	45	0.36	-
7	94	64	91	64	60	71	67	58	53	0.36	-
8	94	60	91	63	62	65	71	46	29	0.36	-
9	92	62	90	63	57	61	58	44	30	0.35	-
10	90	62	88	61	59	61	66	42	47	0.34	-
11	90	66	87	62	58	59	66	44	48	0.35	-
12	90	58	91	60	59	58	62	43	27	0.34	-
13	90	60	89	62	66	65	95	69	21	0.30	-
14	88	64	87	64	64	62	85	58	37	0.28	-
15	88	60	87	63	61	71	89	64	25	0.26	-
16	90	54	88	58	48	66	42	56	20	0.26	-
17	86	60	86	59	61	61	79	51	44	0.25	-
18	86	62	84	59	54	58	68	45	68	0.25	-
19	84	62	83	56	55	59	77	51	33	0.24	-
20	84	58	83	54	59	64	74	76	106	0.22	-
21	80	51	77	51	43	62	58	64	15	0.22	-
22	80	50	77	51	45	43	63	32	52	0.23	-
23	80	50	77	50	44	48	55	42	74	0.22	-
24	80	48	76	48	42	46	62	41	56	0.22	-
25	80	46	75	48	42	59	72	59	52	0.20	-
26	80	34	77	43	40	50	91	39	27	0.20	-
27	86	42	77	45	57	54	83	54	19	0.20	-
28	78	50	70	46	43	49	63	45	24	0.17	-
29	78	56	73	51	53	50	82	46	68	0.18	-
30	78	56	73	51	55	53	82	53	42	0.18	-
Tot:										8.42	0.00
Ave:	87	57	84	57					15		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	50	71	51	43	53	63	53	55	0.16	-
2	80	50	76	51	45	46	68	34	58	0.17	-
3	82	52	77	52	52	54	87	41	42	0.19	-
4	86	52	79	54	45	63	55	50	19	0.18	-
5			81	56	53	55	72	58	25	0.16	-
6	82	54	78	55	53	61	76	60	37	0.17	-
7	82	46	78	51	49	65	80	56	20	0.16	-
8	84	46	82	51	48	63	70	61	16	0.17	-
9	82	52	80	52	50	62	76	65	31	0.16	-
10	82	52	79	52	51	53	87	45	38	0.17	-
11	80	52	78	50	51	61	47	67	63	0.18	-
12	82	46	81	46	38	61	51	71	36	0.14	-
13	80	44	79	45	38	61	51	60	27	0.18	-
14	80	44	79	44	42	57	72	62	29	0.18	-
15	78	46	75	46	43	55	73	51	32	0.17	-
16	80	46	76	47	45	51	79	47	45	0.16	-
17	78	50	75	48	42	55	67	58	49	0.18	-
18	82	38	75	44	39	63	91	68	29	0.17	-
19	82	38			40	55	91	49	38	0.18	-
20	80	40	76	46	39	61	84	63	24	0.17	-
21	80	40	77	44	45	56	79	65	21	0.17	-
22	80	46	78	46	46	53	74	53	72	0.18	-
23	78	50	75	49	48	50	86	46	59	0.16	-
24	78	46	75	48	42	57	67	62	46	0.16	-
25	80	50	75	51	50	59	93	62	46	0.16	-
26	82	50	76	50	49	59	86	66	20	0.17	-
27	80	47	76	46	45	50	85	43	53	0.18	-
28	76	44	72	47	43	57	73	58	29	0.17	-
29	76	46	75	47	45	51	74	49	42	0.18	-
30	78	50	75	50	49	53	86	53	60	0.17	-
31	78	50	77	50	49	57	86	58	71	0.16	-
Tot:										5.26	0.00
Ave:									40		

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Location	Latitude 32°35', Longitude 71°31', in the premises of Canal Colony Mianwali.
Elevation	620 ± ft msl.
Period of record	Feb 1962 to date, station established by Surface Water Hydrology Project, WAPDA. Rainfall station of Pakistan Meteorological Services.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel, are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

MIANWALI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	65	35			30	30	65	30	16	0.08	-
2	65	33			28	26	71	28	17	0.08	-
3	63	32			27	19	70	22	15	0.07	-
4	63	30			26	22	70	23	22	0.09	-
5	64	31			25	21	62	21	23	0.10	-
6	66	34			28	28	64	27	26	0.11	-
7	65	37			35	32	74	32	17	0.09	-
8	66	36			30	32	59	34	17	0.09	-
9	65	39			32	33	61	33	12	0.08	-
10	67	37			33	32	74	32	16	0.09	-
11	67	36			28	32	58	34	18	0.10	-
12	64	41			39	42	70	58	18	0.08	-
13	60	39			36	30	75	33	22	0.06	0.04
14	63	30			28	26	78	31	19	0.07	-
15	62	32			30	23	72	24	14	0.07	-
16	65	34			28	28	64	27	13	0.08	-
17	68	37			32	32	66	29	16	0.10	-
18	68	36			30	26	65	26	17	0.10	-
19	64	35			33	28	81	27	8	0.08	-
20	66	36			28	28	58	25	17	0.09	-
21	69	38			32	35	61	36	25	0.11	-
22	65	39			32	35	61	34	12	0.09	-
23	68	39			30	37	54	35	18	0.10	-
24	70	42			38	40	70	35	18	0.11	-
25	73	44			38	44	60	42	20	0.12	-
26	73	48			46	46	74	43	23	0.13	-
27	74	41			32	39		32	37	0.16	-
28	73	34			25	30	56	28	19	0.14	-
29	68	35			27	25	57	21	16	0.13	-
30	71	36			30	18	65	14	16	0.14	-
31	72	40			36	30	69	30	20	0.15	-
Tot:										3.09	0.04
Ave:	67	37							18		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	64	39			36	28	75	29	19	0.11	-
2	65	35			31	18	73	18	19	0.12	-
3	66	34			28	18	64	17	33	0.15	-
4	68	35			30	28	65	15	21	0.14	-
5	69	34			25	21	50	17	19	0.14	-
6	70	32			28	11	71	11	19	0.15	-
7	70	33			29	11	64	10	14	0.14	-
8	71	34			27	23	57	18	18	0.15	-
9	72	37			31	33	60	33	25	0.15	-
10	67	37			30	34	59	31	14	0.13	-
11	70	39			32	34	61	29	23	0.16	-
12	71	43			39	45	65	49	13	0.14	-
13	67	48			48	47	86	65	49	0.09	0.29
14	60	49			47	47	80	61	72	0.06	0.10
15	63	47			47	48	86	70	41	0.08	-
16	62	48			48	53	80	76	33	0.07	0.05
17	63	45			45	41	85	43	28	0.06	0.12
18	66	42			43	34	92	32	16	0.08	-
19	69	41			40	39	84	29	23	0.11	-
20	70	41			41	40	84	34	18	0.12	-
21	73	44			45	40	79	40	19	0.13	-
22	69	42			42	41	78	37	16	0.11	-
23	72	44			43	46	73	33	27	0.14	-
24	74	48			45	51	68	41	27	0.15	-
25	75	49			48	51	75	56	28	0.15	-
26	73	52			54	57	93	78	43	0.11	0.25
27											
28											

Tot:

Ave:

MIANWALI

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					46	46	69	39	84*	0.18*	-
2	77	50			47	46	74	34	21	0.17	-
3	79	51			48	47	70	39	18	0.19	-
4	80	52			51	54	71	41	16	0.20	-
5	83	54			51	58	66	48	23	0.21	-
6	85	57			56	58	82	50	43	0.19	0.11
7	81	55			54	57	77	42	27	0.20	-
8	84	56			52	57	67	40	17	0.21	-
9	87	57			52	56	63	36	19	0.22	-
10	90	58			51	56	62	32	16	0.23	-
11	92	59			51	55	59	30	14	0.23	-
12	94	58			49	51	54	24	14	0.24	-
13	95	60			55	54	61	26	11	0.24	-
14	97	62			51	53	52	24	8	0.23	-
15	98	62			52	55	53	25	9	0.24	-
16	98	63			54	61	57	36	12	0.25	-
17	94	65			57	61	65	35	18	0.23	-
18	94	64			57	64	69	59	49	0.26	0.02
19	83	54			55	57	77	53	43	0.24	0.64
20	80	56			49	50	66	57	51	0.25	-
21	82	56			53	57	72	49	15	0.21	-
22	81	58			53	61	89	75	27	0.18	0.26
23	71	56			54	57	73	49	75	0.23	0.04
24	80	60			54	60	79	48	28	0.20	-
25	85	63			59	61	75	60	39	0.22	0.04
26	79	55			61	55	72	51	62	0.37	1.42
27	76	54			52	55	67	43	19	0.19	-
28	81	55			50	55	62	39	10	0.21	-
29											-
30					50	56	55	48	19+	0.44+	-
31	87	59			52	58	53	39	15	0.23	-
Tot:										6.89	2.53
Ave:											

* Three days observation

\+ Two days observation.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	61			57	59	58	40	27	0.25	–
2	91	62			57	60	62	38	11	0.24	–
3	94	63			59	62	66	37	6	0.25	–
4	95	58			55	61	64	36	11	0.26	–
5	93	57			57	57	69	33	19	0.27	–
6	93	58			53	59	56	31	6	0.26	–
7	96	60			55	60	58	31	6	0.27	–
8	97	62			58	63	59	38	3	0.28	–
9	96	65			60	67	60	47	6	0.28	–
10	95	67			60	66	67	51	32	0.26	0.39
11	90	66			58	66	66	63	31	0.24	0.06
12	82	62			59	62	74	52	51	0.15	0.17
13	82	60			59	58	66	39	15	0.14	0.02
14	89	67			60	65	63	51	9	0.19	–
15	90	67			66	68	80	55	22	0.21	0.18
16	88	64			49	63	43	50	15	0.20	–
17	89	59			51	63	56	46	47	0.27	–
18	91	58			50	60	52	46	4	0.25	–
19	88	59			56	64	46	55	21	0.26	–
20	83	62			49	65	65	72	38	0.27	–
21	80	52			51	56	66	44	58	0.24	0.14
22	82	55			47	57	59	40	6	0.23	–
23	87	56			50	60	44	42	6	0.25	–
24	89	57			44	53	48	31	11	0.28	–
25	90	60			39	54	33	32	19	0.33	–
26	92	65			47	56	28	32	89	0.39	–
27	92	63			53	28	37	43	41	0.36	–
28	89	65			55	55	53	39	85	0.40	–
29	87	58			49	53	73	38	87	0.37	0.04
30	83	56			49	55	51	37	36	0.34	–
Tot:										7.99	1.00
Ave:	89	61							27		

MIANWALI

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches
1	87	57			50	59	48	41	32	0.35
2	87	59			49	59	51	46	32	0.36
3	86	63			53	62	53	50	26	0.34
4	84	62			55	63	51	47	30	0.33
5	89	65			55	60	49	34	20	0.35
6	95	68			62	60	55	29	17	0.37
7	100	72			61	65	44	32	22	0.38
8	103	74			58	67	39	34	30	0.40
9	102	73			60	69	48	50	50	0.43
10	95	71			61	69	57	44	87	0.45
11	98	72			62	70	55	44	24	0.35
12	99	69			59	67	53	49	29	0.36
13	94	62			61	64	84	61	90	0.39
14	80	59			57	62	74	64	83	0.30
15	78	58			55	61	64	51	64	0.28
16	84	60			55	59	58	37	38	0.31
17	91	63			57	63	55	39	30	0.33
18	96	66			53	62	40	41	43	0.38
19	95	64			54	57	41	30	84	0.41
20	96	65			54	60	46	31	56	0.36
21	99	67			53	60	38	29	25	0.37
22	102	70			52	54	32	23	80	0.40
23	103	71			42	54	23	21	68	0.42
24	102	68			46	58	27	24	39	0.39
25	105	70			50	59	31	25	27	0.41
26	106	72			53	60	33	24	36	0.43
27	108	73			58	61	39	22	28	0.44
28	110	74			57	62	38	23	23	0.44
29										
30					61	63	39	22	62+	0.91+
31	114	79			67	64	45	26	29	0.47
Tot:										11.91
Ave:									42	

+ Two days observation.

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	111	80			61	64	39	26	63	0.49	-
2	110	82			62	67	37	28	38	0.46	-
3	112	83			59	64	34	29	60	0.50	-
4	105	79			59	61	37	26	54	0.45	-
5	105	72			56	59	36	25	68	0.49	-
6	106	71			55	63	34	26	36	0.47	-
7	108	74			52	66	29	25	33	0.48	-
8	111	77			55	66	30	46	49	0.51	-
9	111	75			57	65	26	24	30	0.48	-
10	113	78			59	63	36	26	26	0.47	-
11	110	81			62	64	37	26	63	0.55	-
12	111	79			54	66	32	27	56	0.55	-
13	110	82			58	64	35	25	22	0.46	-
14	111	83			62	67	41	28	38	0.48	-
15	109	82			59	68	34	29	28	0.46	-
16	111	81			60	70	34	31	37	0.47	-
17	112	83			63	66	36	25	60	0.52	-
18	113	82			65	71	41	28	52	0.55	-
19	114	84			66	69	39	30	32	0.53	-
20	112	85			66	73	37	32	44	0.55	-
21	115	82			62	70	37	29	40	0.54	0.24
22											
23											
24											
25											
26											
27											
28											
29											
30											
Tot:											
Ave											

MIANWALI

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6	112	88			75	80	49	38		0.50	-
7	114	87			77	80	51	40	25	0.51	-
8	113	86			75	78	53	41	35	0.52	-
9	109	89			74	76	52	47	64	0.57	-
10	104	81			68	72	50	38	80	0.52	0.05
11	105	83			67	68	52	35	44	0.50	-
12	106	84			72	77	54	45	42	0.51	-
13	105	76			71	74	64	44	45	0.48	0.06
14	105	80			71	69	51	58	36	0.44	-
15	100	74			72	71	65	43	59	0.31	0.47
16	99	78			71	73	61	44	31	0.33	-
17	102	82			74	76	60	41	28	0.34	-
18	108	86			75	78	60	44	34	0.37	-
19	107	87			76	75	58	36	37	0.38	-
20	110	88			79	78	61	42	27	0.40	-
21	108	87			77	76	61	45	61	0.44	-
22	103	83			77	68	72	36	51	0.41	-
23	100	82			76	76	66	41	33	0.39	-
24	106	75			73	73	86	65	65	0.48	0.02
25	87	76			74	62	75	50	29	0.28	-
26	98	78			73	77	68	54	37	0.33	-
27	100	82			77	79	76	54	44	0.39	-
28	100	71			71	74	74	60	62	0.36	1.04
29	93	72			73	72	86	59	22	0.28	0.71
30	91	75			76	76	79	53	27	0.24	-
31	98	78			77	77	76	51	12	0.27	-
Tot:											
Ave:											

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	101	83			77	78	63	44	9	0.31	-
2	106	84			76	75	60	38	22	0.34	-
3	108	85			76	73	63	39	21	0.36	-
4	104	84			77	77	69	45	35	0.38	-
5	105	86			76	76	60	41	16	0.39	-
6	107	87			77	74	63	44	26	0.42	-
7	101	83			74	74	68	52	56	0.47	-
8	96	81			76	77	96	54	20	0.32	-
9	100	84			77	79	67	48	25	0.37	-
10	104	85			79	78	70	46	49	0.40	-
11	105	83			78	77	69	45	50	0.42	-
12	105	84			74	75	65	55	46	0.41	-
13	95	74			73	75	82	72	57	0.30	0.22
14	90	77			78	77	87	76	21	0.25	-
15	87	76			75	77	95	79	32	0.17	0.14
16	88	75			76	77	83	63	30	0.12	0.58
17	94	80			79	80	83	65	26	0.21	-
18	98	82			79	78	76	59	52	0.27	-
19	98	81			77	73	69	52	52	0.34	-
20	97	78			74	75	78	75	51	0.35	-
21	92	76			73	75	78	65	28	0.28	0.37
22	94	69			68	73	70	57	43	0.26	0.40
23	93	73			74	73	78	54	17	0.31	-
24	96	76			75	75	72	55	20	0.33	-
25	98	79			73	74	65	52	30	0.35	-
26	99	77			65	69	53	46	46	0.39	-
27	97	78			72	76	62	51	19	0.34	-
28	102	79			71	75	61	49	16	0.35	-
29	103	79			72	76	62	47	22	0.37	-
30	104	78			70	73	61	43	36	0.40	-
31	104	77			68	72	58	43	35	0.40	-
Tot:										10.38	1.71
Ave:	99	80							33		

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	103	78			69	74	58	46	30	0.39	-
2	104	79			72	74	59	44	36	0.41	-
3	104	78			71	71	58	41	31	0.40	-
4	103	80			72	73	59	44	21	0.40	-
5	102	79			71	70	61	41	26	0.39	-
6	103	79			72	71	62	41	32	0.40	-
7	104	70			65	61	76	40	51	0.42	0.31
8	92	68			70	69	74	48	31	0.27	0.03
9	94	75			74	75	71	55	27	0.29	-
10	97	77			71	72	67	49	32	0.32	-
11	98	76			72	72	67	47	40	0.34	-
12	98	75			69	70	70	48	51	0.37	-
13	97	78			73	72	75	47	38	0.35	-
14	100	80			74	74	71	60	64	0.39	-
15	96	68			65	69	65	58	60	0.36	0.94
16	90	71			63	66	64	47	44	0.29	-
17	94	72			67	69	66	48	26	0.30	-
18	97	68			64	65	61	38	21	0.29	-
19	99	68			66	63	69	38	23	0.29	-
20	98	72			66	67	63	41	32	0.32	-
21	97	75			69	69	67	44	36	0.30	-
22	98	76			68	66	63	39	43	0.30	-
23	99	78			69	70	64	44	38	0.31	-
24	98	77			68	67	63	43	39	0.31	-
25	97	76			70	71	67	83	24	0.30	-
26	97	68			62	63	64	46	48	0.34	0.31
27	92	71			69	69	73	50	16	0.24	-
28	94	73			72	70	78	48	13	0.26	-
29	97	72			67	68	69	45	18	0.27	-
30	98	72			65	67	62	43	21	0.29	-
Tot:										9.91	1.59
Ave:	98	74							34		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	98	73			64	65	59	46	32	0.32	-
2	97	65			61	60	67	42	63	0.36	-
3	90	68			61	63	63	43	35	0.29	-
4	93	64			57	59	58	40	49	0.34	-
5	92	66			64	64	72	44	14	0.28	-
6	94	68			63	65	68	44	22	0.29	-
7	95	65			65	69	76	50	24	0.29	-
8	96	65			63	69	68	48	33	0.30	-
9	96	66			63	67	72	45	34	0.32	-
10	95	68			65	71	72	54	29	0.31	-
11	94	67			61	66	63	47	23	0.29	-
12	94	68			61	64	60	44	54	0.32	-
13	93	68			61	61	63	42	23	0.28	-
14	92	69			58	59	56	40	23	0.27	-
15	91	62			61	62	79	58	47	0.25	0.21
16	81	60			60	61	84	57	56	0.21	0.42
17	80	61			60	62	79	55	20	0.20	-
18	83	62			62	60	84	48	18	0.19	-
19	85	63			61	60	79	46	11	0.19	-
20	88	64			62	65	75	51	13	0.20	-
21	90	65			63	62	75	45	15	0.20	-
22	92	64			63	60	80	42	14	0.19	-
23	91	63			62	59	75	41	22	0.21	-
24	89	65			65	61	80	44	12	0.18	-
25	90	64			63	62	80	45	7	0.17	-
26	91	64			63	63	75	46	16	0.19	-
27	91	65			64	62	76	45	17	0.19	-
28	90	65			58	58	66	43	43	0.23	-
29	85	63			55		61	48	64	0.22	-
30	82	62			55	56	64	40	42	0.20	-
31	86	62			53	57	64		20	0.20	-
Tot:										7.68	0.63
Ave:	90	65							29		

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November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	89	61			55	59	69	44	13	0.19	-
2	90	60			57	61	69	44	10	0.18	-
3	91	62			55	58	64	43	8	0.18	-
4	89	61			55	59	69	46	14	0.17	-
5	90	63			57	62	74	52	11	0.16	-
6	89	60			58	65	78	62	40	0.20	-
7	86	59			56	62	73	50	21	0.18	-
8	89	58			55	60	73	46	16	0.17	-
9	88	58			52	60	67	52	30	0.19	-
10	87	58			51	58	66	48	24	0.18	-
11	87	59			53	59	72	51	11	0.16	-
12	86	56			54	57	77	49	33	0.15	0.02
13	82	56			55	59	77	53	17	0.14	-
14	83	55			52	55	71	49	17	0.14	-
15	82	52			48	50	70	43	21	0.15	-
16	81	52			47	50	65	46	19	0.14	-
17	78	51			46	48	64	42	32	0.16	-
18	79	49			46	47	74	44	26	0.15	-
19	78	50			50	49	81	45	25	0.13	0.01
20	77	47			27	37	36	31	27	0.14	-
21	76	46			33	39	47	34	29	0.14	-
22	75	42			26	37	42	35	22	0.13	-
23	74	43			30	32	54	28	22	0.13	-
24	75	42			25	28	41	22	21	0.12	-
25	76	41			29	30	53	23	25	0.13	-
26	78	39			28	32	52	26	20	0.13	-
27	77	39			26	25	51	21	16	0.12	-
28	75	38			27	30	57	26	9	0.11	-
29	74	38			28	35	58	32	16	0.10	-
30	74	36			30	34	59	29	15	0.11	-
Tot:										4.48	0.03
Ave	82	51							20		

MIANWALI

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	36			30	28	65	23	16	0.11	-
2	73	37			32	25	66	22	20	0.12	-
3	74	36			30	30	65	26	19	0.12	-
4	75	38			33	32	67	26	14	0.11	-
5	73	41			36	37	69	31	14	0.09	-
6	76	40			35	30	68	25	20	0.10	-
7	75	40			36	32	69	24	18	0.10	-
8	78	42			68	31	68	31	16	0.09	-
9	78	41			76	30	76	30	12	0.09	-
10	75	42			76	25	76	25	11	0.08	-
11											-
12											-
13	73	39			59	19	59	19	52+	0.27+	-
14	74	38			60	21	60	21	20	0.10	-
15	73	39			68	25	68	25	18	0.10	-
16	75	40			31	23	60	23	11	0.09	-
17	74	38			67	22	67	22	11	0.09	-
18	76	38			74	21	74	21	22	0.08	-
19	75	37			66	15	66	15	14	0.09	-
20	74	36			65	58	65	14	12	0.08	-
21	74	35			64	29	64	29	17	0.09	-
22	73	37			67	32	67	32	12	0.08	-
23	74	36			65	31	65	31	17	0.08	-
24	73	35			64	38	64	38	17	0.07	-
25	73	36			74	33	74	33	17	0.07	-
26	72	36			73	37	73	37	14	0.06	-
27	72	35			73	36	73	36	10	0.06	-
28	73	36			73	38	73	38	12	0.07	-
29	72	38			75	45	75	45	10	0.06	-
30	67	40			68	46	68	46	19	0.08	-
31	68	42			68	37	68	37	22	0.08	-
Tot:										2.71	0.00
Ave:									16		

+ Three days observation.

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cation	Latitude 34°23', Longitude 73°29', near a military camp.
evation	2,250 ± ft msl.
riod of record	Recording rain gauge established by Surface Water Hydrology Project since 1962; other instruments were installed in November 1968.
struments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
nual figures	Precipitation 48.55 inches Evaporation (Pan) 63.81 inches Absolute maximum air temperature 108 °F Absolute minimum air temperature 31 °F
marks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

MUZAFFARABAD

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	55	34	49	38					25	0.04	-
2	58	32	45	36					15	0.04	-
3			54	39					12	0.04	-
4	60	33	54	38					17	0.04	-
5	62	31	54	37					13	0.05	-
6			48	37					11	0.03	-
7			46	46					15	0.04	-
8			50	39					8	0.03	-
9			54	45					18	0.04	0.09
10	57	35	54	39					21	0.03	-
11	64	32	57	38					24	0.06	-
12			49	42					16	0.05	-
13	54	38	47	41					19	0.03	0.22
14	44	33	44	38					14	0.03	0.13
15			55	40					18	0.04	-
16			56	35					19	0.05	-
17			56	39					22	0.07	-
18	59	38	54	41					12	0.06	-
19	54	35	52	39					6	0.03	-
20	62	32	57	38					18	0.07	-
21			57	39					25	0.09	-
22			47	43					14	0.04	-
23	60	36	56	39					16	0.05	-
24			58	46					26	0.09	-
25	58	48	51	48					28	0.06	-
26	53	45	49	46					20	0.03	0.39
27	50	40	47	42					27	0.02	0.88
28	62	36	61	40					20	0.06	-
29	64	38	61	40					21	0.07	-
30			52	38					12	0.04	-
31			61	42					14	0.07	-
Tot:										1.49	1.71
Ave:									18		

MUZAFFARABAD

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	55	31	48	36					31	0.21	2.33
2	59	34	54	39					24	0.03	0.07
3	59	35	59	39					24	0.06	-
4	62	39	60	41					17	0.06	-
5	55	33	52	38					8	0.04	-
6	63	35	61	39					16	0.06	-
7	64	32	62	38					15	0.07	-
8	66	34	62	39					16	0.09	-
9	67	35	62	39					14	0.08	-
10	65	41	58	42					10	0.05	-
11	68	54	62	48					10	0.07	-
12	68	54	62	48					27	0.09	-
13	56	37	51	41					66	0.12	1.40
14	46	40	44	43					8	0.04	0.54
15	53	37	53	43					6	0.02	-
16	62	42	61	48					7	0.03	-
17	54	39	53	45					17	0.05	0.43
18	60	37	60	43					18	0.06	0.13
19	64	37	64	41					33	0.09	-
20	65	36	67	41					23	0.09	-
21	67	41	65	46					18	0.08	-
22	65	40	62	47					11	0.06	-
23	74	47	73	52					17	0.12	-
24	62	45	57	49					45	0.09	0.34
25	51	39	49	43					16	0.05	0.32
26	70	46	70	52					23	0.10	0.16
27	62	44	61	49					34	0.12	0.54
28	62	39	65	43					48	0.08	0.06
29											
Tot:										2.11	6.32
Ave:	62	39							22		

MUZAFFARABAD

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	42	72	47					28	0.10	-
2	72	44	69	51					16	0.09	-
3	80	52	78	56					18	0.14	-
4	68	46	63	48					75	0.13	-
5	81	47	78	51					34	0.15	-
6	81	54	76	56					35	0.14	0.03
7	72	49	75	52					75	0.21	-
8	82	49	80	52					30	0.17	-
9	84	48	80	51					34	0.19	-
10	88	49	81	52					32	0.19	-
11	87	49	81	52					36	0.23	-
12	90	51	83	54					34	0.21	-
13	91	52	83	55					33	0.20	-
14	89	54	83	55					31	0.22	-
15	90	55	85	56					32	0.23	-
16	89	56	83	56					29	0.20	-
17	87	61	80	60					50	0.21	-
18	82	55	78	58					47	0.22	0.27
19	62	47	59	50					43	0.21	1.57
20	56	41	51	42					41	0.15	0.75
21	74	43	77	50					18	0.12	-
22	79	51	80	56					17	0.13	-
23	61	44	56	48					14	0.07	0.48
24	79	50	80	55					24	0.15	-
25	83	54	80	58					34	0.21	0.67
26	67	44	69	49					40	0.26	1.24
27	75	48	80	52					26	0.14	-
28	80	49	81	54					18	0.14	-
29	81	52	84	55					24	0.17	-
30	83	53	83	56					26	0.18	-
31	85	57	85	60					25	0.20	-
Tot:										5.36	5.01
Ave:	80	50	77	53					33		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	55	87	56	54	56	78	37	37	0.23	-
2	87	55	87	56	52	54	73	35	23	0.20	-
3	89	47	88	51	45	51	65	31	26	0.23	-
4	89	50	85	51	47	63	70	51	30	0.25	-
5	90	50	86	52	45	73	61	75	17	0.21	-
6	84	61	80	50	53	67	68	61	22	0.22	-
7	90	57	87	56	45	75	50	67	26	0.18	-
8	88	63	82	58	48	70	35	54	22	0.20	-
9	93	62	90	60	57	68	63	58	21	0.23	-
10	89	63	85	61	54	63	42	59	40	0.23	0.07
11	82	64	82	60	59	54	79	83	36	0.19	-
12	67	55	63	55	57	57	83	61	41	0.18	0.63
13	71	56	70	55	57	71	79	71	39	0.15	0.06
14	84	57	80	54	58	73	74	86	20	0.12	-
15	86	60	84	60	59	63	94	65	23	0.19	0.55
16	77	59	76	54	59	64	84	81	32	0.13	0.06
17	74	51	73	56	55	56	83	45	25	0.12	0.08
18	81	55	78	56	54	53	69	46	22	0.20	-
19	76	60	74	58	55	58	69	79	45	0.18	-
20	72	52	68	52	48	50	81	76	37	0.11	0.48
21	80	49	57	48	47	54	65	49	21	0.07	0.52
22	77	51	73	50	48	62	66	62	28	0.18	-
23	80	53	78	52	53	53	73	48	28	0.19	-
24	77	51	75	52	51	55	72	40	36	0.18	-
25	83	57	81	52	55	49	78	55	22	0.19	-
26	80	56	75	54	53	53	78	55	73	0.18	0.05
27	92	58	72	55	50	53	56	61	57	0.18	-
28	71	54	65	54	49	51	63	57	66	0.08	0.13
29	87	48	68	53	48	49	87	67	42	0.14	0.71
30	62	47	60	50	47	47	65	55	13	0.10	-
Total										5.24	3.34
Avg.	81	55	77	54					32		

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	71	45	70	58	48	55	66	43	23	0.09	-
2	81	50	78	50	37	55	37	40	21	0.16	-
3	83	55	81	56	55	55	69	43	20	0.22	-
4	84	58	85	59	58	64	74	49	19	0.23	-
5	89	58	92	62	57	63	63	38	19	0.24	-
6	92	63	93	62	60	63	64	37	22	0.25	-
7	95	66	95	65	60	68	58	49	24	0.27	-
8	94	65	92	66	64	73	76	43	19	0.21	0.22
9	92	68	95	65	59	66	57	70	47	0.30	0.20
10	79	63	78	63	62	61	80	58	23	0.20	0.63
11	87	63	85	63	61	63	72	59	30	0.18	-
12	85	60	88	63	60	61	75	75	20	0.19	-
13	83	57	84	60	55	55	78	78	25	0.20	0.88
14	68	54	67	55	56	59	83	84	24	0.19	0.79
15	68	52	69	55	59	57	89	46	12	0.08	0.22
16	87	55	86	57	55	59	69	57	21	0.19	-
17	77	54	77	56	56	65	70	52	26	0.16	-
18	87	65	88	59	61	59	75	75	12	0.17	-
19	73	58	69	58	58	62	79	50	31	0.15	0.05
20	86	59	88	60	60	70	67	51	16	0.18	-
21	92	64	95	64	60	73	61	60	21	0.25	-
22	93	69	91	66	62	65	62	52	39	0.25	-
23	88	65	86	66	60	60	61	43	34	0.20	-
24	96	64	96	62	60	63	61	38	42	0.30	-
25	96	63	93	64	61	63	68	31	19	0.27	-
26	100	68	96	67	57	63	46	51	20	0.32	-
27	101	76	98	65	63	66	59	48	26	0.35	0.05
28	101	65	99	64	50	63	38	36	24	0.34	-
29	102	72	98	67	64	74	54	42	22	0.37	-
30	103	73	100	69	64	75	54	40	22	0.36	-
31	105	75	100	70	63	71	47	37	21	0.41	-
Tot:										7.22	3.04
Ave:	88	62	87	62					24		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	105	68	99	69	66	73	60	39	39	0.43	-
2	104	78	100	72	68	68	58	47	23	0.39	-
3	93	70	89	67	63	69	69	51	63	0.31	0.20
4	90	64	87	65	61	59	58	42	37	0.27	-
5	91	62	91	60	60	61	61	34	38	0.24	-
6	98	68	95	65	61	64	58	33	39	0.37	-
7	102	70	98	65	61	57	53	31	48	0.45	-
8	102	68	97	65	59	59	47	31	32	0.39	-
9	104	72	100	67	62	75	50	39	29	0.38	-
10	106	75	101	69	61	69	46	40	29	0.42	-
11	101	74	95	69	56	69	37	38	41	0.42	-
12	101	70	97	67	63	68	48	36	47	0.43	-
13	102	77	99	69	73	69	62	38	26	0.39	-
14			100	70	67	58	63	26	29	0.42	-
15	105	71	99	68	61	63	48	37	29	0.42	-
16	104	69	97	68	62	79	50	51	30	0.39	-
17	107	77	99	70	64	64	47	33	25	0.40	-
18	106	84	100	74	66	76	48	39	27	0.37	-
19	107	83	99	70	61	74	48	40	60	0.51	0.09
20	10[illegible]	83	98	68	62	69	46	31	49	0.45	-
21	107	82	99	69	61	61	39	38	26	0.41	-
22	104	70	96	66	64	64	54	34	42	0.39	0.15
23			98	69	56	57	31	25	36	0.36	-
24	103	71	94	68	63	67	51	31	26	0.33	-
25	105	76	96	69	63	70	48	38	33	0.39	-
26	105	76	95	69	60	65	39	26	30	0.41	-
27	108	74	99	70	64	70	47	36	24	0.39	-
28	104	74	96	69	63	71	51	46	41	0.37	-
29	96	74	91	68	62	69	46	35	37	0.36	-
30	103	73	96	66	61	67	53	63	57	0.41	-
Tot:										11.67	0.44
Ave:			97	68					36		

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	94	72	92	69	64	65	59	45	40	0.36	-
2	95	76	90	68	63	73	51	39	60	0.30	-
3	103	75	99	68	70	73	56	39	36	0.40	-
4	104	82	101	77	69	71	53	78	24	0.40	-
5			96	70	70	75	71	49	32	0.36	0.60
6	101	79	99	72	69	72	59	34	20	0.30	-
7	108	81	102	76	69	76	53	42	24	0.38	-
8	107	79	100	73	69	81	61	48	41	0.37	0.02
9	106	78	101	75	68	61	61	31	40	0.41	-
10	99	72	96	73	71	78	75	52	33	0.33	0.26
11	100	78	100	71	64	75	49	44	53	0.37	-
12	102	81	99	71	67	78	52	49	32	0.39	-
13	103	75	100	74	70	76	82	48	37	0.54	0.93
14	100	75	98	73	68	67	67	58	17	0.28	-
15	88	72	86	72	71	67	71	50	23	0.20	0.02
16	92	76	96	75	69	78	64	52	29	0.29	0.03
17	101	81	100	83	76	79	64	49	26	0.27	-
18	103	84	102	80	81	80	88	49	47	0.31	-
19	105	80	102	80	79	81	84	51	37	0.37	0.55
20	103	79	100	80	79	81	87	58	22	0.31	0.19
21	100	81	102	80	80	64	88	44	23	0.26	-
22	92	76	92	78	75	78	91	80	38	0.26	0.50
23	88	75	87	77	76	79	83	63	7	0.20	0.80
24	96	75	102	75	73	77	91	67	27	0.30	0.63
25	90	76	99	77	76	75	91	63	25	0.27	0.03
26	93	71	100	73	72	79	65	70	23	0.32	1.64
27	92	72	100	74	71	71	65	86	16	0.30	0.71
28	90	67	97	70	62	71	76	54	17	0.28	0.91
29	91	68	94	70	67	73	73	53	15	0.26	-
30	94	70	99	71	70	76	90	54	15	0.24	-
31	96	73	99	73	73	74	75	56	15	0.25	-
Tot:										9.88	7.82
Ave:			98	74					29		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	98	73	103	74	71	77	68	55	11	0.27	-
2	100	74	103	75	72	78	71	51	15	0.28	-
3	100	81	104	76	76	77	79	55	10	0.29	-
4	98	75	102	73	77	80	87	60	28	0.27	2.57
5	100	79	104	78	77	83	87	66	14	0.26	0.15
6			103	78	77	79	91	74	12	0.54	1.70
7	95	79	100	77	69	77	49	83	15	0.30	1.06
8			93	78	59	82	87	77	9	0.11	0.47
9			101	78	78	81	91	65	17	0.27	0.49
10			102	78	70	80	59	80	28	0.35	1.79
11			89	79	74	82	83	81	8	0.25	0.12
12	90	73	92	75	73	75	86	87	5	0.18	-
13	84	73	83	73	73	82	91	84	6	0.14	-
14	90	71	93	74	71	78	95	87	9	0.28	0.90
15	88	72	87	74	75	75	95	79	4	0.13	0.43
16	86	74	90	75	75	77	87	65	6	0.09	-
17	92	75	100	76	75	82	87	42	11	0.21	0.33
18	94	76	100	76	76	79	95	70	22	0.23	0.06
19	93	71	97	73	72	71	91	95	16	0.15	0.93
20	83	68	92	69	64	83	85	88	10	0.20	0.90
21	88	66	93	68	66	68	81	58	11	0.16	-
22	90	66	94	68	65	72	85	57	20	0.22	0.44
23	92	70	97	79	69	76	86	64	10	0.21	-
24	93	72	98	74	63	73	100	58	11	0.19	-
25	92	72	98	73	71	74	91	63	18	0.27	0.22
26	92	72	98	72	71	83	82	81	18	0.24	-
27	93	88	98	70	71	75	95	59	10	0.20	-
28	95	75	98	68	67	83	73	81	15	0.23	-
29	92	68	97	69	69	79	78	65	11	0.21	-
30	98	71	99	72	71	78	78	59	9	0.20	-
31	97	71	98	71	70	71	82	48	11	0.23	-
Tot:										7.16	10.56
Ave:			97	74					13		

MUZAFFARABAD

September 1969

Date	TEMPERATURES °F						Relative Humidity Percent		Wind Movement	Evaporation in	Rain in
	Air		Pan Water		Dew Point						
	Max	Min	Max	Min	8 A.M	5 P.M	8 A.M	5 P.M	Miles	inches	inches
1	98	69	99	70	70	69	82	70	11	0.22	-
2	99	73	98	73	72	75	83	54	8	0.21	-
3	98	71	97	72	70	68	71	56	15	0.25	-
4	94	66	91	66	63	75	69	56	19	0.22	-
5	96	67	96	72	69	69	82	51	14	0.23	-
6	97	68	96	69	69	70	95	71	19	0.18	0.35
7	81	66	79	67	64	71	85	82	8	0.18	0.48
8	78	65	77	65	65	78	85	73	9	0.19	0.05
9	92	66	91	69	67	70	85	54	7	0.16	-
10	94	67	93	66	65	79	85	70	13	0.22	-
11	93	70	94	70	67	74	77	63	12	0.20	-
12	93	73	93	71	72	77	83	70	21	0.20	-
13	94	72	93	72	72	79	91	67	7	0.15	-
14	94	66	95	68	67	69	95	70	24	0.23	0.26
15	80	65	81	65	63	65	85	63	24	0.11	0.15
16	81	61	79	62	59	65	75	49	15	0.10	-
17	89	67	90	63	62	77	80	73	18	0.16	-
18	93	66	92	63	62	68	84	49	12	0.20	-
19	94	62	91	64	63	75	85	67	14	0.21	-
20	93	63	91	63	63	67	85	50	15	0.20	-
21	91	62	90	64	58	72	60	57	11	0.22	-
22	92	61	90	63	60	65	75	45	14	0.20	-
23	94	64	90	63	63	43	72	27		0.23	-
24	91	59	90	60	59	75	79	67		0.20	0.02
25	93	63	88	62	63	72	85	65		0.20	-
26	91	61	88	62	58	68	71	56		0.22	-
27	95	62	90	63	61	73	75	66		0.20	-
28	93	62	88	62	68	69	80	53		0.22	-
29	93	63	89	63	62	69	76	53		0.21	-
30	93	65	88	66	64	64	81	44		0.19	-
Tot:										5.91	1.31
Ave:	92	66	90	66							

MUZAFFARABAD

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	67	89	65	53	64	46	49		0.19	0.05
2	92	59	86	60	57	61	79	53		0.25	1.20
3	87	61	86	60	59	70	75	78		0.19	-
4	89	60	86	60	58	71	79	71		0.18	0.28
5	87	65	87	60	59	69	75	61		0.14	-
6	90	58	86	60	59	70	89	78		0.15	-
7	90	59	85	60	58	73	83	75		0.15	-
8	91	60	86	61	61	71	89	62		0.16	-
9	90	60	85	61	60	73	84	68		0.15	-
10	91	61	88	64	63	67	80	58		0.14	-
11	88	60	85	62	57	60	83	94		0.22	0.75
12	65	55	63	55	57	67	94	77		0.10	0.55
13	85	58	82	59	59	67	89	66		0.11	-
14	86	61	83	62	62	57	89	60		0.15	0.25
15	82	58	82	59	58	61	94	94		0.15	0.40
16	72	59	71	58	59	61	89	48		0.10	0.17
17	84	56	81	57	57	61	89	58		0.10	-
18	86	57	82	56	54	66	78	90		0.12	-
19	84	55	79	56	56	55	83	52		0.11	-
20	80	57	75	55	54	62	78	68		0.11	-
21	86	54	76	56	54	65	83	73		0.12	-
22	89	54	82	53	55	65	88	77		0.08	-
23	87	55	80	56	57	69	94	78		0.12	-
24	84	57	78	55	56	69	83	86		0.15	-
25	88	54	80	55	53	67	78	77		0.12	-
26	85	52	80	54	52	65	82	77		0.13	-
27	87	55	79	54	55	54	83	69		0.12	-
28	75	50	67	50	38	47	46	62		0.10	2.24
29	61	48			49	55	67	65		0.12	0.50
30	71	58	70	52	48	63	63	89		0.13	-
31	81	54	75	52	52	56	82	66		0.11	-
Tot:										4.27	6.39
Ave:	84	57									

MUZAFFARABAD

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	55	76	52	53	63	88	90		0.10	-
2	83	55	77	53	53	63	88	80		0.10	-
3	84	55	76	54	53	63	83	85		0.09	-
4	84	53	76	53	53	63	88	89		0.09	-
5	80	54	73	53	55	62	88	80		0.08	-
6	82	57	74	57	57	63	89	76	12	0.09	-
7	86	53	79	55	53	62	88	80	9	0.10	-
8	85	52	75	52	53	63	94	80	12	0.08	-
9	84	51	75	53	51	62	87	76	12	0.09	-
10	78	53	71	53	53	60	88	89	12	0.08	-
11	73	52	75	52	53	61	94	84	4	0.10	-
12	79	54	70	53	54	52	94	87	15	0.13	0.41
13	65	49	60	47	49	40	93	47	27	0.04	0.07
14	71	47	67	48	47	59	93	89	14	0.06	-
15	75	46	69	47	46	56	93	83	16	0.07	-
16	75	47	68	46	47	52	93	73	15	0.05	-
17	72	43	66	45	43	53	92	73	12	0.06	-
18	71	42	66	44	43	53	92	78	13	0.07	-
19	76	44	65	43	49	45	93	69	13	0.06	0.09
20	63	47	55	45	46	47	86	70	37	0.05	0.09
21	64	49	59	48	47	51	86	72	40	0.04	-
22	72	42	66	43	41	53	92	83	19	0.06	-
23	71	41	62	42	41	52	92	87	14	0.06	-
24	73	40	62	41	40	52	92	77	16	0.05	-
25	74	38	62	39	38	37	91	48	13	0.06	-
26	75	39	61	39	36	35	76	44	9	0.05	-
27	74	38	60	39	36	38	83	53	8	0.06	-
28	73	37	59	38	37	35	91	47		0.05	-
29	71	37	58	39	37	37	91	52		0.05	-
30	72	37	58	38	37	38	91	53		0.04	-
Tot:										2.11	0.66
Ave:	76	47	67	47							

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	67	36								0.04	-
2	68	35								0.04	-
3	71	36							8	0.05	-
4	73	37							5	0.05	-
5	70	38			41	38	73	43	4	0.04	-
6	74	41			40	37	92	42	8	0.07	-
7	71	39							5	0.05	-
8	74	40			40	38	92	49	8	0.05	-
9	75	39							8	0.05	-
10	70	39							6	0.04	-
11	65	37			37	35	91	47	5	0.04	-
12	68	36			34	32	75	42	11	0.05	-
13	70	37			36	34	91	46	11	0.05	-
14	70	36			35	34	91	43	11	0.04	-
15	71	36			37	32	84	42	8	0.05	-
16	68	38			38	31	91	37	9	0.05	-
17	67	37			33	29	82	31	10	0.04	-
18	72	36			35	31	91	35	14	0.05	-
19	71	36			33	27	82	33	8	0.04	-
20	70	35							10	0.05	-
21	70	34			33	27	90	38	9	0.05	-
22	65	34			33	25	90	34	9	0.03	-
23	67	34			31	23	90	33	10	0.04	-
24	68	32			30	29	90	40	12	0.04	-
25	68	32			30	29	90	43	12	0.05	-
26	63	33			33	23	90	27	8	0.03	-
27	75	33			31	23	90	30	7	0.05	-
28											
29											
30											
31											
Tot:											
Ave:											

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Location Latitude 30°04', Longitude 71°12', in the premises of Civil Hospital Muzaffargarh.

Elevation 380 ± ft msl.

Period of record May 1962 to date, station established by Surface Water Hydrology Project WAPDA. Rainfall station of Pakistan Meteorological Services, old data available in that office.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.
Pyrheliometer.

Annual figures

Precipitation	4.51 inches
Evaporation (Pan)	98.16 inches
Absolute maximum air temperature	113 °F
Absolute minimum air temperature	33 °F

Remarks
Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record. (-) indicates no precipitation.

MUZAFFAR GARH

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches
1	69	33			29	39	80	34	282	6	0.07
2	69	35			33	40	81	35	282	7	0.08
3	70	35			31	41	73	38	282	6	0.09
4	70	34			32	44	81	42	296	4	0.07
5	69	33			31	43	90	41	296	5	0.07
6	68	33			29	40	80	37	198	6	0.08
7	70	34			28	43	71	39	170	5	0.08
8	71	34			30	43	72	41	254	9	0.09
9	68	33			33	44	90	41	282	5	0.07
10	68	34			32	45	81	45	282	5	0.08
11	67	35			31	43	73	41	184	4	0.07
12	68	34			31	47	80	46	170	10	0.09
13	68	33			31	46	90	42	282	5	0.08
14	70	33			33	39	90	35	268	11	0.09
15	68	35			33	34	73	29	296	11	0.10
16	68	36			34	39	74	35	296	13	0.11
17	68	38			36	33	75	22	282	17	0.12
18	74	41			38	41	76	34	311	8	0.10
19	70	41			37	39	69	33	296	18	0.12
20	69	39			37	37	83	26	282	5	0.10
21	73	40			39	41	83	30	254	4	0.09
22	73	42			39	47	77	38	282	11	0.10
23	73	43			39	49	77	42	296	8	0.09
24	74	46			43	45	78	35	268	13	0.10
25	74	47			44	51	78	48	212	8	0.12
26	71	49			45	43	73	30	311	9	0.11
27	77	45			41	38	77	28	353	24	0.12
28	72	38			32	38	66	30	311	17	0.15
29	71	38			36	39	82	31	339	8	0.14
30	73	39			35	39	74	33	325	15	0.15
31					44	48	78	57	212	16	0.13
Tot:											3.06
Ave:										9	

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	44			39	37	70	26	395	23	0.14	-
2	73	42			40	39	84	35		26	0.15	-
3	67	37			34	38	82	30		16	0.16	-
4					39	35	77	26	353	15	0.14	-
5	70	37			35	33	82	23	381	15	0.16	-
6	71	37			35	35	82	24	395	15	0.15	-
7					38	38	76	28	381	12	0.13	-
8	72	42			39	37	77	26	395	12	0.14	-
9	73	42			39	41	77	34	254	9	0.15	-
10	70	45			39	37	65	24	282	6	0.13	-
11	75	46			40	32	65	22	353	11	0.14	-
12	75	45			42	47	78	47	296	17	0.13	-
13	72	47			47	51	93	81	127	37	0.11	0.31
14	60	45			44	34	92	70	184	14	0.06	0.12
15					47	48	86	50	367	23	0.08	-
16					51	41	87	38	296	36	0.12	-
17	69	50			49	45	93	40	367	12	0.15	-
18	72	50			49	45	86	37	367	11	0.14	-
19	73	47			46	44	85	34	395	16	0.13	-
20	74	45			43	47	78	38	452	8	0.12	-
21	75	46			45	49	79	42	296	19	0.14	-
22	73	51			47	49	74	40	381	9	0.17	-
23	76	55			53	51	81	46	184	23	0.18	-
24	74	53			51	56	76	43	395	15	0.16	-
25	82	57			50	56	66	51	424	23	0.17	-
26	77	58			55	57	82	61	409	18	0.19	-
27	74	58			56	58	82	61	424	34	0.11	0.30
28	74	57			53	57	72	52	452	26	0.15	-
Tot:											3.90	0.73
Ave:										18		

MUZAFFAR GARH

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	58			54	54	73	46	424	19	0.18	-
2	79	58			54	56	68	46	438	9	0.20	-
3	80	59			55	55	73	43	409	9	0.21	-
4	80	57			57	54	78	41	424	7	0.19	-
5	82	59			55	56	69	44	438	11	0.22	-
6	83	60			56	58	73	50	452	5	0.21	-
7	81	59			57	58	78	45	424	5	0.20	-
8	85	61			57	59	69	43	438	7	0.23	-
9	88	61			59	57	74	30	438	8	0.21	-
10	92	61			57	58	69	31	395	14	0.23	-
11	94	62			56	57	65	29	409	9	0.24	-
12	94	61			57	54	65	25	452	6	0.21	-
13	96	62			58	57	70	21	438	11	0.23	-
14	96	60			57	50	69	20	395	6	0.24	-
15	97	61			58	53	70	22	466	8	0.22	-
16	96	60			59	58	74	34	339	12	0.20	-
17	92	60			58	62	74	44	395	8	0.19	-
18	87	58			59	59	79	48	339	19	0.17	0.53
19	87	59			57	59	78	40	494	14	0.10	0.25
20	89	61			68	55	79	30	452	10	0.16	-
21	92	62			60	60	74	41	381	18	0.18	-
22	87	66			61	61	67	42	424	26	0.20	-
23	90	67			61	61	75	44	480	33	0.22	-
24	85	65			62	63	75	45	395	15	0.25	-
25	88	68			63	57	80	34	353	16	0.28	0.07
26	88	68			59	57	70	44	522	23	0.24	-
27	81	64			56	61	65	42	466	36	0.26	-
28	88	58			55	58	73	34	452	14	0.25	-
29	90	58			56	57	69	30	466	12	0.26	-
30	92	59			55	57	64	29	466	8	0.25	-
31	94	60			58	59	74	32	536	6	0.27	-
Tot:											6.70	0.85
Ave:	88	61								13		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	94	61			58	59	66	31	536	10	0.26	-
2	96	62			59	62	66	34	551	12	0.28	-
3	98	64			60	64	67	35	508	13	0.31	-
4	98	65			60	67	63	38	565	18	0.31	-
5	99	67			60	66	60	36	536	7	0.29	-
6	100	66			60	64	67	36	536	25	0.33	-
7	97	66			57	65	55	35	522	25	0.32	-
8	99	69			60	68	60	38	438	16	0.35	-
9	100	70			64	69	65	37	452	18	0.36	-
10	102	75			69	76	67	53	409	21	0.34	-
11	97	69			60	70	67	61	367	34	0.37	0.17
12	90	67			63	63	80	80	226	48	0.28	0.50
13	73	65			65	65	85	51	480	30	0.23	0.05
14	89	69			67	68	77	42		9	0.22	-
15	98	72			74	71	46	64		33	0.25	-
16	87	71			59	73	62	33		7	0.23	-
17	88	65			62	53	71	30		32	0.27	-
18	91	67			60	61	70	35		21	0.30	-
19	95	69			56	63	52	47		23	0.34	-
20	88	70			60	56	67	36		37	0.34	-
21	89	62			58	50	70	31		48	0.30	-
22	86	61			55	47	61	23		19	0.27	-
23	92	63			53	45	53	19		17	0.28	-
24	94	63			54	47	43	20		29	0.31	-
25	97	64			55	46	43	17		22	0.38	-
26	100	71			54	59	43	33		34	0.44	-
27	96	67			58	60	56	31		23	0.42	-
28	99	73			54	56	48	29	296	41	0.44	-
29	93	66			57	53	55	24	579	48	0.41	-
30	97	67			58	53	59	31	593	42	0.45	-
Tot:											9.67	0.72
Ave:	94	67								25		

MUZAFFAR GARH

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	89	67			57	53	58	30	607	23	0.43	-
2	90	69			57	56	55	31	452	38	0.46	-
3	93	71			60	58	60	32	395	17	0.44	-
4	94	71			60	62	54	34	409	16	0.43	-
5	96	73			65	66	56	34	466	18	0.48	-
6	101	77			58	67	39	30	494	17	0.46	-
7	106	75			60	71	46	34	494	21	0.47	-
8	107	80			65	75	51	40	480	19	0.50	-
9	107	82			67	75	47	41	452	22	0.49	-
10	105	78			73	63	66	36	325	49	0.51	-
11	97	73			67	66	69	36		29	0.45	-
12	99	76			67	68	60	52	212	24	0.47	-
13	91	67			65	71	80	82	508	51	0.45	0.05
14	80	68			63	63	80	43	494	57	0.33	-
15	85	66			65	66	80	47	508	30	0.36	-
16	91	69			62	65	58	41	494	19	0.40	-
17	94	67			65	66	65	36	522	14	0.42	-
18	100	74			65	67	59	40	508	15	0.42	-
19	99	73			61	66	51	39	551	37	0.45	-
20	96	74			65	62	56	34	536	28	0.47	-
21	97	71			65	58	53	24	522	17	0.46	-
22	103	76			63	59	47	26	522	25	0.48	-
23	102	79			63	59	41	26	536	28	0.50	
24	101	74			67	72	52	35	508	27	0.46	-
25	107	81			67	75	47	38	466	12	0.45	-
26	108	84			67	78	49	39	579	11	0.47	-
27	109	85			68	74	45	35	593	9	0.50	-
28	110	83			73	75	57	35	593	11	0.47	-
29	110	84			75	76	60	37	579	14	0.48	-
30	112	85			73	76	59	34	579	16	0.50	-
31	113	85			74	75	60	34	508	19	0.52	-
Tot:											14.18	0.05
Ave:	100	75								24		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	112	86			74	75	57	35	353	9	0.46	-
2	112	85			73	77	57	36	480	8	0.47	-
3	111	84			74	75	60	36	494	8	0.48	-
4	108	81			73	73	62	36	452	6	0.45	-
5	108	80			72	72	59	37	480	9	0.47	-
6	105	79			74	73	68	34	494	8	0.44	-
7	108	80			74	74	65	35	508	7	0.46	-
8	110	85			74	79	63	39	480	16	0.45	-
9	111	85			75	76	60	37	565	19	0.48	-
10	110	83			73	76	62	38	593	11	0.47	-
11	108	81			77	75	72	36	607	23	0.49	-
12	108	80			72	75	62	38	438	12	0.46	-
13	107	79			75	72	65	37	551	22	0.47	-
14	106	79			76	74	66	39	607	27	0.50	-
15	105	81			76	77	63	43	621	37	0.51	-
16	104	82			74	68	60	47	635	46	0.48	-
17	103	83			76	68	63	31	621	38	0.49	-
18	106	85			74	70	55	29	621	32	0.50	-
19	107	91			75	75	49	29	607	76	0.54	-
20	110	88			80	77	65	36	635	35	0.51	-
21	109	89			77	74	58	36	593	34	0.49	-
22	111	89			77	74	61	39	579	10	0.45	-
23	105	83			73	73	57	46	424	16	0.42	-
24	100	88			74	75	60	39	367	33	0.40	-
25	105	84			76	74	66	36	438	7	0.41	-
26	109	84			78	74	64	35	424	11	0.42	-
27	110	85			80	58	65	24		5	0.40	-
28	107	83			73	80	59	65	296	44	0.44	0.05
29	99	80			74	80	75	62	353	43	0.37	0.07
30	97	81			75	76	73	45	466	22	0.40	-
Total											13.78	0.12
Avg:	107	83								22		

MUZAFF'R GARH

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	103	81			74	73	65	50	268	37	0.42	-
2	97	78			74	75	68	50	438	34	0.44	0.05
3	98	78			77	73	69	42	452	25	0.41	-
4	101	81			78	75	67	38	452	21	0.44	-
5	107	89			78	77	64	42	438	17	0.45	-
6	108	88			76	78	63	41	466	50	0.42	-
7	108	87			78	75	69	38	551	44	0.46	-
8	107	85			73	77	62	40	536	18	0.45	-
9	108	86			76	76	66	41	508	32	0.47	-
10	106	87			76	74	63	39	466	32	0.44	-
11	105	87			75	77	65	42	508	33	0.42	-
12	107	86			77	78	69	42	367	69	0.43	-
13	107	87			74	78	57	44	438	15	0.44	-
14	106	89			79	75	61	41	536	15	0.45	-
15	105	76			75	74	79	55	494	60	0.47	0.33
16	94	81			80	79	74	54	508	9	0.40	-
17	101	89			80	80	70	50	424	16	0.42	-
18	103	86			75	74	63	44	508	22	0.43	-
19	102	86			78	77	69	47	565	34	0.44	-
20	103	86			74	81	60	49	466	24	0.41	-
21	105	88			75	79	60	52	494	22	0.38	-
22	102	87			80	80	70	57	480	47	0.40	-
23	99	89			81	81	68	53	452	53	0.41	-
24	103	83			80	80	74	50	339	18	0.43	-
25	104	83			77	78	69	49	339	10	0.40	-
26	102	82			74	77	68	58	367	34	0.42	-
27	98	78			72	73	68	48	508	27	0.25	1.40
28	98	80			76	74	72	48	296	9	0.31	-
29	99	82			77	77	72	49	466	18	0.35	-
30	101	83			77	78	69	49	438	26	0.38	-
31	101	84			79	80	76	57	452	19	0.40	-
Tot:											12.84	1.78
Ave:	103	84								29		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	100	84			76	77	72	51	536	16	0.37	-
2	100	82			75	79	72	56	494	11	0.36	-
3	100	82			74	73	71	48	522	17	0.37	-
4	98	81			73	75	68	53	466	33	0.40	-
5	97	81			74	77	68	54	508	29	0.41	-
6	99	83			75	79	69	54	522	34	0.43	-
7	99	84			76	77	72	51	325	18	0.41	-
8	100	84			73	74	68	48	522	13	0.36	-
9	99	82			74	75	71	53	536	32	0.38	-
10	96	80			74	75	71	49	551	43	0.41	-
11	100	80			73	74	71	46	480	63	0.43	-
12	100	81			72	72	68	45	494	38	0.40	-
13	98	79			73	74	78	60	311	55	0.39	0.04
14	93	78			76	80	75	65	325	21	0.31	-
15	96	83			79	79	76	54	494	12	0.30	-
16	99	83			77	80	76	65	367	20	0.33	-
17	95	84			77	75	76	53	409	15	0.33	-
18	98	83			76	75	72	55	508	37	0.39	-
19	96	82			73	76	68	58	522	45	0.35	-
20	94	78			74	76	71	57	494	33	0.30	-
21	94	81			67	73	43	50	494	21	0.29	-
22	96	80			71	72	67	49	522	24	0.31	-
23	96	82			76	75	66	50	466	16	0.30	-
24	98	78			79	75	80	50	551	9	0.33	0.22
25	100	82			75	74	65	48		6	0.29	-
26	100	84			76	71	66	41	522	38	0.37	-
27	100	81			75	71	65	41	536	23	0.40	-
28	100	81			76	70	66	41	522	29	0.42	-
29	100	81			73	72	62	43	522	34	0.39	-
30	99	83			75	72	65	45	508	29	0.41	-
31	99	81			75	74	63	46	522	27	0.38	-
Tot:											11.32	0.26
Ave:	98	82								27		

MUZAFFAR GARH

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	99	81			75	74	65	48	522	39	0.39	-
2	98	81			75	73	69	48	508	37	0.41	-
3	98	80			74	75	68	49	494	39	0.42	-
4	99	81			77	77	72	51	508	44	0.43	-
5	100	83			77	75	72	49	508	19	0.41	-
6	100	81			76	74	72	48	522	24	0.42	-
7	99	79			71	74	61	55	480	16	0.38	-
8	95	78			74	76	71	58	466	40	0.39	-
9	94	80			73	76	68	60	452	27	0.36	-
10	94	80			75	74	72	55	466	24	0.35	-
11	95	81			74	75	71	55	480	33	0.36	-
12	95	79			72	77	68	56	424	20	0.34	-
13	96	80			75	77	75	54	438	22	0.31	-
14	98	81			75	76	75	53	452	12	0.27	-
15	97	80			68	68	60	45	480	29	0.28	-
16	94	79			72	70	71	51	508	43	0.30	-
17	93	78			77	75	79	53	480	25	0.31	-
18	97	71			75	68	83	42	480	11	0.29	-
19	98	70			66	71	63	45	494	6	0.28	-
20	98	74			69	68	73	42	480	8	0.25	-
21	97	73			67	69	77	44	466	9	0.26	-
22	96	73			68	65	77	38	466	18	0.24	-
23	95	72			66	64	77	40	452	14	0.25	-
24	95	71			65	67	72	43	452	8	0.23	-
25	96	73			68	70	77	48	424	15	0.24	-
26	94	74			67	69	73	48	424	7	0.22	-
27	94	73			64	65	72	41	452	7	0.21	-
28	95	71			63	65	68	44	438	20	0.24	-
29	93	71			63	65	72	42		19	0.25	-
30	93	70			65	66	72	43		8	0.23	-
Tot:											9.32	0.00
Ave:	96	77								21		

MUZAFFAR GARH

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	71			65	65	69	41		11	0.24	-
2	95	73			64	65	68	38		12	0.25	-
3	97	73			63	66	64	37		7	0.24	-
4	98	74			66	66	69	37		6	0.22	-
5	98	74			65	66	65	37		10	0.23	-
6	98	75			67	67	66	40	424	8	0.22	-
7	98	76			69	64	73	36	395	6	0.21	-
8	96	76			69	67	77	40	395	10	0.22	-
9	99	75			68	67	77	38	395	5	0.26	-
10	100	75			67	63	73	33	409	10	0.23	-
11	99	74			65	62	72	34	395	5	0.21	-
12	97	75			68	65	73	49	409	12	0.23	-
13	89	70			67	65	77	46	381	24	0.26	-
14	91	72			65	62	72	41	339	15	0.25	-
15	91	72			64	63	72	41	353	8	0.24	-
16	92	71			63	63	68	46	381	13	0.26	-
17	90	70			61	60	67	38	339	8	0.23	-
18	90	68			64	59	76	40	367	6	0.21	-
19	88	70			63	60	72	42	367	7	0.20	-
20	88	69			64	61	76	44	339	6	0.19	-
21	87	67			63	59	75	41	353	5	0.17	-
22	86	67			63	60	72	42	367	16	0.20	-
23	89	68			63	63	68	43	367	12	0.21	-
24	90	69			61	63	67	47	353	11	0.20	-
25	87	67			61	61	71	44	367	17	0.22	-
26	87	69			63	61	72	40	353	8	0.18	-
27	90	69			64	63	76	43	381	8	0.19	-
28	90	67			63	61	80	44	339	9	0.17	-
29	88	66			63	59	75	41	353	9	0.18	-
30	88	67			64	61	76	42	367	10	0.19	-
31	89	68			62	60	71	42	353	12	0.20	-
Tot:											6.71	0.00
Ave:	92	71								10		

MUZAFFAR GARH

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	87	68			61	57	71	38		8	0.19	-
2	87	66			62	61	75	42		8	0.16	-
3	89	65			60	49	79	29		8	0.18	-
4	86	64			59	50	74	31		7	0.15	-
5	86	64			59	54	74	35		8	0.16	-
6	87	65			59	53	70	33		6	0.15	-
7	88	65			61	59	71	41		6	0.14	-
8	88	68			60	53	70	34		16	0.17	-
9	88	64			55	51	69	30		6	0.15	-
10	88	63			54	47	63	26	282	9	0.16	-
11	87	64			57	48	69	28	311	10	0.14	-
12	86	65			59	48	74	32	282	13	0.15	-
13	83	64			56	47	73	31	254	11	0.14	-
14	82	57			56	48	82	33	282	9	0.13	-
15	82	58			56	49	78	34	282	10	0.14	-
16	83	55			56	50	82	37	268	5	0.12	-
17	82	57			52	49	81	36	311	6	0.13	-
18	80	55			51	46	81	33	282	4	0.11	-
19	80	53			50	49	81	40	282	8	0.12	-
20	79	54			32	28	40	21	296	12	0.13	-
21	76	47			36	14	58	11	240	23	0.15	-
22	78	38			33	26	67	17	296	8	0.12	-
23	79	38			33	26	67	17		10	0.11	-
24	78	41			38	26	76	16	282	5	0.10	-
25	80	41			39	24	77	13	296	6	0.12	-
26	82	43			39	19	70	10	282	4	0.11	-
27	82	44			37	46	64	41	268	4	0.10	-
28	76	40			40	49	77	45	282	5	0.09	-
29	75	39			38	46	83	39	282	6	0.11	-
30	77	40			42	49	92	45	268	3	0.09	-
Tot:											4.08	0.00
Ave:	83	55								8		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	40			35	47	74	44	254	4	0.08	-
2	75	39			36	46	82	41	282	9	0.09	-
3	76	38			35	48	74	42	198	7	0.10	-
4	76	39			37	48	83	42	212	3	0.08	-
5	77	39			38	45	83	36	254	4	0.09	-
6	77	40			42	47	92	37	240	3	0.07	-
7	78	42			40	43	84	32	226	4	0.09	-
8	76	43			43	44	85	33	240	5	0.08	-
9	77	43			43	44	92	35	240	13	0.10	-
10	75	42			42	46	92	41	226	6	0.09	-
11	74	42			39	45	84	40	254	5	0.07	-
12	73	40			35	47	74	44	254	7	0.08	-
13	73	39			39	46	91	38	240	6	0.08	-
14	73	40			42	48	92	42	268	6	0.08	-
15	75	40			43	49	92	43	226	4	0.07	-
16	76	39			41	46	92	41	198	5	0.08	-
17	78	39			40	45	91	38	212	5	0.08	-
18	77	41			41	51	77	47	212	7	0.08	-
19	76	42			43	53	92	47	212	9	0.10	-
20	76	41			39	51	84	47	226	7	0.09	-
21	75	41			41	50	92	48	212	5	0.08	-
22	74	42			39	48	84	47	184	7	0.09	-
23	73	40			41	44	92	42	198	6	0.08	-
24	72	40			42	50	92	48	226	4	0.07	-
25	73	42			42	53	92	56	198	6	0.07	-
26	72	40			40	51	91	52	198	6	0.08	-
27	74	40			39	45	91	46	212	5	0.07	-
28	71	40			41	44	92	42	212	9	0.09	-
29	70	42			42	47	92	49	184	7	0.08	-
30	70	43			43	41	92	42	198	13	0.10	-
31	73	44			44	42	92	36	212	11	0.11	-
Tot:											2.60	0.00
Ave:	75	41								6		

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Location	Latitude 25°03', Longitude 69°34', in the compound walls of Live Stock Farm about one mile from Nabisar Road Railway Station and 30 miles from Umar Kot.
Elevation	
Period of record	The station was established by the Project Director, Project Planning, Southern Zone (old L.I.P) on 26.8.63 and taken over by Surface Water Hydrology Project in December 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 0.48 inches Evaporation (Pan) 146.36 inches Absolute maximum air temperature 113 °F Absolute minimum air temperature 40 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

HABISAR ROAD

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	44	74	46	30	11	49	12	27	0.20	-
2	73	43	75	45	35	13	62	15	27	0.21	-
3	70	40	73	43	21	9	39	5	24	0.16	-
4	72	42	74	44	27	23	47	24	53	0.18	-
5	74	41	76	43	17	23	29	21	59	0.22	-
6	76	44	75	42	22	18	32	18	83	0.27	-
7	73	43	70	42	28	32	44	34	41	0.25	-
8	76	42	72	41	26	32	32	29	57	0.29	-
9	78	44	74	42	30	35	49	32	36	0.31	-
10	80	46	76	44	25	40	35	37	12	0.33	-
11	82	49	79	46	36	45	58	40	16	0.30	-
12	86	50	80	48	32	45	40	38	18	0.32	-
13	84	46	81	45	39	42	70	36	34	0.31	-
14	83	48	80	46	39	41	65	30	16	0.29	-
15	84	46	78	44	29	29	41	16	17	0.30	-
16	82	47	77	46	36	12	58	7	26	0.28	-
17	84	46	79	45	29	27	41	14	9	0.24	-
18	83	48	78	46	37	42	64	27	10	0.29	-
19	80	44	76	43	36	34	69	19	20	0.27	-
20	82	46	74	44	26	37	38	22	57	0.25	-
21	84	47	76	45	25	53	35	40	55	0.26	-
22	81	45	77	43	23	46	34	29	21	0.23	-
23	83	44	78	43	31	55	50	39	28	0.24	-
24	86	45	80	42	34	57	52	40	20	0.26	-
25	88	48	78	45	23	60	24	42	54	0.24	-
26	89	56	80	50	55	64	69	53	118	0.22	-
27	85	50	81	48	50	67	87	54	117	0.25	-
28	87	48	82	45	41	61	71	51	23	0.23	-
29	83	44	78	40	33	64	56	59	22	0.20	-
30	86	46	76	44	50	69	76	60	43	0.21	-
31	85	50	80	47	59	65	79	56	95	0.18	-
Tot.										7.79	0.00
Avg.	81	46	77	44					40		

HABISAR ROAD

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	56	81	50	46	52	56	53	163	0.28	-
2	80	48	77	44	41	55	71	58	30	0.21	-
3	75	44	73	40	32	52	55	53	28	0.22	-
4	78	43	74	39	26	47	42	47	20	0.20	-
5	75	40	72	36	25	41	46	41	32	0.19	-
6	76	38	73	41	27	50	47	48	33	0.21	-
7	80	44	77	42	26	50	42	43	41	0.24	-
8	82	46	80	40	26	54	38	43	53	0.26	-
9	88	44	86	38	26	54	42	48	43	0.30	-
10	86	42	84	46	36	54	58	46	16	0.24	-
11	87	44	82	48	50	53	76	47	63	0.30	-
12	84	58	80	50	57	53	78	45	67	0.26	-
13	86	57	81	53	54	56	68	46	116	0.28	-
14	83	50	80	48	43	52	63	42	95	0.32	-
15	82	52	80	47	45	55	63	49	50	0.27	-
16	84	54	81	49	41	53	53	47	35	0.25	-
17	82	52	80	48	42	50	58	46	18	0.20	-
18	80	52	78	47	38	54	47	43	18	0.22	-
19	82	50	80	46	38	49	51	34	34	0.24	-
20	84	52	81	48	41	53	53	34	32	0.26	-
21	88	54	83	49	42	48	58	27	20	0.27	-
22	87	55	84	52	57	46	78	24	62	0.30	-
23	88	60	84	54	61	53	79	34	73	0.28	-
24	90	62	86	57	58	57	66	42	138	0.34	-
25	87	64	84	60	63	58	80	43	89	0.32	-
26	88	62	83	61	59	55	74	37	38	0.30	-
27	90	60	85	56	47	50	44	33	46	0.33	-
28	89	64	82	60	49	56	43	44	32	0.35	-
Tot:										7.44	0.00
Ave:	84	52	80	48					53		

NABISAR ROAD

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	66	84	58	50	57	43	38	26	0.38	-
2	90	64	87	62	50	61	46	47	64	0.40	-
3	94	66	90	60	49	67	51	49	16	0.36	-
4	96	62	92	58	42	69	36	50	24	0.33	-
5	98	58	93	60	51	54	18	26	25	0.30	-
6	96	60	90	58	59	60	79	34	37	0.27	-
7	95	58	91	56	60	57	79	30	55	0.29	-
8	98	60	92	54	52	53	63	24	26	0.31	-
9	100	62	94	55	47	59	49	31	22	0.32	-
10	102	60	99	56	51	52	59	23	25	0.36	-
11	103	61	96	60	56	63	61	30	23	0.33	-
12	104	60	99	58	57	70	62	38	4	0.34	-
13	105	60	97	57	59	65	62	30	23	0.36	-
14	106	62	96	59	48	60	40	24	28	0.34	-
15	107	61	97	60	54	57	48	21	39	0.38	-
16	108	64	99	60	51	49	41	19	56	0.40	-
17	103	68	96	62	61	54	63	21	128	0.36	-
18	106	70	98	64	64	46	68	8	207	0.39	-
19	104	71	95	65	61	54	60	26	171	0.48	-
20	100	70	93	63	63	58	64	32	126	0.44	-
21	98	66	92	64	64	55	72	28	89	0.40	-
22	97	65	93	63	61	55	60	25	122	0.46	-
23	99	69	94	64	64	63	72	36	202	0.50	-
24	100	70	93	66	71	64	82	35	124	0.52	-
25	101	68	92	67	68	38	77	41	138	0.54	-
26	97	66	90	62	57	55	55	28	126	0.45	-
27	96	62	92	58	42	57	36	27	40	0.46	-
28	100	64	94	57	50	50	46	20	33	0.40	-
29	101	65	93	60	51	54	41	23	42	0.42	-
30	102	64	96	58	48	59	40	26	40	0.45	-
31	104	62	97	56	50	53	46	18	43	0.47	-
Total										12.21	0.00
Avg:	100	64	94	60					69		

NABISAR ROAD

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	106	60	96	59	54	54	57	21	25	0.38	-
2	102	64	98	60	61	46	63	15	23	0.36	-
3	106	68	100	66	65	55	65	20	77	0.41	-
4	108	72	94	66	64	56	59	23	161	0.56	-
5	104	68	96	64	70	56	74	22	140	0.54	-
6	106	70	98	66	61	65	51	28	28	0.38	-
7	107	74	99	68	67	68	60	29	33	0.36	-
8	110	72	100	66	61	64	47	26	15	0.38	-
9	107	74	96	67	65	61	53	26	46	0.40	-
10	106	72	97	64	62	64	50	26	79	0.40	-
11	108	75	100	70	69	65	60	32	136	0.47	-
12	104	74	96	71	66	66	56	31	149	0.51	-
13	106	76	97	72	67	71	57	39	157	0.49	-
14	104	74	96	70	63	64	47	29	51	0.46	-
15	105	76	95	68	65	63	53	30	173	0.56	-
16	104	75	96	70	64	66	53	31	191	0.60	-
17	106	76	97	70	65	71	53	39	84	0.56	-
18	102	74	96	68	61	68	44	35	24	0.50	-
19	103	75	99	70	66	59	56	26	106	0.48	-
20	102	73	95	67	63	58	53	26	190	0.52	-
21	100	72	93	64	61	57	51	27	125	0.54	-
22	100	71	94	63	58	54	50	26	41	0.50	-
23	98	70	92	61	55	55	49	25	29	0.48	-
24	100	72	94	60	55	57	51	25	31	0.44	-
25	104	70	96	62	58	57	50	23	51	0.50	-
26	104	72	100	66	67	59	73	23	55	0.52	-
27	108	76	104	70	67	59	66	25	81	0.56	-
28	105	74	100	68	68	59	69	26	181	0.60	-
29	104	76	101	70	78	62	66	27	178	0.61	-
30	105	77	102	71	78	59	63	26	82	0.58	-
Tot:										14.65	0.00
Ave:	104	72	97	67					91		

NABISAR ROAD

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	76	100	70	68	77	66	25	52	0.55	-
2	102	73	98	67	65	57	65	27	37	0.50	-
3	100	75	96	64	63	63	61	30	29	0.38	-
4	104	77	100	70	68	59	66	25	55	0.44	-
5	106	76	102	71	68	63	63	24	69	0.51	-
6	109	77	103	72	69	59	64	22	119	0.56	-
7	108	76	100	70	66	59	63	26	156	0.60	-
8	104	75	99	67	65	62	65	27	175	0.56	-
9	106	76	100	69	68	65	66	27	172	0.61	-
10	109	79	106	72	70	69	67	32	156	0.62	-
11	108	80	104	73	72	68	68	33	140	0.63	-
12	105	76	100	72	73	71	65	36	93	0.55	-
13	106	79	102	77	72	71	68	39	129	0.60	-
14	103	78	100	72	71	73	74	40	85	0.54	-
15	104	76	101	70	70	73	74	42	50	0.57	-
16	103	77	100	71	71	75	74	43	29	0.60	-
17	104	76	100	70	70	76	74	41	32	0.64	-
18	108	78	102	72	70	71	67	34	98	0.66	-
19	107	76	103	70	69	66	70	27	166	0.64	-
20	112	80	105	73	71	71	61	30	30	0.70	-
21	113	78	107	73	67	68	52	29	44	0.71	-
22	110	80	103	74	71	65	61	28	168	0.66	-
23	108	78	103	72	69	63	60	28	213	0.60	-
24	106	80	102	73	69	64	58	26	185	0.64	-
25	107	82	103	74	72	69	68	34	196	0.60	-
26	109	81	104	72	72	72	62	37	122	0.58	-
27	110	83	105	75	74	73	68	40	193	0.62	-
28	107	82	103	74	75	71	69	39	236	0.65	-
29	104	78	102	72	69	66	64	31	271	0.68	-
30	105	76	100	70	69	69	70	57	284	0.70	-
31	104	77	101	72	71	66	70	33	264	0.66	-
Tot:										18.56	0.00
Ave:	106	78	102	71					131		

NABISAR ROAD

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	76	96	68	69	67	70	40	258	0.68	-
2	100	74	97	70	69	68	73	38	214	0.70	-
3	101	76	96	70	66	71	63	39	182	0.64	-
4	103	76	99	72	69	73	67	40	167	0.63	-
5	104	79	100	73	71	48	74	41	119	0.60	-
6	108	80	102	74	73	71	71	34	73	0.64	-
7	110	81	104	73	73	69	68	34	98	0.70	-
8	107	80	103	72	71	72	61	38	251	0.66	-
9	106	82	104	73	72	69	62	37	175	0.60	-
10	104	80	100	72	72	68	68	38	241	0.56	-
11	102	82	99	70	67	67	52	40	232	0.54	-
12	104	80	100	72	68	69	52	39	221	0.50	-
13	102	82	98	73	71	71	58	39	183	0.52	-
14	104	81	100	70	68	73	55	40	206	0.56	-
15	106	82	102	74	72	76	59	47	196	0.52	-
16	103	80	100	72	71	77	58	45	219	0.55	-
17	104	81	101	73	73	80	65	48	219	0.51	-
18	105	82	100	74	73	70	57	36	231	0.53	-
19	104	80	100	73	70	74	55	44	201	0.50	-
20	102	81	99	75	72	72	62	38	204	0.54	-
21	104	80	100	76	74	76	68	41	232	0.52	-
22	106	81	102	77	75	78	65	42	264	0.56	-
23	108	80	104	78	76	76	63	41	192	0.60	-
24	106	82	102	77	75	72	63	35	176	0.62	-
25	107	80	103	76	73	70	62	36	194	0.64	-
26	104	81	101	78	76	74	63	44	226	0.66	-
27	102	80	100	76	73	76	62	45	275	0.67	-
28	104	82	101	77	74	72	60	43	246	0.70	-
29	100	80	97	74	73	74	62	48	200	0.66	-
30	99	79	96	75	72	73	62	48	186	0.58	-
Tot:										17.89	0.00
Ave:	104	80	100	74					203		

HABISAR ROAD

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	106	78	94	74	69	75	58	46	153	0.56	-
2	104	80	100	73	72	74	62	52	230	0.52	-
3	100	78	94	72	69	74	60	60	240	0.53	-
4	102	81	96	70	67	75	54	57	130	0.50	-
5	99	80	92	71	68	77	55	58	198	0.54	-
6	100	82	96	73	73	79	62	59	192	0.58	-
7	102	80	97	74	69	77	50	54	217	0.60	-
8	100	81	96	74	72	75	59	53	224	0.56	-
9	102	80	100	76	74	74	65	52	261	0.52	-
10	100	78	98	74	72	74	65	44	228	0.50	-
11	102	80	97	75	72	74	62	46	187	0.54	-
12	103	80	100	74	74	73	68	48	203	0.60	-
13	100	78	97	72	67	75	52	49	159	0.56	-
14	102	80	99	74	72	72	59	49	137	0.60	-
15	100	78	94	70	69	71	60	51	140	0.36	0.42
16	98	76	93	70	67	67	60	41	83	0.44	-
17	100	78	97	71	68	67	55	47	209	0.50	-
18	96	82	93	72	67	68	49	45	277	0.56	-
19	97	78	94	70	65	65	49	44	251	0.51	-
20	96	77	92	71	69	68	60	45	256	0.54	-
21	95	78	90	70	65	70	51	47	149	0.38	0.06
22	100	80	94	72	67	75	49	57	76	0.60	-
23	98	79	95	73	69	74	58	60	86	0.62	-
24	96	78	92	72	67	74	52	55	155	0.56	-
25	97	80	93	74	73	75	65	55	177	0.50	-
26	100	78	94	72	69	75	60	57	187	0.48	-
27	96	80	91	73	68	73	55	57	220	0.52	-
28	93	77	90	70	67	70	57	55	274	0.49	-
29	90	74	87	70	67	74	60	60	268	0.56	-
30	94	78	90	73	73	75	65	57	206	0.50	-
31	96	80	92	74	70	75	55	55	188	0.56	-
Tot:										16.39	0.48
Ave:	99	79	94	72					192		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	98	78	93	75	71	73	61	50	208	0.55	-
2	100	80	94	73	67	71	52	51	196	0.52	-
3	96	82	92	74	71	74	61	60	188	0.50	-
4	94	80	90	72	68	75	58	57	164	0.40	-
5	96	82	92	74	71	77	61	61	157	0.48	-
6	95	80	90	72	67	76	52	63	200	0.52	-
7	93	78	88	70	65	73	53	62	235	0.54	-
8	92	76	87	72	70	72	67	68	192	0.44	-
9	88	78	84	70	69	74	70	68	192	0.34	-
10	89	76	86	72	70	72	67	65	180	0.38	-
11	88	74	82	70	66	73	56	62	146	0.40	-
12	90	77	84	71	67	73	57	65	174	0.48	-
13	88	80	86	72	69	75	64	69	171	0.38	-
14	90	80	87	74	72	77	68	76	144	0.44	-
15	88	78	84	72	70	80	67	87	134	0.29	-
16	86	76	83	70	71	80	74	76	139	0.32	-
17	90	78	85	72	69	77	60	72	183	0.30	-
18	91	79	86	74	72	78	65	69	208	0.33	-
19	92	80	87	72	68	80	55	74	233	0.36	-
20	94	82	89	73	71	77	61	69	226	0.42	-
21	92	80	88	72	69	79	60	70	205	0.46	-
22	94	79	90	73	71	77	67	72	189	0.40	-
23	91	80	87	74	72	78	67	64	146	0.38	-
24	94	76	93	72	73	73	68	78	119	0.39	-
25	95	78	92	73	69	77	75	58	105	0.41	-
26	98	80	94	74	71	73	60	48	119	0.44	-
27	100	78	96	72	69		61		135	0.48	-
28							60				
29											
30											
31											

NABISAR ROAD

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1											
2											
3											
4											
5											
6											
7											
8					71	76	64	60			
9	101	79	95	70	73	73	64	48	82	0.48	-
10	103	80	94	74	71	72	61	43	128	0.50	-
11	100	78	98	72	69	85	60	42	80	0.47	-
12	102	82	99	75	74	73	65	48	88	0.48	-
13	104	80	100	74	71	75	61	49	169	0.52	-
14	100	81	96	71	69	74	60	52	155	0.48	-
15	98	78	94	72	67	76	54	53	131	0.44	-
16	102	80	96	70	65	74	53	52	86	0.50	-
17	98	78	94	72	70	75	67	49	67	0.51	-
18	100	76	96	71	69	73	67	48	98	0.54	-
19	98	74	94	70	69	75	70	55	130	0.50	-
20	96	72	92	68	65	70	65	44	116	0.49	-
21	98	74	94	69	66	73	63	48	85	0.50	-
22	100	77	96	70	69		67		87	0.48	-
23											-
24	92	76			72		74		313+	0.87+	-
25											-
26	98	79	96	76	63	62	53	37	307+	0.94+	-
27	94	85	91	73	76	70	63	51	192	0.47	-
28	92	73	91	70	72	65	82	49	111	0.42	-
29	95	69	92	67	70	62	81	26	89	0.37	-
30	97	71	93	68	71	67	78	47	113	0.40	-

Tot:

Ave:

+ Two days observation.

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	72	92	67	67	67	66	43	79	0.39	-
2	93	76	91	71	61	59	51	36	98	0.43	-
3	92	69	90	67	73	72	82	54	89	0.40	-
4	93	75	90	73	74	72	83	49	104	0.32	-
5	97	80	94	75	61	68	83	38	53	0.30	-
6	100	78	96	73	71	75	74	46	41	0.34	-
7	101	70	97	68	67	54	66	21	63	0.35	-
8	102	76	100	73	63	48	58	17	52	0.33	-
9	104	72	98	75	56	44	46	14	38	0.36	-
10	106	65	98	63	50	45	43	15	33	0.40	-
11	104	68	94	63	67	55	73	25	53	0.40	-
12	100	72	91	65	74	71	86	49	119	0.46	-
13	95	75	91	70	76	73	87	52	137	0.35	-
14	94	72	90	70	80	75	46	57	31	0.29	-
15	95	74	92	71	76	69	91	42	28	0.33	-
16	97	73	95	71	67	73	69	50	37	0.35	-
17	100	76	96	73	68	69	81	39	27	0.32	-
18	101	71	98	69	70	61	81	28	25	0.30	-
19	103	70	98	69	65	58	72	26	5	0.30	-
20	102	69	91	66	59	71	57	39	16	0.32	-
21	101	70	97	67	60	64	54	33	17	0.27	-
22	102	68	98	66	63	55	64	24	20	0.32	-
23	101	72	90	65	72	58	78	26	81	0.40	-
24	100	70	94	68	75	59	95	28	53	0.36	-
25	101	66	98	65	64	63	76	33	11	0.28	-
26	100	72	96	70	65	49	65	20	23	0.29	-
27	101	74	98	69	67	57	66	25	62	0.40	-
28	99	69	93	66	66	43	77	16	97	0.41	-
29	98	71	94	68	66	56	69	26	12	0.38	-
30	100	73	97	70	70	58	81	29	17	0.31	-
31	99	67	92	64	59	59	59	31	41	0.33	-
Tot:										10.79	0.00
Ave:	100	72	94	69					51		

HABISAR ROAD

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inche
1	95	68	90	65	73	68	91	45	58	0.31	-
2	96	70	91	67	71	69	78	46	73	0.33	-
3	97	71	94	66	68	68	77	45	47	0.35	-
4	95	70	92	67	68	65	81	44	30	0.30	-
5	94	72	90	64	67	67	73	41	24	0.26	-
6	97	70	92	63	61	69	67	42	5	0.31	-
7	98	66	90	60	57	74	65	52	5	0.28	-
8	97	64	91	61	59	67	79	43	15	0.30	-
9	96	66	90	60	59	65	74	44	34	0.32	-
10	94	63	88	60	56	65	61	41	46	0.30	-
11	96	64	85	58	54	54	60	26	18	0.25	-
12	97	63	90	60	54	54	57	24	13	0.27	-
13	96	64	91	58	54	54	60	33	11	0.30	-
14	93	60	90	56	50	50	55	26	18	0.27	-
15	92	61	87	54	44	44	45	23	11	0.29	-
16	90	60	86	55	50	39	58	19	10	0.25	-
17	93	61	87	56	50	43	55	21	16	0.22	-
18	94	60	88	54	50	47	58	23	24	0.26	-
19	95	58	86	50	45	41	52	20	22	0.23	-
20	90	54	85	48	38	35	38	17	17	0.20	-
21	86	52	80	48	35	25	36	13	23	0.25	-
22	85	50	80	46	32	38	34	21	31	0.22	-
23	84	48	78	44	18	18	18	19	22	0.25	-
24	83	49	80	42	16	16	17	18	50	0.27	-
25	80	44	77	38	-31	-31	2	20	40	0.22	-
26	82	46	78	40	-1	-1	8	19	24	0.26	-
27	84	48	80	41	13	13	15	21	11	0.24	-
28	86	50	82	42	18	18	18	13	18	0.20	-
29	84	48	80	40	5	5	11	11	12	0.22	-
30	85	47	82	41	19	19	22	16	16	0.18	-
Tot:										7.91	0.00
Ave:	91	59	86	53					25		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	83	46	80	40	17	40	20	26	4	0.16	-
2	84	49	81	42	28	33	35	21	25	0.20	-
3	86	53	82	44	35	26	42	40	22	0.23	-
4	88	54	80	46	38		44		16	0.20	-
5	90	55	86	44	33	4	35	3	10	0.22	-
6	91	53	87	43	30	10	33	5	8	0.26	.
7	90	52	86	44	37	31	46	30	6	0.20	-
8	88	50	84	42	34	43	44	21	3	0.17	-
9	90	52	87	44	43	51	73	30	6	0.19	-
10	91	50	86	43	35	45	45	27	13	0.21	-
11	88	52	86	44	34	33	44	20	32	0.20	-
12	84	48	82	40	31	1	42	5	36	0.19	-
13	80	46	77	38	29	1	45	6	48	0.14	-
14	86	48	80	42	33		47		18	0.11	-
15	84	50	81	43	35	3	49	5	14	0.14	-
16	88	48	82	41	36	19	58	10	10	0.13	-
17	84	44	80	40	33	3	56	5	14	0.13	-
18	86	47	82	41	36	43	58		14	0.14	-
19	84	48	80	40	36	12	53	7	16	0.16	-
20	83	47	78	41	36		58		10	0.17	-
21	84	48	80	40	29		41		12	0.19	-
22	82	50	77	42	37	-16	50	2	10	0.21	-
23	84	51	76	44	35	12	49	7	16	0.14	-
24	86	50	78	45	37	-17	50	2	11	0.16	-
25	82	48	76	40	33	-16	47	2	19	0.18	-
26	84	47	78	43	39	2	65	4	9	0.20	-
27	86	49	80	42	34	-6	52	3	8	0.22	-
28	84	50	80	44	40		60		4	0.19	-
29	83	51	78	44	40		56		3	0.20	-
30	84	50	80	45	47		57		9	0.22	-
31	82	52	78	42	34		44		11	0.16	-
Tot:										5.62	0.00
Ave:	85	50	81	42					14		

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Location	Latitude 34°30', Longitude 73°01', near Old Fort at Oghi.
Elevation	3,700 ± ft msl.
Period of record	Recording rain gauge station by Surface Water Hydrology Project since 1960; other instruments installed in October 1969.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. Pyrheliometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record. (-) indicates no precipitation.

OGHI

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	44			47	51	70	48	268			-
2	78	44			47	51	75	48	296			-
3	77	44			46	45	80	39	184			-
4	79	44			41	49	45	44	212			-
5	76	46			47	33	86	28	127			-
6	72	48			49	27	67	21	170			-
7					42	51	68	60	198			-
8	79	43			47	45	75	39	198			-
9	77	43			47	52	75	64	198			-
10	74	44			45	53	80	73	141			-
11	69	44			47	36	81	79	212			-
12	70	45			49	49	93	81	170			0.39
13	63	41			51	45	77	50	198			-
14	64	48			49	41	71	45	212			-
15	70	37			43	38	92	43	212			-
16	70	38			43	35	92	38	198			-
17	66	35			37	37	77	39	170			-
18	70	34			37	45	52	53	170			-
19	70	39			43	43	92	79	56			0.26
20	52	38			43	45	92	75	99			0.65
21	54	37			44	37	74	45	184			0.03
22	62	34			37	41	91	51	184			-
23	64	32			36	35	70	47	198			-
24	66	33			33	31	69	41	170			-
25	68	33			27	34	72	54	184			-
26	69	31			27	41	38	67	198			-
27	69	30			32	32	62	67	184			-
28	67	30			30	35	66	36	198			-
29	68	31			29	38	55	51	198			-
30	67	31			33	32	82	36	184			-
Tot:												1.33
Ave:												

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	62	31			33	34	75	40	170			-
2	63	29			31	5	74	11	170			-
3	65	34			31	30	52	74	155			-
4	70	31			29	29	55	73	170			-
5	69	34			40	42	84	63	170			0.01
6	68	35			38	32	78	81	155			-
7	69	33			35	33	91	90	141			-
8	71	36			36	29	76	40	127			-
9	73	34			35	34	83	43	113			-
10	67	33			34	25	82	34	127			-
11	67	33			36	39	76	67	113			-
12	66	31			36	35	76	51	113			-
13	68	31			31	39	74	53	127			-
14	68	29			31	32	81	45	127			-
15	68	35			32	35	62	51	113			-
16	68	33			29	32	66	39	127			-
17	65	30			32	27	81	26	127			-
18	63	31			28	48	73	59	99			-
19	70	30			26	32	64	34	155			-
20	67	29			28	34	89	37				-
21	68	28			30	29	90	40				-
22	63	28			23	19	69	25	113			-
23	65	27			19	6	59	13	113			-
24	64	27			30	37	90	60	99			-
25	65	29			23	27	62	35	127			-
26	65	30			22	38	61	57	127			-
27	67	28			26	19	79	23	113			-
28	65	28			29	33	89	53	113			-
29	62	30			31	31	74	48	127			-
30	55	38			34	39	75	67	71			-
31	63	32			34	47	54	70	113			-
Tot:												0.01
Ave:	66	31										

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Location Latitude 26°49', Longitude 68°18', in the air field at Padidan on the right bank of Nurrat Canal, about 1½ miles from Railway station.

Elevation

Period of record The station was established by the Project Director, Project Planning, Southern Zone (old L.I.P) on 24.1.64 and taken over by Surface Water Hydrology Project in December 1965.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	1.60 inches
Evaporation (Pan)	134.91 inches
Absolute maximum air temperature	122 °F
Absolute minimum air temperature	35 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	72	37			34	35	82	32	45	0.12	-
2	69	35			30	30	72	26	34	0.12	-
3	69	32			28	28	79	23	43	0.14	-
4	69	34			28	30	71	25	23	0.12	-
5	69	33			27	28	70	23	23	0.12	-
6	70	35			31	28	50	23	51	0.15	-
7	67	36			29	34	64	27	28	0.09	-
8	73	39			35	30	68	21	46	0.15	-
9	71	43			37	38	76	27	44	0.15	-
10	76	43			43	37	73	24	23	0.14	-
11	78	54			48	35	75	23	32	0.15	-
12	77	49			43	38	73	27	52	0.15	-
13	75	35			32	34	73	26	51	0.16	-
14	74	32			26	41	70	31	31	0.15	-
15	73	33			22	32	60	22	29	0.12	-
16	74	35			33	45	67	40	34	0.14	-
17	72	37			34	38	82	27	48	0.13	-
18	75	37			36	39	82	28	19	0.13	-
19	75	39			33	41	74	30	33	0.14	-
20					35	41	62	31	45	0.15	-
21	75	41			37	35	76	23	42	0.15	-
22	77	41			32	31	61	18	31	0.14	-
23	78	43			37	39	76	24	26	0.15	-
24					36	30	53	13	23	0.16	-
25	83	46			40	47	71	35	29	0.15	-
26	81	49			49	43	58	29	92	0.20	-
27	80	42			39	30	70	21	65	0.22	-
28	76	43			35	28	68	18	30	0.17	-
29	78	41			36	35	75	22	16	0.15	-
30	80	42			39	35	70	22	69	0.21	-
31	78	47			47	49	74	30	31	0.16	-
Tot:										4.39	0.00
Ave:									38		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	85	46			40	34	71	27	112	0.28	-
2	72	39			30	41	65	33	24	0.16	-
3	73	37			28	23	64	16	52	0.17	-
4	75	39			32	32	73	24	44	0.16	-
5	72	35			25	26	62	17	72	0.22	-
6	75	37			30	24	72	15	21	0.14	-
7	77	36			29	21	53	13	29	0.17	-
8	77	40			29	26	53	16	37	0.16	-
9	77	35			21	24	52	14	43	0.19	-
10	79	36			38	40	83	27	28	0.18	-
11	80	41			35	39	68	24	25	0.16	-
12					35	51	57	59	26	0.17	-
13	81	46			38	39	79	31	58	0.13	0.05
14	73	43			35	45	68	38	41	0.17	-
15	74	45			36	49	64	45	91	0.20	-
16	72	47			47	50	80	43	66	0.18	-
17	74	46			42	47	78	45	42	0.13	-
18	77	44			36	38	69	25	36	0.17	-
19	78	42			38	34	70	19	50	0.27	-
20	81	44			38	35	70	17	31	0.19	-
21	35	46			41	31	71	15	30	0.20	-
22	88	46			32	40	55	22	53	0.25	-
23	84	47			19	47	71	26	41	0.19	-
24	89	50			50	53	81	31	54	0.26	-
25	88	55			51	47	71	25	33	0.22	-
26	90	56			52	55	71	37	56	0.25	-
27	85	53			50	43	71	25	56	0.24	-
28	84	50			46	46	69	27	68	0.26	-
Tot:										5.47	0.05
Ave:									47		

PADIDAN

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	48			46	46	79	23	43	0.25	-
2	89	50			42	43	59	19	51	0.28	-
3	91	54			43	63	65	14	43	0.29	-
4	95	55			52	43	81	18	28	0.28	-
5	94	54			47	43	69	18	35	0.29	-
6	95	52			37	43	46	18	48	0.31	-
7	94	54			49	51	56	24	35	0.29	-
8	95	54			49	35	70	35	39	0.28	-
9	100	57			47	43	65	18	32	0.30	-
10	94	57			61	65	75	12	50	0.32	-
11	101	60			46	26	56	7	42	0.35	-
12	103	56			44	37	51	10	40	0.38	-
13	104	57			59	43	62	13	42	0.39	-
14	103	58			54	46	60	17	60	0.42	-
15	103	60			56	65	55	12	39	0.40	-
16	105	60			51	45	47	17	29	0.39	-
17	99	61			56	47	61	16	85	0.40	-
18	103	66			63	51	75	24	69	0.43	-
19	96	60			65	60	80	38	65	0.60	0.75
20	92	67			65	55	80	28	41	0.22	-
21	97	63			53	43	53	16	36	0.31	-
22	98	66			63	49	75	19	96	0.41	-
23	102	69			65	60	69	34	68	0.43	-
24	94	68			67	59	72	28	58	0.36	-
25	98	70			63	57	68	30	98	0.41	-
26	100	55			47	44	57	23	106	0.47	-
27	89	55			47	39	57	16	68	0.42	-
28	93	62			56	39	61	15	55	0.35	-
29	95	58			50	38	58	14	36	0.35	-
30	99	60			52	62	53	10	37	0.38	-
31	101	59			42	36	34	11	57	0.44	-
Tot:										11.20	0.75
Ave:	97	59							53		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	60			48	40	40	12	38	0.41	-
2	104	64			47	38	35	10	37	0.45	-
3	108	63			53	38	45	10	47	0.44	-
4	108	70			52	44	44	14	51	0.43	-
5	103	63			51	34	47	11	6	0.54	-
6	99	64			55	44	49	16	65	0.44	-
7	101	73			53	40	38	11	50	0.42	-
8	106	73			56	42	44	12	45	0.44	-
9	109	74			55	48	37	16	50	0.48	-
10	108	73			56	43	40	13	120	0.55	-
11	106	77			59	44	44	14	64	0.46	-
12	106	75			61	52	49	21	117	0.61	-
13	103	74			62	58	58	26	106	0.49	-
14	99	75			62	7	50	12	56	0.38	-
15	108	80			57	54	37	23	109	0.59	-
16	103	76			45	32	30	11	144	0.60	-
17	96	60			39	39	28	14	84	0.53	-
18	97	66			46	43	34	13	59	0.47	-
19	104	69			57	52	49	19	117	0.61	-
20	106	74			61	52	44	23	128	0.62	-
21	96	70			39	26	28	10	84	0.49	-
22	93	59			49	30	35	10	72	0.47	-
23	99	59			46	30	39	9	38	0.45	-
24	100	65			51	33	39	9	42	0.46	-
25	105	66			42	31	27	8	40	0.45	-
26	108	67			49	32	36	8	84	0.58	-
27	108	76			55	42	39	11	82	0.54	-
28	111	73			62	51	52	19	127	0.73	-
29	103	70			62	29	55	9	59	0.50	-
30	99	58			40	39	27	11	51	0.51	-
Tot:										15.14	0.00
Ave:	103	69							72		

PADUCAH

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	75			51	35	35	14	76	0.51	-
2	93	67			45	62	30	10	66	0.40	-
3	99	68	91	65	50	48	37	16	121	0.57	-
4	104	77	97	68	52	49	36	17	84	0.52	-
5	103	74	100	71	56	46	36	14	60	0.45	-
6	106	72	102	66	57	51	42	16	74	0.60	-
7	110	74	97	67	65	49	59	14	118	0.65	-
8	109	77	100	72	72	56	68	20	88	0.56	-
9	110	80	100	70	71	47	64	12	112	0.55	-
10	113	81	105	73	67	61	52	32	112	0.63	-
11	102	80	92	74	60	60	42	26	130	0.55	-
12	104	78	102	73	64	43	48	13	71	0.53	-
13	108	78	99	65	57	43	40	16	131	0.70	-
14	99	73	93	66	61	47	54	20	81	0.59	-
15	96	73	95	67	61	34	54	11	71	0.49	-
16	98	72	97	67	55	34	39	10	44	0.44	-
17	102	72	100	68	46	41	27	10	39	0.45	-
18	109	74	101	70	61	35	47	8	66	0.52	-
19	111	72	98	70	55	41	37	10	94	0.67	-
20	109	74	104	68	69	42	60	11	59	0.55	-
21	109	77	101	69	57	45	33	11	49	0.51	-
22	113	74	99	66	62	52	45	15	115	0.73	-
23	115	78	100	70	69	57	58	18	72	0.70	-
24	110	79	99	70	71	61	56	20	85	0.73	-
25	113	80	105	76	71	63	58	22	86	0.57	-
26	112	82	103	77	62	51	37	14	47	0.53	-
27	113	87	104	76	66	41	36	8	93	0.68	-
28	119	86	102	74	59	43	30	8	122	0.84	-
29	120	87	105	75	71	43	51	8	125	0.85	-
30	121	84	103	77	74	43	57	9	112	0.74	-
31	119	80	107	77	69	36	50	7	107	0.66	-
Tot:										18.47	0.00
Ave:	108	77							87		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	116	81	104	76	71	52	54	15	153	0.68	-
2	114	80	105	74	67	60	49	21	148	0.67	-
3	108	83	106	77	72	45	59	12	126	0.64	-
4	111	83	103	77	72	57	59	18	97	0.55	-
5	111	82	105	77	72	49	62	13	118	0.56	-
6	111	80	103	74	68	36	52	7	93	0.62	-
7	116	81	103	74	65	41	49	8	110	0.69	-
8	119	81	106	73	64	34	48	7	86	0.63	-
9	114	83	103	74	69	42	55	9	105	0.66	-
10	115	80	105	75	68	40	52	8	91	0.57	-
11	116	81	105	76	70	39	53	8	104	0.60	-
12	115	80	105	76	70	58	55	19	100	0.60	-
13	111	81	103	76	73	53	65	15	137	0.60	-
14	111	81	104	77	72	51	62	15	156	0.63	-
15	115	82	105	77	72	52	59	15	132	0.57	-
16	111	82	106	77	71	56	56	17	124	0.52	-
17	112	83	104	77	72	52	59	15	140	0.63	-
18	112	84	104	79	73	55	62	16	171	0.62	-
19	112	83	103	80	73	39	62	8	190	0.65	-
20	119	83	108	79	77	43	69	8	171	0.63	-
21	120	82	109	79	75	39	65	7	129	0.60	-
22	121	83	106	79	75	34	65	6	147	0.61	-
23	122	83	107	80	75	53	65	14	134	0.60	-
24	121	83	104	79	77	56	72	16	228	0.69	-
25	114	82	108	74	70	39	55	21	114	0.67	-
26	121	81	104	75	68	47	52	10	131	0.72	-
27	120	82	102	76	72	51	59	13	121	0.69	-
28	117	81	107	76	72	61	62	19	135	0.63	-
29	114	84	89	79	75	65	69	26	163	0.62	-
30	109	85	106	78	70	57	51	17	88	0.48	-
Tot:										14.63	0.00
Ave:	115	82	104	77					131		

PADIDAN

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	113	83	107	78	73	61	62	22	172	0.62	-
2	109	82	104	78	74	60	68	19	203	0.58	-
3	115	84	106	79	73	54	59	16	102	0.54	-
4	111	83	104	82	71	63	58	22	164	0.60	-
5	112	83	102	80	72	62	62	21	192	0.70	-
6	112	81	107	77	71	63	61	22	167	0.65	-
7	112	81	105	75	72	63	62	22	178	0.59	-
8	111	81	103	76	72	62	59	21	178	0.69	-
9	112	83	103	77	73	63	62	23	200	0.60	-
10	110	83	105	77	73	80	62	28	196	0.59	-
11	111	83	106	78	73	65	62	23	164	0.52	-
12	111	82	107	78	75	68	69	27	167	0.57	-
13	110	84	108	80	75	63	65	23	112	0.53	-
14	110	85	107	78	77	65	72	26	135	0.60	-
15	111	87	108	81	77	73	61	48	99	0.49	-
16	97	87	93	83	80	68	70	27	92	0.30	-
17	110	83	105	79	73	65	62	22	183	0.63	-
18	114	84	108	79	73	71	59	34	138	0.64	-
19	111	86	106	79	74	70	57	29	133	0.56	-
20	110	83	105	79	73	68	62	27	139	0.56	-
21	111	85	105	79	80	83	70	43	114	0.52	-
22	108	85	103	83	81	77	68	54	96	0.41	0.03
23	108	79	101	79	79	80	80	62	124	0.55	0.77
24	99	81	98	79	76	76	66	45	124	0.31	-
25	102	81	100	78	73	70	68	36	126	0.46	-
26	105	83	104	80	75	72	65	38	80	0.46	-
27	104	83	103	79	72	71	62	36	85	0.36	-
28	104	83	99	78	75	64	65	25	140	0.43	-
29	110	82	101	78	72	72	65	35	157	0.63	-
30	106	83	105	77	73	70	62	33	111	0.50	-
31	107	81	104	77	72	70	65	33	159	0.50	-
Tot:										16.69	0.80
Ave:	109	83	104	79					143		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	108	80	105	77	73	64	68	25	164	0.53	-
2	109	82	107	78	75	74	72	35	161	0.50	-
3	106	83	102	78	73	73	68	40	189	0.62	-
4	103	81	100	77	74	71	68	41	152	0.55	-
5	100	81	100	77	72	71	65	36	163	0.56	-
6	105	81	101	77	73	72	68	35	212	0.53	-
7	105	78	101	75	72	72	71	38	180	0.44	-
8	105	81	105	77	73	74	65	52	117	0.50	-
9	95	82	92	77	71	70	61	33	132	0.33	-
10	105	82	105	79	75	73	72	39	108	0.47	-
11	104	79	104	76	73	70	75	36	178	0.48	-
12	103	80	102	77	74	75	75	43	192	0.51	-
13	104	79	103	75	73	72	75	40	177	0.48	-
14	103	81	103	76	74	72	75	38	154	0.48	-
15	103	80	103	76	74	71	75	36	136	0.43	-
16	104	82	102	77	74	71	71	36	136	0.49	-
17	105	80	101	76	71	71	67	36	179	0.50	-
18	105	79	99	74	72	69	71	34	186	0.51	-
19	104	78	102	74	69	68	64	33	150	0.49	-
20	103	78	102	74	72	68	71	35	149	0.50	-
21	103	78	102	74	72	67	71	32	135	0.48	-
22	104	78	103	75	70	70	67	36	102	0.44	-
23	103	80	102	76	73	70	63	36	83	0.44	-
24	103	79	103	77	71	65	67	30	78	0.45	-
25	104	77	101	75	72	67	74	34	132	0.50	-
26	101	76	99	74	71	68	70	33	137	0.46	-
27	104	78	104	74	69	63	64	24	107	0.46	-
28	106	77	104	73	71	63	70	28	120	0.48	-
29	104	76	103	74	71	66	74	29	134	0.46	-
30	108	77	106	74	71	63	74	28	116	0.42	-
31	106	76	104	74	71	65	74	30	121	0.46	-
Tot:										14.95	0.00
Avg:	104	79	102	76					145		

PADIDAN

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	106	76	102	73	72	68	74	33	128	0.46	-
2	103	75	103	74	72	67	74	33	119	0.43	-
3	103	75	102	73	71	62	74	28	122	0.43	-
4	102	75	102	74	74	65	78	31	132	0.47	-
5	103	77	102	74	71	69	74	57	126	0.44	-
6	103	76	102	73	71	68	74	33	115	0.40	-
7	103	75	103	73	72	65	78	31	113	0.40	-
8	102	78	100	74	75	68	72	35	52	0.40	-
9	103	80	97	77	74	68	71	35	71	0.40	-
10	103	78	101	77	71	63	61	28	67	0.40	-
11	105	79	101	77	73	63	71	28	66	0.47	-
12	105	78	102	74	68	63	63	28	73	0.42	-
13	105	78	102	75	71	60	70	26	57	0.40	-
14	106	76	103	75	71	68	74	35	67	0.38	-
15	104	77	99	74	67	57	63	25	56	0.42	-
16	100	72	94	70	67	64	60	32	48	0.44	-
17	102	77	98	74	72	68	74	33	53	0.38	-
18	104	72	101	70	62	49	96	17	73	0.45	-
19	105	70	99	69	64	49	68	17	61	0.38	-
20	104	69	98	69	66	51	77	19	65	0.40	-
21	103	69	95	68	63	48	58	16	52	0.40	-
22	107	72	100	70	61	56	47	22	24	0.40	-
23	107	73	101	70	59	44	51	29	32	0.38	-
24	111	73	99	70	68	40	70	11	80	0.36	-
25	108	73	101	71	69	62	73	29	101	0.44	-
26	101	75	100	72	71	64	78	32	129	0.35	-
27	101	75	100	72	70	66	74	34	121	0.38	-
28	100	73	101	71	69	66	77	34	91	0.36	-
29	102	71	100	69	65	54	69	21	69	0.38	-
30	101	70	103	68	63	59	64	25	104	0.39	-
Tot:										12.21	0.00
Ave:	103	75	100	72					82		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	104	71	98	69	69	62	6	25	120	0.43	-
2	107	73	98	71	68	66	77	59	80	0.41	-
3	96	75	94	72	72	67	78	45	72	0.33	-
4	96	73	98	71	67	61	66	30	60	0.37	-
5	98	73	97	72	64	61	55	28	33	0.33	-
6	102	70	98	68	58	50	50	18	54	0.40	-
7	103	69	94	66	55	44	43	14	57	0.43	-
8	104	67	93	64	64	46	61	15	59	0.45	-
9	104	65	94	64	52	49	44	17	48	0.40	-
10	105	66	95	63	58	54	56	20		0.40	-
11	105	67	94	63	55	53	51	20	127+	0.38	-
12	104	67	94	63	63	57	72	27	79	0.39	-
13	99	67	93	66	64	42	76	15	63	0.36	-
14	99	71			70	58	81	15	46	0.29	-
15	101	71	95	69	57	54	27	29	54	0.32	-
16	99	72	93	70	65	59	72	23	87	0.36	-
17	98	71	92	70	66	61	80	28	63	0.33	-
18	97	71	93	70	64	59	65	33	39	0.28	-
19	99	67	96	67	59	49	62	28	29	0.30	-
20	102	69	93	65	54	53	54	19	36	0.34	-
21	101	66	90	65	57	58	49	22	51	0.35	-
22	101	64	92	63	54	54	48	26	44	0.35	-
23	103	62	91	62	55	50	58	23	53	0.36	-
24	103	63	94	63	59	55	74	18	28	0.28	-
25	96	66	95	65	61	59	67	27	49	0.30	-
26	101	65	93	64	58	66	59	27	30	0.32	-
27	102	64	91	63	57	49	62	34	48	0.30	-
28	100	65	93	62	60	50	67	19	57	0.32	-
29	102	61	90	61	53	56	53	20	92	0.34	-
30	93	62	89	62	63	26	80	29	38	0.26	-
31	93	62	90	65	60	69	79	34	33	0.26	-
Tot:										10.74	0.00
Ave:	101	68							56		

\+ Two days observation.

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	96	62	91	63	52	55	50	27	25	0.29	-
2	97	65	93	65	64	55	72	27	29	0.31	-
3	99	65	91	65	64	51	76	24	37	0.23	-
4	98	62	92	64	59	51	71	24	26	0.26	-
5	97	61	93	63	62	43	71	19	63	0.27	-
6	95	61	87	61	57	58	61	35	62	0.29	-
7	93	61	88	62	58	54	61	29	58	0.30	-
8	94	58	88	60	58	50	70	25	35	0.25	-
9	93	59	90	60	55	48	69	24	32	0.27	-
10	93	61	86	60	57	59	74	46	69	0.29	-
11	91	61	85	60	55	53	73	31	62	0.26	-
12	89	60	87	60	55	53	61	33	26	0.22	-
13	89	64	92	62	57	57	65	38	48	0.25	-
14	88	60	85	63	59	49	79	30	53	0.20	-
15	86	61	84	59	52	47	63	26	33	0.22	-
16	90	57	85	59	50	47	62	26	35	0.22	-
17	88	57	84	57	53	48	72	28	44	0.18	-
18	86	56	84	55	51	49	66	30	80	0.23	-
19	83	57	81	56	53	34	68	19	50	0.21	-
20	84	54	74	47	51	44	71	33	92	0.22	-
21	80	49	74	47	42	38	62	26	71	0.22	-
22	79	43	75	46	33	26	51	16	32	0.21	-
23	78	41	73	45	36	31	69	19	52	0.20	-
24	77	40	74	42	32	31	61	12	35	0.20	-
25	79	38	73	43	31	35	60	21	44	0.19	-
26	80	39	74	43	39	26	68	15	8	0.15	-
27	80	39	75	44	30	22	59	12	22	0.15	-
28	79	43	73	44	33	31	56	19	16	0.12	-
29	77	44	71	44	34	31	62	19	32	0.14	-
30	78	45	73	45	36	32	63	22	41	0.17	-
Tot:										6.62	0.00
Ave:	87	54	83	55					44		

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December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	75	43	71	46	36	31	69	19	23	0.14	-
2	77	45	76	44	37	31	64	19	28	0.17	-
3	77	49	76	45	46	40	69	26	29	0.14	-
4	81	51	80	49	45	34	68	19	20	0.12	-
5	84	51	77	52	46	42	69	28	25	0.12	-
6	82	51	76	52	45	35	68	21	35	0.16	-
7	81	51	78	50	42	43	62	26	20	0.14	-
8	85	47	79	51	36	43	53	31	35	0.16	-
9	79	49	75	49	39	38	65	25	36	0.14	-
10	80	47	76	49	40	40	71	27	36	0.14	-
11	80	46	76	47	36	49	63	33	36	0.16	-
12	79	42	75	46	39	41	84	30	42	0.15	-
13	77	40	74	44	36	41	82	31	21	0.16	-
14	75	41	73	45	39	34	84	24	22	0.14	-
15	77	40	73	44	39	32	91	22	17	0.12	-
16	76	41	72	45	40	38	84	26	22	0.12	-
17	76	41	72	45	33	38	67	26	33	0.15	-
18	76	41	72	45	41	37	92	24	25	0.16	-
19	78	40	73	45	37	44	83	33	17	0.12	-
20	78	40	73	45	40	43	91	30	24	0.12	-
21	78	42	74	45	43	41	85	38	28	0.12	-
22	77	43	72	45	39	45	84	35	60	0.15	-
23	75	43	71	45	39	44	84	34	46	0.15	-
24	75	43	71	45	39	42	84	34	33	0.12	-
25	76	43	71	45	38	46	70	39	27	0.12	-
26	77	42	73	45	39	45	84	36	21	0.12	-
27	76	44	72	45	43	31	92	19	21	0.12	-
28	76	42	73	45	39	45	84	38	30	0.12	-
29	74	44	71	45	42	49	78	45	32	0.12	-
30	73	43	68	48	46	49	92	45	52	0.10	-
31	74	45	71	48	43	46	85	39	53	0.13	-
Tot:										4.20	0.00
Ave:	78	44	74	46					31		

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Location Latitude 26°05', Longitude 68°58', nearly ½ mile on left side from 3rd milestone on Sanghar-Bakharo Pacca Road.

Elevation

Period of record The station was established by the Project Director, Project Planning, Southern Zone (old L.I.P) on 1.5.64, and taken over by Surface Water Hydrology Project in December 1965.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	0.48 inches
Evaporation (Pan)	123.91 inches
Absolute maximum air temperature	117 °F
Absolute minimum air temperature	35 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches
1	71	41	72	35	45	64	73	85	32	0.11
2	70	38	70	43	27	62	70	84	24	0.15
3			71	41	-8	61	8	84	24	0.17
4	71	41	71	40		60		84	26	0.19
5	71	35	71	39	37	65	54	85	30	0.20
6	71	43	68	42	54	61	77	84	41	0.21
7	67	37	60	40	42	59	58	83	24	0.23
8	74	41	70	44	45	63	60	80	40	0.24
9	75	44	72	48	46	66	64	77	30	0.23
10	77	48	76	50	45	70	68	81	15	0.21
11	82	49			52	74	81	86	13	0.20
12	83	57	74	54	53	76	82	87	16	0.25
13	76	40	79	48	42	70	62	86	35	0.26
14	75	40	73	43	43	69	73	86	22	0.27
15	79	43	72	44	43	71	78	86	14	0.28
16	77	39	75	45	45	66	79	80	16	0.24
17	73	39	72	45	45	65	79	80	20	0.20
18	77	41	75	46	39	66	77	77	17	0.18
19	78	41	76	46	26	65	28	76	16	0.18
20	79	45	76	46	43	67	67	77	43	0.20
21	79	39	76	45	38	71	76	82	26	0.21
22	78	45	76	46	42	74	78	86	16	0.17
23	81	44	77	52	49	74	80	87	21	0.15
24	85	48	79	50	57	76	78	79	12	0.16
25	87	53	79	53	57	77	83	79	27	0.18
26	85	62	80	56	65	76	85	87	54	0.20
27	81	43	83	50	43	73	67	86	42	0.21
28	78	43	76	48	42	71	67	86	13	0.16
29	81	44	77	46	45	74	73	86	13	0.13
30	81	47	76	46	50	74	81	87	1	0.18
31	79	46	77	51	53	74	82	86	35	0.14
Tot:										6.09
Ave:									24	

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	53	76	54	53	74	82	78	69	0.18	-
2			76	54	43	67	67	85	16	0.18	-
3	73	41	76	45	42	65	78	80	19	0.20	-
4	75	37	75	45	40	62	71	75	19	0.15	-
5	72	37	71	42	47	63	80	75	40	0.18	-
6	78	38	76	44	49	59	80	59	16	0.20	-
7	79	38	76	44	42	63	78	64	20	0.17	-
8	79	39	76	43	48	64	75	61	25	0.15	-
9	81	39	75	45	37	59	76	51	28	0.16	-
10	84	41	79	45	40	62	77	55	13	0.18	-
11	82	45	78	48	40	67	77	63	16	0.16	-
12	83	47	80	50	57	70	88	67	21	0.18	-
13	86	52	84	45	53	69	82	86	60	0.23	0.30
14	75	46	81	51	53	65	82	76	33	0.15	-
15	77	51	80	52	50	59	81	62	46	0.18	-
16	74	49	78	52	49	60	80	63	47	0.20	-
17	77	51	81	53	64	63	85	68	19	0.17	-
18	81	39	84	53	52	63	71	64	20	0.19	-
19	81	45	81	50	50	65	81	65	40	0.20	-
20	83	51	82	52	56	71	82	70	24	0.22	-
21	87	54	86	53	59	72	83	68	14	0.23	-
22	87	52	81	55	53	73	82	68	32	0.24	-
23	86	57	86	57	65	81	85	51	21	0.16	-
24	88	59	87	60	60	69	84	55	42	0.22	-
25	91	60			57	70	83	55	13	0.22	-
26	89	57	89	58	55	74	82	65	11	0.20	-
27	89	57	89	58	56	76	82	72	27	0.22	-
28	87	55	85	58	51	77	81	75	42	0.23	-
Tot:										5.35	0.30
Ave:									28		

PADRI-JO-GOTH

March - 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	87	53	87	57	53	77	82	76	34	0.24	-
2	90	54	89	56	58	78	83	73	20	0.20	-
3	92	55	92	57	60	80	84	74	8	0.21	-
4	95	58	92	59	61	83	84	74	14	0.22	-
5	97	58	92	58	56	81	82	74	15	0.24	-
6	97	51	92	54	51	85	81	84	17	0.26	-
7	94	56	92	56	55	87	82	84	16	0.27	-
8	99	59	93	59	62	87	84	78	17	0.25	-
9	100	59	95	61	56	89	82	78	11	0.28	-
10	101	60	96	63	58	90	83	79	12	0.27	-
11	102	61	96	62	60	92	84	79	13	0.28	-
12	103	60	97	61	56	93	78	79	14	0.29	-
13	104	59	97	57	62	96	84	83	15	0.30	-
14	103	62	96	62	65	97	80	89	17	0.32	-
15	106	61	97	62	60	95	84	79	14	0.33	-
16	106	62	98	63	66	92	85	79	17	0.35	-
17	101	69	93	64	68	94	85	89	44	0.30	-
18	99	67	94	67	66	89	85	89	66	0.37	-
19	94	69	94	67	68	88	85	88	64	0.39	-
20	96	66	96	68	66	89	85	85	27	0.40	-
21	98	63	98	67	68	91	85	85	17	0.37	-
22	98	67	94	66	64	92	85	85	50	0.35	-
23	100	68	97	66	70	68	86	38	55	0.37	-
24	99	69	101	70	70	72	86	47	15	0.39	-
25	97	70	97	70	64	67	86	41	42	0.40	-
26	96	62	93	64	66	65	85	41	62	0.35	-
27	94	57	91	59	66	62	85	37	39	0.33	-
28	97	57	94	60	66	70	85	44	21	0.30	-
29	97	57	95	57	68	75	85	50	23	0.33	-
30	99	59	95	61	62	75	85	49	13	0.28	-
31	101	67	97	70	62	78	84	52	9	0.30	-
Tot:										9.54	0.00
Ave:	98	61	95	62					26		

April - 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	61	97	62	68	81	85	58	13	0.34	-
2	105	66	97	67	66	83	85	53	11	0.38	-
3	109	67	100	71	71	85	86	56	20	0.40	-
4	108	69	100	66	69	79	86	48	43	0.42	-
5	103	73	99	67	81	85	87	61	34	0.38	-
6	103	68	94	70	69	85	86	58	24	0.40	-
7			96	68	69	85	85	56	13	0.35	-
8			99	70	71	88	90	59	14	0.37	-
9	107	72	100	70	70	91	86	63	16	0.38	-
10	107	73	98	71	74	80	87	74	38	0.40	-
11	108	74	100	71	73	86	86	61	33	0.42	-
12	103	72	95	70	71	81	86	55	64	0.44	-
13	102	75	96	69	74	87	87	69	49	0.46	-
14	101	74	98	72	74	91	86	76	23	0.42	-
15	107	73	100	70	74	93	87	73	56	0.48	-
16	104	74	97	70	77	77	87	51	58	0.50	-
17	98	67	94	65	68	75	85	50	33	0.40	-
18	98	64	96	65	74	77	86	54	32	0.42	-
19	103	63	96	66	77	78	87	52	48	0.45	-
20	103	77	99	72	74	74	86	55	88	0.48	-
21	96	69	96	72	70	77	86	56	30	0.42	-
22	96	69	91	62	70	79	86	59	46	0.38	-
23	97	71	96	63	71	74	86	48	19	0.40	-
24	101	70	97	64	69	75	86	46	23	0.42	-
25	105	65	99	64	65	78	59	49	23	0.43	-
26	106	64	97	66	74	79	87	50	26	0.44	-
27	108	67	100	68	77	78	87	44	26	0.45	-
28	109	71	100	71	77	80	87	48	62	0.47	-
29	105	71	100	71	76	77	87	49	57	0.49	-
30	100	61	98	62	68	74	85	48	33	0.50	-
Total										12.69	0.00
Avg.			98	68					35		

PADRI-JO-GOTH

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	69	96	64	76	70	87	44	36	0.44	-
2	97	67	92	66	79	67	86	43	44	0.47	-
3	99	71	94	67	81	69	87	42	20	0.38	-
4	102	72	96	71	74	85	87	61	39	0.40	-
5	105	72	104	72	78	89	87	64	22	0.42	-
6	110	72	102	70	76	78	87	71	47	0.44	-
7	105	71	99	76	74	97	87	80	47	0.48	-
8	106	78	104	72	77	97	87	80	41	0.50	-
9	107	76	107	76	77	99	87	80	51	0.40	-
10	109	76	105	75	77	98	87	89	51	0.38	-
11	107	79	106	75	84	83	88	56	40	0.47	-
12	106	78	104	72	81	77	87	47	46	0.42	-
13	107	71	102	72	70	79	86	46	45	0.45	-
14	107	65	92	66	77	83	87	50	36	0.43	-
15	107	68	94	68	78	91	87	85	38	0.38	-
16	98	68	96	70	70	93	86	89	27	0.39	-
17	101	71	99	74	81	94	87	86	18	0.37	-
18	109	76	101	70	84	97	88	80	23	0.40	-
19	111	73			77	97	87	77	66	0.48	-
20	108	77	92	70	83	93	88	66	32	0.50	-
21	110	77			87	95	88	69	26	0.48	-
22	110	77	99	71	79	92	87	63	63	0.52	-
23	109	77	103	73	76	91	87	63	64	0.54	-
24	108	78	106	75	83	93	88	63	52	0.48	-
25	110	78	106	77	82	96	88	71	44	0.43	-
26	108	78	111	74	83	95	88	71	41	0.45	-
27	114	78	105	73	82	89	88	54	47	0.50	-
28	117	77	106	70	85	89	88	55	70	0.48	-
29	111	80	102	76	82	91	88	58	94	0.50	-
30	112	84	105	78	83	86	88	49	90	0.51	-
31	111	80	102	77	82	97	88	83	91	0.53	-
Total-										14.02	0.00
Ave:	107	75							47		

PADRI-JO-GOTH

June - 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	81	100	77	80	88	87	64	107	0.55	-
2	104	77	99	75	79	91	87	70	110	0.54	-
3	105	77	100	76	77	94	87	74	80	0.55	-
4	109	79	105	76	80	95	87	74	60	0.50	-
5	106	80	103	76	83	97	88	80	55	0.51	-
6	109	79	104	77	82	93	88	63	45	0.56	-
7	112	80	106	77	83	93	88	61	50	0.54	-
8	115	80	103	78	83	91	88	61	71	0.54	-
9	109	79	102	78	81	96	87	74	88	0.51	-
10	108	80	102	76	81	93	87	66	86	0.48	-
11	112	79	106	77	82	94	88	66	86	0.53	-
12	109	79	104	77	83	88	88	69	81	0.52	-
13	105	79	103	76	80	91	87	79	71	0.54	-
14	105	79	102	72	82	90	88	79	82	0.52	-
15	105	80	102	77	81	86	87	69	77	0.54	-
16	105	80	100	72	77	87	72	69	83	0.52	-
17	104	81	102	74	83	91	88	76	92	0.54	-
18	106	81	102	72	81	95	87	79	87	0.53	-
19	107	80	104	78	83	93	88	71	79	0.54	-
20	107	80	104	79	81	87	87	51	75	0.55	-
21	110	81	110	78	82	97	88	64	83	0.56	-
22	112	81	111	80	85	95	88	74	52	0.58	-
23	113	81	108	79	82	97	88	74	91	0.50	-
24	109	81	105	89	85	98	88	63	70	0.48	-
25	110	80	105	78	81	94	84	68	67	0.49	-
26	111	78	100	76	82	93	88	68	90	0.55	-
27	109	77	100	77	83	92	88	68	91	0.58	-
28	109	81	103	77	81	95	87	77	78	0.56	-
29	105	79	103	78	83	97	88	83	77	0.45	-
30	108	82	106	78	84	88	88	62	61	0.42	-
Tot:										15.78	0.00
Ave:	108	80	103	77					78		

PADRI-JO-GOTH

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	81	103	78	80	87	87	66	72	0.48	-
2	103	80	103	78	81	89	87	70	78	0.50	-
3	103	79	105	78	81	92	87	73	62	0.48	-
4	104	80	104	76	83	89	88	70	68	0.46	-
5	104	80	103	77	81	88	87	69	86	0.50	-
6	103	70	102	76	84	80	88	57	109	0.54	-
7	102	78	99	78	81	78	87	59	86	0.49	-
8	101	81	100	77	81	84	87	77	111	0.52	-
9	101	79	96	77	82	81	88	74	130	0.58	-
10	101	80	99	78	83	86	88	72	119	0.59	-
11	100	81	100	78	83	89	88	72	109	0.60	-
12	103	81	100	77	83	91	88	73	102	0.62	-
13	102	81	102	78	81	88	87	69	71	0.58	-
14	105	82	103	80	80	80	87	57	64	0.55	-
15	105	82	102	80	83	90	88	72	67	0.41	-
16	103	85	103	80	83	93	88	79	45	0.38	-
17	106	80	106	79	79	69	87	89	73	0.45	-
18	104	80	101	76	82	68	88	58	123	0.57	-
19	103	81	101	78	83	65	88	35	100	0.59	-
20	101	78	99	77	82	69	88	37	97	0.35	-
21	101	81	102	80	79	91	87	82	42	0.30	-
22	107	81	108	80	85	90	88	96	32	0.31	-
23	108	81	104	80	86	91	88	85	50	0.30	-
24	99	79	104	78	81	93	87	82	68	0.38	-
25	99	78	102	76	77	89	87	86	68	0.40	-
26	101	78	102	76		86		72	78	0.42	-
27	103	80	105	76	82	86	88	72	81	0.48	-
28	101	78	99	76	81	86	87	75	108	0.50	-
29	100	79	99	76	81	83	87	65	116	0.46	-
30	101	79	102	77	81	88	87	69	85	0.48	-
31	101	78	102	76	81	88	87	75	89	0.44	-
Tot:										14.85	0.00
Ave:	103	80	102	77					83		

PADRI-JO-GOTH

August - 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	77	101	75	79	90	87	79	86	0.45	-
2	102	79	103	76	81	91	87	76	80	0.46	-
3	100	78	102	77	81	83	87	68	84	0.38	-
4	99	79	100	78	80	81	87	62	59	0.31	-
5	97	78	103	76	81	87	87	78	74	0.42	-
6	97	79	101	76	80	85	87	78	105	0.46	-
7	96	79	98	75	79	87	87	78	113	0.44	-
8	99	79	101	77	79	85	87	84	91	0.43	-
9	91	77	88	76	81	86	87	61	79	0.25	-
10	104	78	105	77	80	88	87	85	75	0.42	-
11	95	77	99	76	79	87	87	84	82	0.40	-
12	95	78	100	76	79	83	87	77	98	0.41	-
13	93	76	97	75	76	81	87	77	97	0.45	-
14	95	77	97	76	76	85	87	78	77	0.40	-
15	95	75	100	74	79	82	87	68	65	0.33	-
16	99	78	103	76	81	80	87	62	66	0.40	-
17	99	77	101	74	79	83	87	71	90	0.42	-
18	95	77	95	73	79	81	87	68	106	0.38	-
19	95	76	98	73	79	83	87	74	111	0.46	-
20	95	76	96	72	79	83	87	74	115	0.48	-
21	95	77	96	72	79	89	87	85	100	0.50	-
22	99	77	100	73	77	89	87	78	76	0.43	-
23	99	75	102	74	78	91	87	89	59	0.40	-
24	100	78	101	74	79	83	87	65	48	0.45	-
25	98	74	102	74	79	87	87	78	54	0.42	-
26			101	74	78	85	87	74	68	0.45	-
27	98	74	100	73	77	86	87	72	100	0.41	-
28	100	74	100	73	77		87		55	0.45	-
29	98	76	99	72	77	86	87	72	81	0.40	-
30	100	74	102	73	78	89	87	72	80	0.38	-
31	99	77	101	74	75	83	79	74	65	0.39	-
Total										12.83	0.00
Avgs			100	75					82		

PADRI-JO-GOTH

September - 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation inches	Rain inches
1	96	74	100	74	77	86	87	75	64	0.36	-
2	97	74	100	74	78	83	87	74	73	0.42	-
3	94	74	95	72	77	85	87	81	74	0.30	-
4	97	74	100	73	76	86	87	78	60	0.40	-
5	96	75	101	74	77	81	87	65	58	0.41	-
6	98	74	100	72	74	85	87	72	80	0.45	-
7	99	73	101	72	75	86	83	72	65	0.42	-
8	100	77	100	73	81	90	87	75	33	0.40	-
9	104	79	98	76	73	91	82	70	40	0.38	-
10	105	77	105	78	77	90	87	75	34	0.40	-
11	106	78	104	79	83	87	88	75	20	0.37	0.18
12	105	75	105	73	77	86	87	78	46	0.40	-
13	103	74	102	73	77	83	87	74	53	0.35	-
14	101	75	98	73	77	85	87	66	58	0.30	-
15	101	76	103	73	79	91	87	59	36	0.32	-
16	99	70	101	73	73	81	86	59	16	0.29	-
17	100	75	98	72	79	78	87	52	17	0.29	-
18	104	73	100	70	78	76	91	51	49	0.37	-
19	104	69	98	69	73	81	86	65	43	0.40	-
20	100	70	99	69	74	77	86	61	53	0.33	-
21	100	71	100	71	74	85	87	66	24	0.29	-
22	104	69	101	73	72	82	82	62	18	0.31	-
23	104	78	100	72	74	86	87	66	31	0.36	-
24	109	73	102	69	76	90	87	78	68	0.34	-
25	99	73	97	71	77	85	87	78	86	0.38	-
26	95	73	94	72	75	80	83	88	89	0.40	-
27	96	73	96	72	74	89	87	52	77	0.42	-
28	97	71	97	71	73	86	86	75	53	0.36	-
29	99	70	99	68	75	87	83	75	58	0.38	-
30	99	72	94	79	76	82	87	62	75	0.40	-
Tot:										11.00	0.18
Ave:	100	74	100	73					52		

PADRI-JO-GOTH

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	71	96	71	76	87	87	75	34	0.36	-
2	103	73	98	72	74	86	87	78	122	0.38	-
3	95	74	98	73	78	84	87	77	31	0.40	-
4	95	85	99	74	77	85	87	78	20	0.36	-
5	98	71	100	73	79	81	87	65	13	0.38	-
6	101	71	98	70	76	85	87	66	18	0.25	-
7	104	69	99	69	76	86	87	66	21	0.36	-
8	104	69	99	69	75	90	95	72	27	0.40	-
9	103	67	94	66	77	92	87	76	59	0.42	-
10	106	66	94	65	76	94	87	82	36	0.45	-
11	105	65	92	63	71	89	86	75	53	0.47	-
12	101	71	92	65	78	86	87	69	94	0.38	-
13	102	71	97	71	73	82	86	62	40	0.28	-
14	99	71	99	71	70	79	86	61	36	0.30	-
15	96	69	96	71	73	81	86	65	23	0.26	-
16	97	71	94	71	78	79	91	67	24	0.27	-
17	99	68	98	69	70	83	74	74	13	0.25	-
18	100	69	101	69	77	86	87	75	20	0.20	-
19	101	66	95	68	77	77	87	54	18	0.30	-
20	103	67	94	68	74	81	87	57	18	0.29	-
21	103	67	94	67	74	90	87	75	26	0.32	-
22	102	64	93	65	68	92	85	76	22	0.33	-
23	105	63	95	64	70	84	86	63	18	0.28	-
24	101	67	95	67	73	81	86	59	18	0.22	-
25	102	65	97	67	70	78	86	56	22	0.25	-
26	101	65	96	66	73	86	86	66	17	0.25	-
27	102	66	92	64	74	79	87	59	35	0.34	-
28	101	65	92	62	74	77	87	56	80	0.38	-
29	97	59	97	62	73	74	86	55	83	0.36	-
30	97	63	91	64	66	72	85	54	38	0.40	-
31	95	65	90	65	66	76	85	63	26	0.38	-
Tot:										10.27	0.00
Ave:	101	68	96	68					35		

PADRI-JO-GOTH

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	63	92	64	67	80	85	85	21	0.32	-
2	99	67	95	65	73	86	86	78	20	0.20	-
3	98	67	93	70	67	80	85	65	26	0.22	-
4	96	66	94	67	66	87	85	88	18	0.23	-
5	96	63	93	65	68	82	90	77	18	0.20	-
6	96	63	90	64	64	78	85	69	20	0.25	-
7	97	64	91	63	64	84	81	81	32	0.26	-
8	97	61	91	63	66	88	85	85	25	0.24	-
9	97	59	91	62	66	85	85	81	21	0.26	-
10	95	61	88	62	60	84	67	81	36	0.27	-
11	93	61	91	63	62	88	84	92	21	0.24	-
12	92	60	90	62	64	82	85	77	15	0.21	-
13	94	61	89	64	63	36	84	76	15	0.20	-
14	89	61	89	64	64	79	85	76	23	0.21	-
15	89	61	86	62	63	77	84	76	18	0.20	-
16	90	61	88	60	68	77	85	83	14	0.19	-
17	85	57	85	57	60	75	84	75	20	0.18	-
18	91	55	86	58	60	71	84	58	25	0.21	-
19	88	56	84	58	64	72	85	82	24	0.20	-
20	87	47	82	52	56	68	82	66	43	0.25	-
21	83	49	77	52	52	69	81	73	34	0.20	-
22	81	47	76	49	53	67	82	66	36	0.21	-
23	81	46	76	48	53	69	82	61	43	0.24	-
24	80	43	76	46	56	63	82	64	40	0.22	-
25	81	44	75	46	52	61	81	63	40	0.21	-
26	81	41	77	46	58	66	83	80	21	0.18	-
27	83	44	78	48	51	65	81	85	11	0.17	-
28	81	43	74	48	48	63	80	84	16	0.15	-
29	79	47	74	49	47	64	80	85	20	0.16	-
30	82	51	75	49	56	64	82	68	33	0.22	-
Tot:										7.10	0.00
Ave:	89	55	84	58					25		

PADRI-JO-GOTH

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	79	45	72	49	49	60	80	67	28	0.16	-
2	81	45	76	49	49	67	80	72	33	0.15	-
3	83	51	76	49	53	65	82	72	29	0.20	-
4	85	55	77	53	58	62	83	58	9	0.18	-
5	88	56	82	58	58	66	83	63	17	0.19	-
6	86	52	79	54	55	68	82	63	21	0.17	-
7	83	51	81	54	55	61	82	54	14	0.14	-
8	87	49	82	54	57	59	83	53	12	0.13	-
9	83	49	80	53	49	54	80	43	20	0.14	-
10	84	47	81	51	51	54	81	54	22	0.17	-
11	81	45	78	48	51	54	87	57	31	0.16	-
12	80	44	76	52	55	57	82	55	37	0.14	-
13	78	44	74	53	51	48	81	38	27	0.13	-
14	79	43	75	54	51	63	87	64	26	0.19	-
15	77	43	75	54	51	62	87	75	19	0.17	-
16	81	41	76	54	49	61	80	60	17	0.13	-
17	79	41	74	54	53	59	82	59	27	0.15	-
18	79	44	75	52	47	60	80	54	19	0.10	-
19	81	45	75	51	43	63	78	58	18	0.12	-
20	81	46	76	52	50	64	81	61	22	0.11	-
21	81	43	76	52	47	69	80	77	20	0.13	-
22	79	43	74	51	39	66	77	80	34	0.15	-
23	78	42	72	52	45	45	79		37	0.12	-
24	79	43	74	52	49	60	80	67	29	0.14	-
25	80	45	74	52	56	62	82	64	24	0.12	-
26	79	43	72	52	48	67	80	81	18	0.10	-
27	78	43	73	52	47	70	80	81	17	0.11	-
28	81	43	79	50	42	63	78	65	17	0.10	-
29	78	46	72	50	46	55	79	49	24	0.12	-
30	77	47	74	51	50	64	81	68	34	0.13	-
31	77	46	74	50	42	62	78	71	32	0.14	-
Tot:										4.39	0.00
Ave:	81	46	76	52					24		

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Location	Latitude 33°43', Longitude 73°42', near Civil Court Palandri.
Elevation	4,600 ± ft msl.
Period of record	Recording rain gauge installed in the observatory of Pakistan Meteorological Services since 1962 by Surface Water Hydrology Project; the Project established new observatory in October 1969 with its own instruments.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	55			42	46	49	43			-
2	74	57			45	44	42	37			-
3	75	58			41	49	45	53			-
4	74	57			42	43	52	46			-
5	73	58			44	46	47	45			-
6	71	57			43	54	43	65			-
7	75	57			45	49	50	53			-
8	74	56			48	50	52	53			-
9	71	56			47	45	55	42			-
10	70	55			49	55	53	69			-
11	69	54			51	54	68	78			-
12	69	47			46	42	75	55			0.15
13	58	48			43	52	56	73			-
14	66	48			43	50	60	71			-
15	65	47			47	35	65	41			-
16	66	46			43	34	74	35			0.03
17	64	47			37	42	52	52			-
18	63	46			35	34	47	40			-
19	65	43			41		85				0.05
20	55	45			42	31	68	35			0.06
21	63	48			41	37	58	48			-
22	64	44			31	39	44	40			-
23	63	45			33	47	49	55			-
24	64	46			35	21	55	24			-
25	62	43			21	45	29	50			-
26	65	46			39	53	53	68			-
27	64	49			50	55	67	26			-
28	65	44			33	39	53	53			-
29	62	45			35	41	47	45			-
30	63	43			41	34	73	43			-
Tot:											0.29
Ave:	67	50									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	60	42			36	25	70	34			-
2	62	43			35	25	59	27			-
3	62	46			37	37	48	45			-
4	60	44			37	32	52	36			-
5	63	43			31	25	44	29			-
6	65	46			32	29	42	31			-
7	62	44			25	27	34	30			-
8	64	46			37	37	48	39			-
9	67	47			29	35	47	44			-
10	63	45			39	25	53	77			-
11											-
12	68	47			25	27	34	33			-
13	65	45			29	29	43	36			-
14	66	47			21	25	29	29			-
15	65	46			39	38	53	46			-
16	61	43			53	21	34	22			-
17	63	44			41	23	58	27			-
18	66	48			38	41	57	34			-
19	67	46			39	34	62	46			-
20	68	47			29	27	43	33			-
21	65	43			19	32	23	36			-
22	63	41			12	43	17	56			-
23	60	40			35	43	55	60			-
24	61	42			23	45	30	61			-
25	59	41			29	45	40	65			-
26	60	41			33	37	49	45			-
27	61	43			33	42	53	59			-
28	61	44			26	35	37	44			-
29	59	41			33	31	53	37			-
30	58	40			28	37	42	45			-
31	61	43			28	29	45	36			-
Tota											0.00
Ave:											

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Location	Latitude 32°22', Longitude 73°02',
Elevation	
Period of record	Station established by Surface Water Hydrology Project in March 1969.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

PHULARWAN

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches.
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25						63		72			
26					54	51	88	78		0.16	0.20
27	80	53			46	49	53	34		0.21	-
28	84	55			54	48	68	28		0.25	-
29	88	56			58	49	83	29		0.29	-
30	88	58			45	57	66	40		0.26	-
31	91	62			55	57	58	37		0.30	-
Tot:											
Ave:											

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	68			52	46	38	21		0.31	-
2	94	62			57	40	55	16		0.36	-
3	95	56			54	48	48	27		0.43	-
4	89	61			53	53	56	33		0.40	-
5	88	67			49	49	43	29		0.27	-
6	89	62			53	47	47	46		0.30	-
7	95	68			56	55	55	30		0.45	-
8	94	68			59	55	67	28		0.45	-
9	95	70			63	62	66	37		0.30	-
10	94	72			58	61	61	36		0.41	-
11	96	75			61	57	50	38		0.35	-
12	87	64			61	65	75	80		0.25	-
13	74	62			59	48	67	24		0.08	0.05
14	91	69			64	61	53	40		0.31	-
15	93	74			66	58	61	39		0.35	-
16	88	70			59	61	80	71		0.22	0.04
17	78	56			49	47	62	25		0.11	-
18	90	59			51	55	81	37		0.33	-
19	91	67			61	51	47	33		0.21	-
20	85	63			55	59	94	77		0.23	0.20
211	72	54			52	53	77	47		0.22	0.39
22	81	57			55	47	50	16		0.27	-
23	87	54			45	27	64	11		0.36	-
24	90	57			45	33	36	39		0.35	-
25	92	62			47	34	36	13		0.36	-
26	93	65			47	43	37	19		0.40	-
27	93	64			52	44	41	23		0.37	-
28	91	71			56	52	55	29		0.40	-
29	92	61			58	57	78	55		0.62	1.12
30	76	60			53	51	60	37		0.22	0.04
Tot:										9.69	1.84
Ave:	89	64									

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	80	65			54	42	57	23		0.28	-
2	86	61			57	48	69	28		0.31	-
3	86	66			59	56	62	40		0.28	-
4	87	68			55	48	49	22		0.18	-
5	93	67			57	48	47	19		0.36	-
6	98	70			57	53	49	22		0.43	-
7	100	74			60	53	47	20		0.36	-
8	102	80			60	55	38	22		0.48	-
9	102	77			59	54	37	26		0.55	-
10	97	80			59	59	46	34		0.61	-
11	93	74			63	55	53	27		0.30	-
12	98	71			59	58	51	35		0.50	-
13	93	63			61	61	94	89		0.37	0.54
14	71	63			62	59	75	53		0.47	1.27
15	79	67			58	57	66	38		0.36	-
16	88	68			61	57	57	34		0.31	-
17	91	67			61	54	54	20		0.32	-
18	97	76			60	47	48	32		0.37	-
19	92	73			57	53	49	34		0.47	0.01
20	87	68			60	53	54	24		0.39	-
21	98	70			57	55	40	24		0.39	-
22	102	82			54	49	32	17		0.61	-
23	103	77			46	39	23	13		0.59	-
24	101	70			52	37	32	10		0.52	-
25	105	71			55	46	34	14		0.49	-
26	108	81			58	44	35	13		0.54	-
27	107	75			57	48	33	14		0.52	-
28	108	74			58	49	39	15		0.51	-
29	107	76			61	59	39	23		0.45	-
30	107	80			62	64	41	26		0.50	-
31	108	83			69	69	55	33		0.51	-
Total										13.33	1.82
Avgs	96	72									

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	81			65	58	38	20		0.57	-
2	109	84			62	57	37	19		0.56	-
3	110	81			62	51	37	18		0.62	-
4	104	75			61	55	40	22		0.53	-
5	104	79			59	50	40	18		0.67	0.12
6	104	83			59	49	40	15		0.45	-
7	107	77			57	47	33	15		0.52	-
8	108	78			57	55	33	19		0.55	-
9	109	76			59	51	34	15		0.49	-
10	111	82			61	53	35	17		0.55	-
11	112	87			62	59	37	24		0.71	-
12	106	87			59	64	37	26		0.57	-
13	111	83			62	58	37	20		0.62	-
14	110	79			65	60	41	24		0.58	-
15	110	76			59	56	34	20		0.56	-
16	109	74			63	61	38	22		0.52	-
17	113	85			62	64	37	25		0.65	-
18	109	75			61	57	36	19		0.58	-
19	110	74			73	70	54	29		0.52	-
20	112	76			62	69	34	30		0.67	-
21	110	75			61	74	33	33		0.62	-
22	109	73			56	62	28	27		0.60	-
23	109	72			59	70	37	38		0.55	-
24	103	87			62	54	41	18		0.38	-
25	108	83			64	57	36	19		0.51	-
26	112	81			65	58	44	20		0.55	-
27	110	84			67	66	49	29		0.56	-
28	107	76			68	64	66	33		0.62	0.12
29	100	80			69	62	50	27		0.43	-
30	105	79			61	60	44	29		0.52	-
Total										16.83	0.24
Avg.	108	79									

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	100	76			68	69	73	44		0.47	0.09
2	95	77			72	67	62	34		0.16	0.04
3	105	81			71	64	58	26		0.46	-
4	107	86			72	67	54	28		0.44	-
5	109	84			68	71	50	32		0.54	-
6	109	85			70	63	47	22		0.30	-
7	114	87			75	71	57	34		0.59	-
8	110	87			71	70	54	33		0.51	-
9	108	87			73	74	62	44		0.54	-
10	102	78			73	75	75	49		0.50	0.07
11	100	74			72	78	82	64		0.54	0.46
12	94	78			72	77	62	51		0.21	-
13	101	82			74	76	60	43		0.41	-
14	105	82			76	71	66	49		0.38	-
15	100	83			75	68	72	36		0.44	-
16	101	80			74	70	68	36		0.40	-
17	103	85			76	73	63	39		0.50	-
18	105	87			76	76	63	45		0.52	-
19	103	88			80	71	70	32		0.37	-
20	109	85			77	79	72	59		0.54	-
21	99	86			79	78	76	91		0.37	-
22	88	78			77	80	91	74		0.27	1.29
23					80	79	76	67		0.10	0.02
24	98	76			76	75	100	83		0.60	1.97
25					76	77	48	76		0.08	0.13
26	86	80			77	78	83	67		0.18	-
27	94	80			77	76	83	58		0.28	-
28	95	78			75	75	95	63		0.33	0.27
29					72	75	100	65		0.42	0.99
30					76	72	83	49		0.20	-
31	96	80			77	76	76	51		0.30	-
Tot:										11.95	5.33
Ave:											

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M.	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	82			78	77	73	56		0.34	-
2	105	84			80	75	74	46		0.35	-
3	102	82			77	79	83	61		0.45	-
4	96	81			77	76	76	47		0.38	-
5	102	83			82	73	77	40		0.37	-
6	106	86			79	80	76	70		0.40	-
7	96	80			77	78	91	73		0.34	-
8					77	75	80	49		0.15	-
9	101	86			80	80	80	62		0.33	-
10	100	83			79	79	76	67		0.21	-
11	97	86			79	78	76	52		0.31	-
12	102	75			74	75	91	83		0.45	0.40
13	87	77			77	77	100	91		0.14	0.18
14	83	77			77	78	87	95		0.06	0.59
15	90	75			75	78	100	87		0.12	2.75
16	84	75			77	79	87	70		0.09	0.50
17	93	81			80	79	87	64		0.23	-
18	95	77			74	81	91	70		0.26	-
19					79	79	87	67		0.22	0.19
20	96	80			81	81	84	68		0.24	-
21	96	81			82	80	88	74		0.25	-
22	96	71			71	74	82	57		0.31	0.66
23	93	77			75	74	75	52		0.19	-
24	96	80			78	72	79	47		0.26	-
25	98	78			74	77	78	61		0.33	-
26	95	76			71	73	70	50		0.30	-
27	98	79			74	69	65	39		0.31	-
28	102	83			76	72	72	43		0.32	-
29	101	86			75	69	72	39		0.36	-
30	102	83			75	71	72	41		0.36	-
31	102	80			76	67	72	35		0.33	-
Tot:										8.76	5.27
Ave:											

PHULAMWAN

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	81			74	68	68	36		0.35	–
2	103	80			73	68	65	36		0.39	–
3	103	79			74	68	65	36		0.39	–
4	102	86			72	69	62	39		0.40	–
5	102	84			73	59	65	39		0.36	–
6	102	76			71	66	67	47		0.41	–
7	101	72			72	67	90	57		0.26	–
8	87	72			71	70	74	68		0.16	0.22
9	95	76			73	67	78	43		0.24	–
10	96	75			70	69	75	46		0.29	–
11	97	75			72	72	67	71		0.30	–
12	92	77			77	72	71	54		0.29	–
13	95	80			76	75	79	60		0.25	–
14	97	77			67	74	79	57		0.27	–
15	97	72			71	68	81	63		0.36	0.27
16	85	71			67	80	78	39		0.14	0.16
17	95	68			69	63	69	36		0.25	–
18	97	70			71	65	70	38		0.28	–
19	99	75			70	65	96	42		0.27	–
20	97	77			71	64	74	40		0.26	–
21	96	77			70	63	70	38		0.24	–
22	98	73			72	65	67	38		0.30	–
23	98	73			66	67	74	43		0.32	–
24	97	74			71	70	62	48		0.35	–
25	99	74			62	61	74	13		0.25	–
26	95	73			68	58	64	32		0.37	–
27	96	75			68	63	73	39		0.24	–
28	97	73			73	67	78	45		0.27	–
29	97	76			68	63	66	39		0.26	–
30	99	73			69	65	77	42		0.26	–
Total										8.78	0.65
Avgt	97	75									

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October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	72			68	61	73	39		0.29	-
2	96	73			60	59	60	44		0.36	-
3	89	74			61	62	60	41		0.26	-
4	94	71			64	59	61	36		0.15	-
5	95	70			63	60	61	38		0.26	-
6	96	70			65	59	69	34		0.25	-
7	96	74			65	57	69	33		0.27	-
8	96	66			64	57	68	33		0.28	-
9	96	70			63	60	64	38		0.28	-
10	96	68			66	59	77	36		0.23	-
11	95	69			67	61	81	40		0.22	-
12	93	67			56	61	52	42		0.31	-
13	93	70			61	63	63	52		0.23	-
14	93	70			58	63	59	52		0.24	-
15	92	64			59	63	79	68		0.37	0.38
16	78	61			59	70	74	62		0.10	0.10
17	85	66			61	57	79	40		0.16	-
18	88	60			61	59	79	46		0.18	-
19	90	67			62	61	75	47		0.19	-
20	89	64			63	60	80	42		0.18	-
21	93	65			61	60	67	42		0.23	-
22	95	64			63	65	67	51		0.24	-
23	90	66			60	65	67	51		0.16	-
24	89	64			64	63	76	50		0.18	-
25	92	64			64	61	76	47		0.18	-
26	93	64			65	61	80	47		0.21	-
27	92	66			63	64	75	53		0.17	-
28	89	67			63	64	80	61		0.21	-
29	83	65			61	67	75	60		0.12	-
30	90	66			55	56	51	48		0.20	-
31	91	67			57	58	65	43		0.23	-
Tot:										6.94	0.48
Ave:	92	67									

PHULARWAN

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	60			59	40	79	53		0.22	-
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16	83	50			48	51	75	47		0.14	-
17	81	50			51	57	76	55		0.14	-
18	83	47			48	57	75	55		0.15	-
19	83	54			45	52	55	53		0.13	-
20	78	51			50	56	81	61		0.15	-
21	78	47			43	40	67	37		0.12	-
22	77	36			36	39	63	34		0.15	-
23	78	36			39	47	70	47		0.17	-
24	79	39			37	50	59	48		0.13	-
25	80	39			39	46	70	43		0.14	-
26	81	36			39	43	84	39		0.11	-
27	80	34			39	41	77	41		0.13	-
28	78	36			37	47	76	49		0.10	-
29	76	35			40	44	91	54		0.12	-
30	75	37			38	41	83	41		0.09	-
Tot:											
Ave:											

PHULARWAN

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	37			40	48	84	50		0.10	-
2	76	37			39	45	70	46		0.12	-
3	78	37			34	47	68	47		0.13	-
4	81	39			37	52	83	67		0.10	-
5	73	40			41	50	77	55		0.08	-
6	76	40			41	48	71	47		0.12	-
7	80	40			41	47	77	47		0.13	-
8	82	41			39	53	77	68		0.14	-
9	75	43			44	52	85	63		0.10	-
10	77	44			45	53	92	64		0.09	-
11	76	43			45	53	92	60		0.10	-
12	77	43			41	49	77	51		0.10	-
13	78	40			36	50	69	55		0.11	-
14	78	39			38	48	83	50		0.10	-
15	78	37			36	48	82	50		0.10	-
16	77	36			32	50	73	50		0.13	-
17	75	38			35	45	62	46		0.10	-
18	77	36			38	45	83	52		0.12	-
19	76	37			40	47	84	57		0.10	-
20	75	35			36	48	82	53		0.08	-
21	77	38			38	52	83	57		0.08	-
22	73	37			39	50	91	62		0.08	-
23	73	35			35	46	82	56		0.09	-
24	74	34			35	47	90	57		0.09	-
25	72	35			37	47	91	57		0.08	-
26	73	36			35	50	90	62		0.08	-
27	71	35			37	51	91	66		0.09	-
28	71	35			37	51	91	66		0.07	-
29	70	37			39	47	91	61		0.08	-
30	72	41			40	45	84	46		0.07	-
31	75	41			40	50	91	48		0.09	-
Tot:										3.05	0.00
Ave:	76	38									

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Location	Latitude 34°20', Longitude 73°05', 12 miles from Khaki village and 2 miles from Phulra near gauge observer hut.
Elevation	
Period of record	Recording rain gauge station established in late 1968, other instruments installed in August 1969 by Surface Water Hydrology Project, WAPDA.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours. Blank space indicates no record. (-) indicates no precipitation.

PHULRA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	96	70	97	71					25	0.38	-
2	97	69	96	70					22	0.40	-
3	97	72	97	70					19	0.34	-
4	95	67	96	63					40	0.25	0.04
5	95	71	94	66					20	0.34	-
6	96	69	95	59					35	0.48	-
7	80	65	78	63					43	0.12	0.16
8	80	65	80	62					27	0.20	-
9	89	67	92	66					20	0.31	-
10	90	67	93	64					21	0.30	-
11	92	70	93	65					21	0.37	-
12	91	72	94	71					26	0.35	-
13	94	71	96	71					17	0.31	-
14	79	64	97	67					33	0.23	0.85
15	79	64	78	63					36	0.34	0.67
16	81	65	85	63					43	0.20	-
17	86	63	90	59					16	0.20	-
18	89	62	92	65					7	0.22	-
19	89	61	91	65					27	0.23	-
20	90	50	92	64					16	0.26	-
21	89	50	88	63					20	0.24	-
22	91	50	91	64					18	0.25	-
23	90	53	91	63					19	0.34	-
24	91	51	92	60					39	0.40	-
25	91	51	89	60					26	0.37	-
26	89	53	89	61					27	0.27	-
27	91	52	89	61					24	0.26	-
28	91	51	89	62					20	0.29	-
29	91	50	89	63					19	0.24	-
30	92	51	89	52					18	0.31	-
Tot:											
Ave:	90	61	91	64					25	8.80	1.72

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches.
1	91	59	89	62					26	0.20	0.45
2	85	49	86	58					53	0.42	1.91
3	85	50	86	57					47	0.18	-
4	85	52	86	62					25	0.57	0.42
5	84	59	85	60					17	0.23	-
6	86	59	86	60					18	0.20	-
7	87	58	88	60					12	0.21	-
8	88	59	87	60					13	0.20	-
9	88	60	86	61					13	0.18	-
10	88	62	86	62					15	0.16	-
11	86	65	86	63						0.20	-
12	67	58	62	54					75+	0.15	0.73
13	84	60	83	55					25	0.18	-
14	84	64	83	60					27	0.20	0.03
15	81	57	83	57					34	0.33	0.90
16	71	57	71	55					25	0.01	0.33
17	78	57	81	55					23	0.17	-
18	81	55	81	55					24	0.17	-
19	82	55	81	55					15	0.13	-
20	79	56	77	53					32	0.15	-
21	83	54	81	53					17	0.14	-
22	84	53	81	54	51	49	64	37	15	0.16	-
23	85	55	80	55	53	58	73	57	13	0.14	-
24	80	58	83	54	45	51	47	42	28	0.15	-
25	86	52	81	55	52	50	73	39	15	0.17	-
26	86	52	80	54	52	48	73	39	11	0.16	-
27	87	53	79	55	55	54	74	83	11	0.13	-
28	73	49	67	50	52	31	35	41	59	0.16 *	2.75
29	64	51	61	53	35	48	36	49	62	0.15 *	1.11
30	71	55	72	53	46	55	51	59	34	0.15	-
31	79	54	75	52	45	55	53	59	27	0.13	-
Tot:										5.98	8.63
Ave:	82	56	80	57					26		

\+ Two days observation.
* Estimated evaporation.

PHULRA

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Ra in inc
1	81	51	76	53	53	51	78	54	18	0.12	-
2	81	55	77	52	48	55	59	52	19	0.12	-
3	81	53	75	53	53	54	83	62	17	0.11	-
4	80	51	76	52	50	57	76	63	15	0.12	-
5	80	52	72	52	52	62	77	43	12	0.10	-
6			70	52	55	55	83	56	23	0.10	-
7	79	52	77	53	53	52	83	51	21	0.10	-
8	83	51	78	52	52	53	77	55	1	0.13	-
9	81	55	75	51	52	56	77	70	15	0.13	-
10	75	52	69	55	43	55	52	69	6	0.11	-
11	70	50	65	50	47	54	62	65	12	0.07	-
12	76	51	69	53	49	45	71	53	22	0.07	0.
13	66	50	64	48	49	45	71	47	41	0.12	0.
14	75	46	68	47	49	46	76	51	11	0.10	-
15	73	45	69	45	45	41	75	45	13	0.09	-
16	73	44	68	45	42	45	79	53	14	0.10	-
17	70	41	65	42	41	40	79	41	10	0.07	-
18	72	39	66	42	38	34	71	35	9	0.08	-
19	73	43	65	42	43	44	74	64	20	0.09	0.
20	56	46	65	44	44	47	69	65	37	0.07	0.
21	62	44	58	43	37	45	71	65	13	0.06	-
22	67	41	64	41	38	42	61	55	9	0.07	-
23	68	38	61	39	41	37	79	45	13	0.05	-
24	70	40	61	40	38	42	66	52	15	0.09	-
25	73	39	62	39	33	35	49	41	23	0.10	-
26	73	37	62	38	38	40	71	47	18	0.09	-
27	88	35	61	37	36	35	83	44	13	0.10	-
28	70	36	59	37	36	38	76	49	9	0.07	-
29	70	35	59	37	36	38	83	49	9	0.06	-
30	69	36	58	37	36	43	83	60	10	0.06	-
Tot:										2.75	0.8
Ave:			67	46					16		

PHULRA

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	35	57	37	38	41	77	58	10	0.06	-
2	71	34	58	38	34	35	82	44	9	0.05	-
3	72	35	58	37	38	42	66	55	13	0.07	-
4	74	36	58	37	35	57	83	35	14	0.07	-
5	71	36	59	38	45	43	86	56	18	0.09	-
6	69	36	62	40	41	41	85	51	16	0.06	-
7	73	37	61	38	40	39	92	40	11	0.07	-
8	72	40	60	38	41	40	79	47	20	0.08	-
9	76	37	62	38	37	42	84	59	15	0.09	-
10	67	36	50	38	39	37	84	45	7	0.07	-
11	68	38	57	39	39	38	11	53	8	0.08	-
12	71	36	58	37	36	39	64	50	16	0.06	-
13	71	36	57	37	40	37	84	52	17	0.05	-
14	71	34	57	38	38	35	77	44	15	0.08	-
15	71	40	57	37	39	38	84	57	18	0.08	-
16	69	36	56	36	36	38	83	57	11	0.06	-
17	67	35	53	36	34	37	63	48	18	0.06	-
18	72	36	58	37	36	35	83	44	19	0.07	-
19	72	34	59	33	33	38	82	49	1	0.08	-
20	71	34	56	34	31	37	81	48	12	0.08	-
21	71	31	56	34	29	39	80	62	21	0.09	-
22	67	32	51	32	25	34	71	50	9	0.10	-
23	66	29	53	32	30	33	90	49	9	0.05	-
24	67	29	53	31	29	44	89	74	16	0.05	-
25	68	31	52	31	28	35	59	59	18	0.07	-
26	64	31	51	32	27	31	80	41	12	0.10	-
27	68	30	52	31	30	32	90	42	10	0.04	-
28	67	30	52	32	29	35	89	55	8	0.05	-
29	59	27	59	30	37	34	84	43	12	0.07	-
30	59	40	68	39	39	38	84	46	29	0.06	-
31	68	39	69	39	41	34	85	40	17	0.07	-
Tot:										2.16	0.00
Ave:	69	35	57	36					14		

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Location	Latitude 33°42', Longitude 73°07', on the northern periphery of Rawal Lake.
Elevation	1,700 ± ft msl.
Period of record	January 1963 to date, station established by Surface Water Hydrology Project WAPDA.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer. Pyrheliometer.
Annual figures	Precipitation 35.19 inches Evaporation (Pan) 83.28 inches Absolute maximum air temperature Absolute minimum air temperature 30°F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures, and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record.(-) indicates no precipitation.

RAWAL DAM

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rai in inch
1	62	32	59	38	35	32	91	42	254		0.07	-
2	62	30	60	37	30	31	80	35	240		0.08	-
3	63	31	59	38	29	29	73	31	254		0.09	-
4	63	32	59	37	29	34	66	40	268		0.08	-
5	60	30	58	37	28	42	73	59	212		0.07	-
6	58	32	54	38	30	42	66	68	155	6	0.05	-
7	55	39	49	37	37	41	71	48	184	8	0.04	-
8	65	33	58	40	35	47	69	70	198	8	0.06	-
9	60	42	57	39	42	37	85	39	226	13	0.06	-
10	65	33	62	38	31	31	67	31	254	14	0.08	-
11	66	30	62	38	29	38	66	53	141	18	0.10	-
12			51	37	38	42	71	79	85	9	0.05	-
13	55	41	48	42	43	42	92	85	71	6	0.06	0.4
14	48	30	47	37	30	41	66	54	296	12	0.05	0.0
15	61	40	58	38	42	43	85	56	254	12	0.07	-
16	62	34	60	38	35	40	69	47	296	11	0.07	-
17	64	40	62	40	42	40	85	44	311	11	0.08	-
18	65	42	64	41	41	40	85	47	184	17	0.09	-
19	62	32	58	38	30	37	66	37	311	6	0.06	-
20	67	32	62	42	32	34	68	33	311	12	0.09	-
21	69	37	63	41	35	42	69	59	127	13	0.09	-
22	58	38	48	40	41	43	85	43	240	10	0.06	-
23	68	39	65	41	42	46	85	51	254	11	0.08	-
24	68	44	63	42	42	48	73	52	212	11	0.07	-
25	70	48	64	47	45	45	69	50	155	17	0.08	-
26	66	50	58	49	49	49	76	67	353	22	0.07	-
27	63	43	59	44	43	47	92	58	184	43	0.06	-
28	65	35	64	40	37	37	84	39	325	30	0.10	-
29	65	36	64	39	33	41	69	48	184	26	0.11	-
30	64	34	57	38	35	39	69	38	325	10	0.07	-
31	70	42	65	39	39	34	72	43	141	23	0.13	-
Tot:											2.32	0.4
Ave:			59	40								

RAWAL DAM

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	61	43	52	44	44	41	85	54	311	41	0.14	1.37
2	60	34	60	39	39	40	84	44	367	23	0.10	–
3	66	36	64	40	40	40	84	47	325	16	0.10	–
4	63	37	62	40	41	32	85	34	353	18	0.09	–
5	65	36	65	38	35	35	69	38	367	29	0.11	–
6	65	35	64	38	35	31	69	31	353	26	0.12	–
7	66	34	64	38	33	31	69	31	381	26	0.14	–
8	65	33	64	38	35	29	69	26	353	23	0.13	–
9	69	37	65	39	36	37	70	39	254	21	0.12	–
10	65	41	60	40	41	45	85	50	240	13	0.08	–
11	67	45	65	47	39	44	67	49	282	18	0.09	–
12	69	47	66	47	45	41	69	48	127	41	0.10	–
13	66	50	57	47	48	47	87	86	28	61	0.09	0.50
14	54	48	50	46	46	47	86	65	113	53	0.17	0.72
15	60	44	57	47	46	46	86	51	268	9	0.10	–
16	66	52	65	53	48	48	93	87	42	15	0.10	–
17	56	42	52	46	47	47	93	58	381	13	0.09	1.15
18	64	40	70	45	42	41	79	45	381	21	0.12	–
19	65	40	70	42	41	35	92	36	367	30	0.13	–
20	66	38	67	40	39	47	84	55	395	35	0.15	–
21	68	40	68	40	42	44	85	74	212	21	0.13	–
22	62	40	61	44	41	53	73	14	409	16	0.06	–
23	74	46	73	45	47	47	81	48	254		0.09	–
24	68	52	63	51	50	48	76	63	141	56+	0.08	–
25	62	42	59	52	46	35	80	50	381	39	0.08	0.06
26	73	49	72	48	50	47	76	48	268	34	0.12	0.02
27	70	52	70	52	51	48	87	49	353	35	0.13	0.25
28	70	42	75	47	46	41	86	33	466	22	0.16	–
Tot:											3.12	4.07
Ave:	65	42	64	44						27		

+ Two days observation.

RAWAL DAM

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	75	44	78	48	44	48	74	47	395	24	0.20	-
2	75	49	73	49	47	48	75	39	409	20	0.18	-
3	78	51	79	52	50	47	76	36	395	27	0.22	-
4	78	49	76	51	50	42	71	26	466	22	0.18	-
5	82	50	78	51	49	30	67	39	409	39	0.23	-
6	83	54	80	52	50	50	67	38	466	26	0.17	-
7	81	53	82	53	51	37	68	22	480	30	0.22	-
8	83	51	80	51	54	41	78	23	494	44	0.24	-
9	85	48	81	51	47	39	58	20	409	34	0.25	-
10	87	51	82	51	47	64	55	21	508	28	0.23	-
11	89	50	82	52	45	34	50	15	494	37	0.27	-
12	89	52	83	53	47	47	48	29	452	30	0.26	-
13	89	52	84	54	46	58	51	37	480	24	0.23	-
14	90	54	85	55	49	51	59	29	494	22	0.22	-
15	91	56	85	55	49	53	53	31	480	29	0.26	-
16	90	58	85	55	53	56	55	41	381	24	0.24	-
17	89	63	83	58	53	54	52	33	480	32	0.22	-
18	90	61	87	60	37	60	89	89	56	60	0.27	0.05
19	66	57	62	56	56	60	83	84	226	36	0.14	0.39
20	72	47	73	48	49	47	76	40	508	55	0.27	0.54
21	75	48	79	50	51	55	72	47	522	34	0.19	-
22	80	57	84	54	57	56	89	88	85	25	0.19	0.01
23	63	57	60	50	55	60	83	50	522	17	0.09	0.69
24	78	56	83	53	56	60	70	52	438	29	0.16	-
25	83	63	87	53	62	62	89	80	268	33	0.22	0.16
26	74	47	75	48	51	53	77	48	522	81	0.37	0.82
27	75	48	82	52	50	54	67	47	522	25	0.19	-
28	79	50	83	53	46	52	51	43	536	28	0.20	-
29									522			-
30	83	57	83	55	57	59	79	47	551	64+	0.48+	-
31	85	60	87	58	57	55	63	37	536	34	0.24	-
Tot:											6.83	2.66
Ave:										33		

RAWAL DAM

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	87	55	87	57	57	48	63	30	536	34	0.27	–
2	87	63	85	56	55	43	62	22	565	40	0.28	–
3	89	63	87	53	51	52	60	30	565	41	0.30	–
4	[illegible]	[illegible]	89	53	50	51	[illegible]	31	579	[illegible]	0.29	–
5	87	60	87	55	50	51	56	31	409	41	0.30	–
6	88	56	84	56	53	50	55	27	522	25	0.21	–
7	93	60	90	58	53	73	48	30	551	30	0.28	–
8	92	64	90	60	59	60	57	35	522	31	0.29	–
9	93	68	90	62	59	63	57	40	424	27	0.30	–
10	93	70	91	65	59	63	49	44	254	43	0.29	–
11	89	66	83	63	62	58	80	51	113	31	0.18	–
12	80	62	71	60	60	59	71	57	296	31	0.10	0.09
13	78	62	80	62	57	50	56	31	565	23	0.15	–
14	88	70	90	62	57	56	56	37	367	28	0.27	–
15	91	66	90	64	62	57	84	41	254	45	0.15	0.07
16	85	62	85	64	58	58	71	54	353	21	0.18	–
17	78	60	79	57	58	34	74	18	579	36	0.18	0.05
18	85	57	87	55	45	46	39	27	381	37	0.29	–
19	85	67	81	59	53	52	55	45	240	22	0.21	–
20	76	58	71	58	53	50	78	53	184	51	0.17	0.38
21	70	52	67	50	51	41	68	28	565	44	0.09	0.02
22	79	51	84	54	49	37	53	22	607	31	0.25	–
23	82	50	89	54	47	32	43	17	607	34	0.29	–
24	84	60	85	52	44	33	39	16	621	43	0.35	–
25	87	63	86	56	47	38	40	21	424	43	0.37	–
26	85	59	82	59	53	43	55	22	466	59	0.34	–
27	88	58	86	60	53	47	55	33	240	18	0.26	–
28	85	63	78	61	58	55	79	43		42	0.24	0.02
29	85	56	90	57	56	50	88	53		59	0.31	0.37
30	71	50	73	52	49	49	63	55		41	0.13	0.01
Tot:											7.32	1.01
Ave:	85	60	84	58						36		

RAWAL DAM

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	47	74	49	49	41	59	23	47	0.16	0.02
2	83	55	85	56	49	55	53	33	25	0.33	–
3	84	61	89	59	55	47	56	29	33	0.31	–
4	84	62	82	62	57	53	56	31	31	0.24	–
5									28	0.31	–
6									35	0.33	–
7									25	0.35	–
8									40	0.36	–
9									42	0.40	–
10									85	0.23	0.07
11			90	68					22	0.26	–
12			97	64					40	0.36	–
13			85	60					63	0.25	0.64
14			68	58					78	0.15	0.62
15			71	58					26	0.12	0.27
16			86	61	58	51	63	31	34	0.31	–
17			89	60	58	61	51	41	45	0.35	–
18			90	64	64	56	72	45	35	0.32	–
19			79	60	59	59	64	45	31	0.19	–
20			87	62	60	58	58	30	34	0.29	–
21			97	66	59	61	47	36	21	0.32	–
22			95	67	60	56	43	34	58	0.39	–
23			88	63	58	56	51	28	46	0.35	–
24			95	65	59	57	42	26	23	0.36	–
25			98	65	58	57	40	25	33	0.40	–
26			97	66	63	55	47	22	32	0.42	–
27			97	66	59	53	38	20	40	0.50	–
28			98	67	61	64	43	29		0.48	–
29			99	68	61	64	41	29	63+	0.45	–
30			98	70	65	66	43	29	35	0.48	–
31			99	75	68	66	47	26	32	0.50	–
Tot:										**10.27**	**1.62**
Ave:									–		

RAWAL DAM

June 1969

Date	TEMPERATURES °F						Relative Humidity Percent		Wind Movement	Evaporation in	Rain in
	Air		Pan Water		Dew Point						
	Max	Min	Max	Min	8 A.M	5 P.M	8 A.M	5 P.M	Miles	inches	inches
1			100	70	64	66	47	29	49	0.46	0.05
2			102	72	66	63	48	27	43	0.52	-
3			98	72	65	59	52	31	52	0.48	0.02
4			94	68	61	51	43	23	30	0.38	-
5			96	67	57	53	41	20	56	0.50	-
6			96	66	54	46	33	15	32	0.48	-
7			99	67	54	45	30	14	39	0.50	-
8			97	67	55	47	32	15	47	0.55	-
9			97	67	56	48	31	15	38	0.54	-
10			97	66	53	55	27	22	42	0.56	-
11			100	70	60	47	35	15	44	0.55	-
12			99	68	56	53	31	20	48	0.55	-
13			99	67	53	28	28	29	38	0.54	-
14			98	68	54	58	30	22	32	0.45	-
15			98	70	60	55	35	20	39	0.50	-
16			100	71	59	61	32	23	35	0.50	-
17			101	73	61	59	31	25	30	0.51	-
18			102	75	64	55	36	17	32	0.51	-
19			101	73	63	62	65	26	39	0.56	0.05
20			100	72	59	35	34	8	33	0.52	-
21			97	70	49	42	21	29	73	0.56	-
22			98	68	59	58	35	22	44	0.56	-
23			99	66	63	62	65	33	68	0.57	0.62
24	96	70	95	67	65	70	46	16	27	0.25	-
25	104	75	100	72	68	57	49	31	31	0.45	-
26	107	75	100	71	62	60	38	24	27	0.47	-
27	106	80	101	74	63	64	38	30	32	0.47	-
28	103	75	100	70	46	59	36	27	61	0.46	-
29	108	75	96	72	58	65	37	30	27	0.40	-
30	108	76	98	72	61	65	46	42	36	0.45	-
Total										14.80	0.74
Avge.			100	70					41		

RAWAL DAM

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	71	92	72	71	68	86	47	30	0.33	0.53
2	92	71	89	72	69	63	59	30	20	0.32	0.07
3	101	76	102	73	66	65	50	31	29	0.43	–
4	103	82	100	75	68	63	43	37	32	0.41	–
5	106	81	99	75	67	67	42	25	37	0.44	–
6	104	82	103	75	65	69	38	31	31	0.44	–
7	109	86	103	79	73	73	55	39	45	0.48	–
8	104	73	104	76	74	73	63	41	47	0.50	0.11
9	104	83	103	79	69	71	51	48	44	0.45	–
10	99	72	100	73	71	71	68	44	50	0.32	0.17
11	99	73	99	75	71	70	91	45	42	0.42	0.35
12	97	74	99	75	71	74	57	51	31	0.32	–
13	100	77	102	74	71	72	50	41	44	0.45	–
14	101	72	99	76	71	64	91	49	49	0.42	–
15	94	70	93	73	75	67	76	39	50	0.35	0.33
16	98	76	103	76	71	67	65	36	34	0.38	0.06
17	100	82	100	80	74	73	66	39	35	0.40	–
18	104	84	104	80	76	76	61	46	50	0.44	–
19	103	86	102	82	77	77	65	43	41	0.42	–
20	105	84	105	81	78	77	76	62	44	0.44	–
21	96	77	98	78	77	79	91	84	50	0.33	0.29
22	85	74	85	77	75	74	83	63	26	0.12	0.54
23	90	80	90	79	78	78	80	65	24	0.15	–
24	93	74	99	75	75	74	95	63	42	0.46	2.66
25	90	74	89	75	75	76	87	73	30	0.19	0.08
26	89	75	94	76	75	75	83	61	31	0.22	–
27	92	73	100	76	75	75	83	61	33	0.30	0.52
28	93	71	102	72	65	71	66	54	43	0.30	–
29	91	74	95	73	73	73	75	51	29	0.30	–
30	95	76	103	77	76	71	76	44	22	0.31	–
31	98	76	102	76	75	72	69	41	28	0.38	–
Tot:										11.22	5.71
Ave:	98	77	99	76					37		

RAWAL DAM

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	75	104	74	71	62	59	28	25	0.38	-
2	103	81	104	77	77	71	65	37	31	0.39	-
3	104	80	104	79	76	76	83	61	40	0.41	-
4	92	77	93	78	77	78	91	50	32	0.28	0.41
5	99	80	104	79	78	78	73	51	20	0.30	-
6	102	82	106	81	77	75	83	72	40	0.32	-
7	88	74	86	76	74	76	91	79	56	0.27	1.02
8	84	75	84	77	76	80	83	77	10	0.22	0.13
9	92	80	98	79	79	79	87	76	18	0.20	-
10	90	77	97	78	77	78	87	70	38	0.26	0.06
11	90	75	94	76	75	79	95	67	27	0.35	1.80
12	92	71	100	74	74	75	91	91	29	0.31	0.73
13	79	72	77	73	75	76	91	76	18	0.30	1.93
14	87	77	94	75	77	77	91	80	14	0.18	-
15	89	75	94	76	77	76	96	79	19	0.17	0.21
16	85	73	90	76	75	77	91	65	11	0.15	0.19
17	92	76	103	77	76	77	83	65	20	0.24	0.04
18	92	77	105	78	77	75	91	73	28	0.25	0.04
19	89	70	100	72	72	78	91	69	34	0.20*	2.41
20	89	73	99	73	74	74	83	76	20	0.21	0.08
21	88	72	94	74	72	70	79	66	14	0.18	-
22	91	67	101	68	67	72	77	51	28	0.28	0.31
23	91	70	98	71	73	72	79	53	15	0.24	-
24	93	73	101	73	73	76	72	53	16	0.25	-
25	93	69	101	72	69	73	90	61	18	0.38	0.80
26	92	65	100	66	67	74	73	55	41	0.42	0.62
27	92	70	99	69	73	74	74	56	11	0.24	-
28	93	72	101	72	71	76	75	54	16	0.23	-
29	96	72	101	72	69	76	67	54	17	0.26	-
30	98	74	103	74	76	77	76	55	16	0.26	-
31	98	73	104	73	70	77	68	57	15	0.26	-
Tot:										8.39	10.38
Ave:	92	74	98	75					24		

* Estimated evaporation.

RAWAL DAM

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	74	103	73	73	78	75	57	13	0.25	–
2	99	74	102	75	71	78	68	52	10	0.25	–
3	99	74	103	75	69	66	61	46	10	0.27	–
4	96	59	101	69	71	75	71	56	27	0.36	0.84
5			100	71	72	76	71	54	17	0.23	–
6	100	73	102	74	68	73	67	75	14	0.24	–
7	86	68	83	69	68	68	90	56	34	0.14	0.10
8	87	66	86	67	69	73	74	55	19	0.14	–
9	92	66	97	70	66	73	90	58	17	0.20	0.18
10	92	68	95	70	71	73	79	55	19	0.21	–
11	93	73	97	72	73	69	83	61	16	0.23	–
12	88	72	96	72	72	75	83	56	25	0.24	–
13	94	73	98	74	73	75	75	54	11	0.22	–
14	96	71	101	74	68	71	67	59	28	0.25	–
15	88	61	95	68		71		71	38	0.38	1.13
16	82	64	83	67	64	67	76	55	12	0.14	–
17	88	62	94	65	65	68	77	53	17	0.18	–
18	90	64	95	65	67	70	77	47	15	0.20	–
19	94	65	96	66	67	67	73	48	16	0.22	–
20	92	67	100	66	67	66	73	50	22	0.24	–
21	90	66	95	66	64	67	69	50	20	0.23	–
22	91	66	94	66	65	69	66	49	20	0.24	–
23	92	69	95	68	68	71	74	50	20	0.23	–
24	93	67	94	66	66	66	70	50	20	0.25	–
25	92	68	95	68	67	68	85	67	18	0.21	0.04
26	90	63	86	63	63	72	72	60	19	0.18	0.01
27	92	65	92	65	63	67	65	50	14	0.20	–
28	93	67	92	66	64	[illegible]	65	53	21	0.24	–
29	92	68	91	68	68	[illegible]	74	49	23	0.24	–
30	93	69	92	68	66	74	70	56	22	0.25	–
Tot:										6.86	2.40
Ave:			95	69					19		

RAWAL DAM

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	69	94	68	66	55	66	37	16	0.24	-
2	92	60	92	62	62	65	76	52	41	0.27	0.17
3	88	60	90	63	60	62	71	46	13	0.20	-
4	89	62	90	63	56	57	59	39	17	0.22	-
5	88	61	88	62	61	63	68	47	20	0.23	-
6	91	60	90	61	59	61	64	43	14	0.20	-
7	91	63	88	62	60	61	64	41	19	0.22	-
8	92	63	91	62	58	64	57	49	19	0.22	-
9	91	62	88	63	62	63	68	44	20	0.23	-
10	91	66	89	64	63	65	65	52	16	0.20	-
11	90	68	88	66	66	64	73	81	19	0.22	-
12	83	60	80	60	62	65	80	60	39	0.54	1.24
13	85	60	86	62	62	67	76	66	14	0.20	-
14	87	58	89	60	58	64	89	72	28	0.35	0.87
15	80	60	78	60	58	64	79	90	23	0.14	0.12
16	76	57	71	58	60	57	89	61	30	0.11	0.04
17	80	54	84	56	58	63	83	60	13	0.14	-
18	83	55	84	57	57	61	74	65	18	0.15	-
19	84	55	84	57	57	58	74	57	16	0.14	-
20	84	55	84	56	58	54	74	42	15	0.15	-
21	87	53	83	55	55	55	74	47	18	0.16	-
22	87	55	85	56	56	61	66	50	18	0.16	-
23	88	63	84	62	60	65	71	66	22	0.16	-
24	87	57	85	60	58	57	74	46	12	0.15	-
25	87	54	84	57	57	60	79	47	14	0.16	-
26	86	55	84	57	58	62	74	55	13	0.16	-
27	87	63	84	59	60	58	71	54	22	0.16	-
28	83	46	81	56	54	48	78	64	64	0.18*	2.64
29	77	57	73	57	60	69	89	78	41	0.22	0.38
30	80	56	79	57	58	61	83	61	17	0.12	-
31	82	53	81	56	53	59	73	54	16	0.12	-
Tot:										6.12	5.46
Ave:	86	59	85	60					22		

* Estimated evaporation.

RAWAL DAM

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	54	81	56	55	61	74	53	13	0.13	-
2	84	54	82	56	58	66	71	66	14	0.14	-
3	85	55	81	57	57	55	74	49	13	0.13	-
4	84	53	81	54	53	61	68	58	14	0.14	-
5	83	54	77	55	53	55	78	56	13	0.13	-
6	82	55	77	56	57	61	74	68	14	0.11	-
7	82	53	80	55	55	61	83	58	11	0.12	-
8	84	54	80	55	54	61	73	61	12	0.11	-
9	83	54	80	55	54	53	69	46	14	0.12	-
10	84	54	79	55	55	61	83	68	17	0.13	-
11	79	52	72	55	55	60	74	67	14	0.11	-
12	80	57	78	57	54	59	73	64	32	0.17	0.23
13	74	48	73	52	53	57	88	63	12	0.09	-
14	77	47	75	51	52	49	87	53	12	0.10	-
15	76	45	74	48	50	50	87	56	15	0.11	-
16	75	45	72	46	46	46	75	51	18	0.12	-
17	75	41	71	44	45	43	80	41	17	0.12	-
18	76	40	68	43	45	50	80	53	21	0.13	-
19	74	50	68	43	48	49	66	55	30	0.12	0.02
20	71	46	65	47	48	55	87	69	23	0.09	-
21	73	46	68	47	48	46	87	54	9	0.08	-
22	72	37	69	39	38	50	71	67	21	0.10	-
23	73	38	66	40	42	45	79	50	11	0.10	-
24	73	39	66	40	42	48	73	52	12	0.10	-
25	76	37	67	39	33	45	61	50	10	0.10	-
26	74	38	65	40	37	39	65	40	12	0.09	-
27	73	37	65	40	37	40	65	41	17	0.10	-
28	72	40	64	40	37	49	65	55	16	0.11	-
29	71	39	64	40	39	44	78	49	14	0.10	-
30	72	41	64	41	37	45	71	57	17	0.10	-
Tot:										3.40	0.25
Ave:	77	47	72	48					16		

RAWAL DAM

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	38	66	40	38	42	77	49	15	0.10	-
2	71	36	63	39	37	40	77	44	14	0.09	-
3	71	35	62	38	37	41	84	45	12	0.09	-
4	72	39	62	39	36	45	70	50	15	0.09	-
5	73	44	63	41	41	43	79	46	15	0.10	-
6	74	39	65	42	39	40	67	39	16	0.10	-
7	75	39	64	41	38	48	71	52	18	0.10	-
8	74	39	65	41	38	44	71	40	12	0.09	-
9	74	42	65	42	39	50	67	67	19	0.10	-
10	71	43	62	43	43	47	85	58	14	0.08	-
11	71	41	64	42	43	40	85	41	18	0.09	-
12	75	36	65	39	38	41	77	42	11	0.09	-
13	72	36	63	38	38	41	77	42	12	0.09	-
14	72	35	62	38	36	43	70	46	15	0.09	-
15	71	41	62	39	40	46	84	51	13	0.10	-
16	72	39	62	40	37	42	77	52	12	0.09	-
17	69	37	58	38	36	43	76	46	11	0.08	-
18	73	36	62	38	35	43	69	43	13	0.08	-
19	73	37	62	38	35	43	69	46	12	0.09	-
20	70	35	61	38	31	41	61	51	13	0.08	-
21	70	40	60	38	33	40	63	47	21	0.09	-
22	69	34	60	37	29	45	55	57	16	0.08	-
23	67	33	59	36	30	38	74	43	13	0.08	-
24	66	32	58	36	31	37	74	45	12	0.07	-
25	66	31	58	36	31	41	90	63	12	0.07	-
26	64	32	53	33	27	37	58	42	11	0.07	-
27	68	35	58	35	32	40	68	47	18	0.08	-
28	68	35	58	36	31	37	67	45	16	0.07	-
29	67	38	57	37	35	44	76	61	13	0.07	-
30	62	40	52	40	37	42	77	49	9	0.06	-
31	71	35	62	40	36	37	83	39	14	0.07	-
Tot:										2.63	0.00
Ave:	70	37	61	39					14		

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Location Latitude 34°45', Longitude 72°22', in the premises of Central Hospital Saidu Sharif.

Elevation 3,200 ± ft msl.

Period of record December 1962 to date, station established by Surface Water Hydrology Project WAPDA.

Instruments
5" Non-recording rain gauge.
U.S. Universal weighing type recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures

Precipitation	28.32 inches
Evaporation (Pan)	77.18 inches
Absolute maximum air temperature	102 °F
Absolute minimum air temperature	30 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown.
Blank space indicates no record.
(-) indicates no precipitation.

SAIDU SHARIF

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	54	33			29	37	80	65		0.03	-
2	52	33			22	34	61	46		0.05	-
3	60	36			25	34	63	50		0.08	-
4					27	34	65	46		0.08	-
5	62	35			27	1	72	13		0.08	-
6	56	35			25	38	52	71		0.05	-
7	53	41			36	37	70	56		0.04	-
8	54	36			29	39	73	62		0.05	-
9	62	37			39	43	84	74		0.02	0.06
10	58	35			28	37	73	45		0.04	-
11	64	35			19	33	47	53		0.08	-
12	53	37			30	38	51	77		0.05	-
13	50	34			30	41	80	67		0.03	-
14	53	32			26	35	79	47		0.03	-
15					30	40	74	47		0.06	-
16	66	38			29	38	66	43		0.09	-
17	68	39			30	38	66	46		0.10	-
18	62	40			32	34	68	50		0.07	-
19	63	37			27	27	65	35		0.08	-
20	66	38			24	19	56	23		0.09	-
21	69	38			31	28	67	42		0.09	-
22	58	41			38	39	77	50		0.03	-
23	70	42			33	42	69	55		0.10	-
24	68	43			38	42	61	52		0.09	-
25	64	48			41	43	67	86		0.07	-
26	52	43			41	36	92	70		0.01	0.74
27	47	35			33	39	90	50		0.01	0.33
28	60	36			25	38	52	46		0.08	-
29	63	38			26	35	64	51		0.10	-
30	57	36			30	38	74	43		0.07	-
31	66	38			32	38	57	77		0.16	-
Tot:										2.01	1.13
Ave:											

SAIDU SHARIF

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	54	34			33	37	90	84		0.08 *	0.77
2	43	32			29	41	80	58		0.11	0.32
3					26	39	64	53		0.13	-
4	62	36			26	45	64	63		0.10	-
5	64	33			27	43	72	74		0.09	-
6	57	35			25	38	63	53		0.13	-
7	60	36			21	41	54	58		0.12	-
8	60	36			20	41	48	54		0.12	-
9	62	39			27	39	58	57		0.12	-
10	60	40			32	44	68	64		0.07	-
11	58	42			36	40	76	44		0.06	-
12	65	42			39	44	67	85		0.12	-
13	57	40			38	42	91	92		0.07	0.97
14	45	40			40	45	92	93		0.13	1.46
15	48	40			40	47	92	70		0.01	0.12
16	60	40			41	46	92	93		0.08	-
17	52	40			41	44	92	74		0.07	0.73
18	55	39			35	35	83	55		0.02	0.05
19	56	37			33	39	82	50		0.08	-
20	60	37			27	38	58	46		0.12	-
21	62	40			30	47	56	65		0.12	-
22	60	45			36	46	64	54		0.08	-
23	67	47			41	45	67	69		0.15	-
24	58	46			43	45	85	80		0.03	0.20
25	52	40			40	43	84	52		0.02	0.03
26	65	44			44		80			0.13	-
27	56	42			39	46	84	75		0.11	1.06
28	60	40			36	53	76	73		0.05	0.06
Tot:										2.52	5.77
Ave:											

* Estimated evaporation.

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	43			36	47	64	55		0.14	-
2	68	47			25	50	34	56		0.14	-
3	70	53			44	40	64	41		0.16	-
4	69	48			39	55	67	62		0.10	-
5	74	50			27	49	35	50		0.15	-
6	71	51			49	50	76	53		0.11	0.16
7	71	49			35	55	55	59		0.17	-
8	74	50			41	57	58	56		0.18	-
9	79	51			43	53	64	58		0.21	-
10	79	52			38	51	49	54		0.21	-
11	79	52			41	53	51	52		0.22	-
12	81	53			41	60	51	61		0.25	-
13	83	55			42	56	52	50		0.26	-
14	83	56			41	57	48	44		0.26	-
15	83	56			47	43	58	27		0.28	-
16	85	57			45		53			0.24	-
17	82	64								0.18	0.02
18	80	56								0.26	0.23
19	59	50								0.03	0.59
20	56	44								0.10	0.87
21	68	42								0.14	-
22	72	53								0.12	0.03
23	56	44								0.04	0.28
24	71	52				52		45		0.18	-
25	80	56	80	51	52	45	77	75		0.16	0.14
26	70	44	71	48	44	46	69	51	38	0.19	1.29
27	68	46	77	48	39	51	57	51	42	0.21	-
28	72	51	78	48	39	46	50	45	31	0.22	-
29	73	51	79	52	41	45	51	37	33	0.22	-
30	76	51	79	53	40	50	44	45	33	0.19	-
31	77	53	81	54	46	52	54	45	36	0.20	-
Tot:										5.52	3.61
Ave:	73	51									

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	52	85	66	45	44	50	35	36	0.23	-
2	79	52	85	51	37	53	37	39	36	0.22	-
3	84	48	88	50	32	34	34	17	31	0.20	-
4	83	44	80	64	42	40	55	25	32	0.24	-
5	82	44	83	51	43	63	60	65	26	0.23	—
6	79	49	82	53	45	40	50	59	25	0.20	—
7	84	55	84	56	45	55	42	43	39	0.24	-
8	84	55	87	57	46	49	45	33	34	0.25	-
9	84	62	86	59	53	53	55	48	34	0.25	-
10	80	58	76	60	55	56	69	53	32	0.12	0.07
11	79	60	83	59	51	55	68	78	39	0.19	-
12	66	52	67	54	53	56	78	59	25	0.07	0.65
13	73	53	77	55	47	57	55	53	29	0.12	0.02
14	79	58	87	58	55	52	69	45	23	0.17	-
15	78	58	75	59	51	52	68	45	28	0.14	0.53
16	76	54	81	59	44	44	94	37	22	0.15	-
17			75	54	42	44	52	37	38	0.11	0.22
18	72	52	84	53	47	48	62	52	30	0.22	-
19	66	59	69	57	51	53	72	83	17	0.10	-
20	60	52	74	55	50	53	87	83	21	0.06	0.27
21	60	46	64	49	46	48	80	49	30	0.22	0.76
22			83	54	42	55	52	56	31	0.12	-
23	78	49	82	52	42	54	49	73	30	0.23	-
24	66	49	77	49	47	68	62	82	37	0.24	-
25	74	52	81	54	50	51	87	72	30	0.24	-
26	61	52	65	53	45	57	61	60	33	0.14	0.04
27	72	58	82	56	49	51	59	72	36	0.20	-
28			66	53	49	43	67	72	25	0.14	1.34
29	86	52	86	54	47		81		33	0.25	0.22
30	58	48	60	49	47	46	81	54	20	0.05	0.16
Tot:										5.34	4.28
Ave:			78	55					30		

SAIDU SHARIF

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	47	76	51	44	42	61	31	28	0.20	-
2	84	49	83	53	44	42	49	31	25	0.21	-
3	78	52	85	55	46	44	45	39	38	0.29	-
4	70	52	80	59	54	50	73	34	34	0.20	-
5	81	59	82	60	51	47	54	29	27	0.25	-
6	84	60	90	59	50		47		31	0.27	-
7	87	64	91	77	52	60	51	47	29	0.30	-
8	89	61	85	65	53	47	55	29	25	0.24	0.07
9	87	62	81	64	56	60	70	67	43	0.30	0.27
10	77	61	78	62	55	59	62	49	21	0.10	0.04
11	81	60	85	63	55	47	59	5	32	0.20	-
12	87	58	92	62	52	50	57	53	31	0.31	0.09
13	78	58	86	59	49	49	59	53	31	0.15	0.30
14	68	56	70	63	44	49	47	67	15	0.24	0.64
15	65	53	65	52	45	46	50	45	31	0.07	0.32
16	78	52	80	55	51	47	60	29	21	0.16	-
17	85	56	91	58	51	45	51	33	31	0.26	-
18	83	60	83	61	49	50	63	45	31	0.23	0.06
19	76	55	81	59	41	49	35	33	25	0.13	-
20	82	56	88	60	51	47	51	25	32	0.35	-
21	88	61	91	63	50	57	38	38	31	0.30	-
22	87	61	87	65	56	45	66	28	24	0.23	0.06
23	84	62	87	58	61	46	29	23	46	0.30	-
24	90	61	94	60	35	45	54	24	25	0.30	-
25	94	64	95	62	49	45	41	19	26	0.34	-
26	94	66	94	63	46	51	30	29	31	0.35	-
27	96	62	96	62	50	43	38	22	26	0.35	-
28	96	63	95	62	49	46	32	19	32	0.36	-
29	97	68	96	65	55	44	43	23	27	0.34	-
30	98	70	99	66	47	49	28	21	32	0.41	-
31	99	73	99	66	55	45	40	19	37	0.41	-
Tot:										8.15	1.85
Ave:	84	59	87	61					30		

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June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	67	97	65	54	50	38	23	38	0.47	–
2	99	72	96	67	56	61	50	43	44	0.41	–
3	92	68	92	66	66	57	81	33	30	0.23	0.03
4	91	66	96	64	45	49	32	33	32	0.40	0.26
5	86	56	85	59	39	47	33	49	38	0.23	0.03
6	92	64	94	64	46	45	30	19	25	0.30	–
7	96	64	94	62	47	48	29	21	38	0.40	–
8	98	64	96	64	52	41	35	14	28	0.40	–
9	99	68	95	65	50	43	31	17	34	0.50	–
10	100	68	96	64	47	24	28	7	35	0.55	–
11	99	72	94	65	47	40	29	19	46	0.50	–
12	97	63	96	66	49	48	33	21	26	0.46	–
13	96	66	96	66	46	46	26	19	26	0.40	–
14	98	68	97	66	51	47	29	18	26	0.41	–
15	98	68	95	66	52	49	35	23	30	0.45	–
16	99	68	96	66	47	50	28	22	30	0.46	–
17	99	71	97	68	53	48	32	18	28	0.48	–
18	102	72	97	68	47	49	18	21	30	0.50	–
19	100	72	98	68	60	52	21	23	36	0.50	0.01
20	98	70	97	67	51	51	29	19	38	0.46	–
21	102	72	98	68	55	47	35	22	30	0.52	–
22	99	70	96	66	50	47	31	20	33	0.47	–
23	98	71	97	66	43	56	23	31	34	0.46	–
24	92	68	94	65	45	46	25	19	40	0.45	–
25	98	74	94	67	51	53	29	22	36	0.49	–
26	100	69	99	66	46	41	29	14	25	0.50	–
27	100	70	96	65	53	53	32	26	31	0.53	–
28	97	68	95	67	61	49	55	25	36	0.40	0.23
29	90	66	93	65	55	45	43	24	28	0.40	0.25
30	94	67	97	66	54	53	38	29	31	0.39	–
Tot:										13.12	0.81
Ave:	97	68	95	66					33		

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	91	70	93	71	64	59	65	37	26	0.52	-
2	90	71	95	71	56	62	41	35	29	0.47	-
3	96	72	98	73	64	59	51	31	27	0.41	-
4	95	76	98	74	62	52	46	23	28	0.45	-
5	97	70	99	72	62	54	21	25	24	0.47	-
6	99	74	100	72	57	63	33	25	24	0.48	-
7	102	74	100	72	65	67	49	37	24	0.49	-
8	100	71	99	71	58	51	40	21	39	0.45	-
9	100	70	100	70	60	75	43	56	37	0.48	0.16
10	92	72	95	72	64	63	65	40	30	0.29	0.02
11	93	68	98	69	62	56	53	41	28	0.34	0.16
12	95	66	99	67	57	63	46	38	27	0.35	-
13	94	72	96	71	67	62	61	35	32	0.36	-
14	95	76	98	73	61	62	46	68	32	0.39	-
15	93	68	85	67	61	63	61	40	23	0.12	0.27
16	91	72	97	70	67	67	63	42	19	0.30	-
17	96	75	102	76					18	0.31	-
18	99	80	104	80					19	0.32	-
19	98	80	103	80					28	0.38	-
20	99	84	102	82					29	0.38	-
21	95	81	101	81					34	0.35	-
22	92	78	102	80					44	0.48	-
23	88	76	95	75					43	0.25	0.05
24	92	74	98	78					43	0.46	0.06
25	86	74	95	75					55	0.35	-
26	88	76	96	76					66	0.35	-
27	88	70	98	74					46	0.39	0.07
28	88	72	90	72					32	0.30	-
29	86	66	92	68					33	0.27	-
30	88	70	95	70					33	0.34	-
31	86	68	87	73					14	0.25	-
Tot:										11.55	0.79
Ave:	93	73	97	73					32		

SAIDU SHARIF

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	72	96	65					31	0.35	-
2	96	70	97	72					30	0.38	-
3	96	74	98	75					33	0.37	-
4	92	80	99	72					47	0.50	-
5	94	80	99	79					40	0.57	-
6	96	82	101	79					24	0.50	-
7	94	78	100	75					72	0.59	-
8	86	76	93	76					37	0.30	-
9	92	80	99	78					45	0.50	-
10	94	78	101	79					46	0.46	0.06
11	84	72	84	74					22	0.28 *	0.46
12	86	70	93	69					17	0.10	-
13	86	72	89	74					32	0.14	-
14	88	74	93	73					29	0.35	-
15	86	74	86	74					10	0.08	-
16	84	70	91	72					18	0.13	-
17	88	74	96	74					33	0.28	-
18	90	72	97	74					35	0.30	-
19	88	70	96	71					44	0.58	0.93
20	88	66	95	76					33	0.47	0.95
21	86	64	94	76					19	0.26	-
22	86	64	94	68					29	0.41	0.57
23	84	64	90	75					34	0.20	-
24	88	66	92	67					20	0.50	-
25	88	70	94	69					20	0.30	-
26	88	64	94	64					30	0.30	-
27	86	66							29	0.28	-
28	88	67							27	0.29	-
29	89	67							18	0.29	-
30	94	68							23	0.28	-
31	96	72							26	0.35	-
Tot:										10.69	2.97
Ave:	90	71							31		

* Estimated evaporation.

SAIDU SHARIF

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	68							26	0.32	-
2	92	72							34	0.35	0.05
3	88	66							22	0.23	-
4	90	62							27	0.30	-
5	90	66							23	0.25	-
6	92	68							25	0.25	-
7	88	68							21	0.20	-
8	84	65							26	0.20	-
9	86	60							23	0.20	-
10	86	64							23	0.26	-
11	88	66							25	0.25	-
12	90	72							27	0.32	-
13	92	68							17	0.20	-
14	92	64							33	0.41	0.99
15	80	60							29	0.01	0.13
16	80	60							20	0.32	0.17
17	82	58							16	0.20	-
18	86	58							18	0.24	-
19	88	60							21	0.25	-
20	86	58							27	0.26	-
21	84	58							32	0.33	0.03
22	84	60							16	0.28	-
23	88	64							14	0.25	-
24	86	62							3	0.44	0.85
25	86	60							3	0.20	-
26	84	58							4	0.18	0.18
27	84	60							3	0.25	-
28	86	60							4	0.22	-
29	86	62							4	0.25	-
30	86	62							8	0.28	-
Tot:										7.79	2.40
Ave:	87	63							19		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	86	66							2	0.28	-
2	86	56	86	55					3	0.25	0.29
3	78	58	81	56					5	0.16	-
4	80	58	83	58					5	0.20	-
5	80	58	81	58					4	0.22	-
6	82	58	82	56					4	0.25	-
7	84	56	82	58					2	0.27	-
8	84	58	81	57					2	0.22	-
9	84	60	80	59					6	0.22	-
10	84	58	83	60					2	0.22	-
11	82	64	79	61					4	0.18	-
12	72	54	76	55					12	0.14	0.42
13	78	56	80	55					21	0.18	-
14	80	58	84	56					36	0.15	-
15	78	58	77	56					40	0.26	0.90
16	68	52	68	53					14	0.04	0.27
17	72	54	77	54					29	0.15	-
18	74	54	78	53					30	0.16	-
19	76	56	77	54					31	0.17	-
20	76	55	75	53					32	0.15	-
21	78	54	78	52					24	0.16	-
22	80	52	78	52					28	0.18	-
23	78	56	77	52					35	0.18	-
24	78	54	77	52					29	0.13	-
25	78	54	78	53					27	0.16	-
26	80	52	77	51					24	0.17	-
27	80	56	77	52					23	0.15	-
28	64	52	58	52					27	0.09*	2.13
29	64	52	64	51					30	0.12	0.42
30	72	56	73	51					17	0.09	-
31	74	52	77	52					19	0.13	-
Tot:										5.43	4.43
Ave:	78	56							18		

* Estimated evaporation.

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	72	50	72	50					22	0.10	-
2	74	54	75	50					30	0.13	-
3	74	52							23	0.14	-
4	76	54							27	0.13	-
5	74	54							13	0.12	-
6	70	52							25	0.10	-
7	74	50							19	0.07	-
8	74	50							16	0.08	-
9	76	50							18	0.10	-
10	70	48							14	0.08	-
11	68	50							10	0.06	-
12	68	54							27	0.07	0.05
13	66	48							21	0.07	-
14	68	46							24	0.08	-
15	68	46							32	0.09	-
16	68	44							24	0.10	-
17	66	40							25	0.09	-
18	68	40							22	0.10	-
19	68	44							31	0.11	0.08
20	64	44							34	0.08	0.15
21	58	40							11	0.07	-
22	62	42							10	0.08	-
23	66	42							34	0.09	-
24	64	42							30	0.09	-
25	68	42							33	0.11	-
26	66	39							26	0.14	-
27	66	35							21	0.08	-
28	66	34							14	0.08	-
29	62	34							16	0.06	-
30	65	36							17	0.07	-
Tot:										2.77	0.28
Ave:	68	45							22		

BAIDU SHARIF

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	62	34							19	0.06	-
2	64	36							26	0.07	-
3	64	38							29	0.08	-
4	66	34							21	0.10	-
5	64	40							16	0.08	-
6	64	44							30	0.08	-
7	68	40							27	0.09	-
8	68	44							15	0.11	-
9	68	36							22	0.10	-
10	62	34							12	0.07	-
11	62	36							25	0.06	-
12	66	40							34	0.09	-
13	64	40							31	0.08	-
14	68	40							30	0.09	-
15	62	40							20	0.07	-
16	64	38							4	0.07	-
17	62	36							2	0.06	-
18	66	38							2	0.07	-
19	64	36							2	0.07	-
20	66	38							7	0.08	-
21	64	34							6	0.08	-
22	60	32							2	0.07	-
23	62	32								0.07	-
24	60	32								0.06	-
25	60	32								0.07	-
26	62	32								0.06	-
27	62	30								0.06	-
28	62	30								0.05	-
29	58	34								0.06	-
30	56	42								0.06	-
31	60	40								0.07	-
Tot:										2.29	0.00
Ave:	63	37									

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Location Latitude 26°07', Longitude 68°17', nearly ½ mile from Sakrand Town towards Hyderabad on National Highway.

Elevation

Period of record The station was established at Pai Forest by the Project Director, Project Planning, Southern Zone (old L.I.P) on 24.9.64 and taken over by Surface Water Hydrology Project in December 1965. The station was shifted to its present location in March 1967.

Instruments 5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.

Annual figures Data incomplete.

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

SAKRAND

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	43	63	41	39	54	77	68	43	0.11	-
2	69	40	68	40	42	50	100	62	33	0.12	-
3	68	33	66	36	31	55	90	73	30	0.11	-
4			66	37	35	55	90	73	35	0.11	-
5	69	36	67	38	33	55	81	69	33	0.12	-
6			67	41	43	55	85	77	42	0.12	-
7	65	40	61	39	37	61	83	75	34	0.11	-
8	72	42	68	43	43	57	85	69	40	0.12	-
9	70	44	68	45	43	60	85	70	37	0.12	-
10			69	46	50	63	87	68	28	0.12	-
11	78	51	75	70	50	67	87	77	16	0.13	-
12	78	54	70	54	53	61	87	71	34	0.13	-
13	74	41	74	45	38	61	83	75	42	0.13	-
14	76	40	70	40	37	62	83	75	23	0.13	-
15	74	38	69	42	35	62	90	73	21	0.12	-
16			72	42	36	55	82	70	36	0.15	-
17	70	40	64	42	40	59	91	71	43	0.13	-
18	73	41	69	44	38	61	83	63	25	0.13	-
19	74	41	71	44	38	61	83	67	31	0.13	-
20			74	44	46	60	85	68	49	0.15	-
21	74	42	74	43	40	64	77	68	42	0.14	-
22	78	44	74	43	45		85		20	0.14	-
23											-
24	82	44	76	43	46	68	79	68	56+	0.29+	-
25	85	45	80	45	46	72	79	73	28	0.16	-
26	86	46	80	46	46	67	79	73	48	0.15	-
27	80	47	78	49	46	63	79	68	41	0.15	-
28	76	43	73	45	43	63	85	64	27	0.15	-
29	78	44			45	65	85	69	20	0.15	-
30	79	41	74	45	39	67	77	69	30	0.16	-
31			75	54	55	69	88	73	23	0.16	-
Tot:										4.14	0.00
Ave:									33		

+ Two days observation.

SAKRAND

February 1969

Date	TEMPERATURES °F Day Max	Day Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	84	52	77	52	52	60	81	70	80	0.20	-
2	72	42	75	45	39	56	77	65	19	0.18	-
3	71	41	72	43	41	64	84	76	33	0.19	-
4	76	35	74	40	33	60	81	70	29	0.17	-
5	73	35	71	40	32	63	81	72	31	0.16	-
6	76	36	74	42	37	64	91	67	17	0.16	-
7	77	39	75	42	37	61	83	68	25	0.17	-
8	75	42	74	45	43	63	85	65	48	0.19	-
9	76	42	74	42	43	64	91	65	48	0.19	-
10	80	41	77	43	40	65	84	66	25	0.20	-
11	81	46	78	48	46	67	79	75	23	0.19	-
12	80	48	79	51	48	61	80	68	16	0.17	-
13	86	53	81	51	53	63	87	67	53	0.16	-
14	74	44	72	47	45	61	85	70	24	0.17	-
15	74	49	76	49	49	60	80	86	62	0.19	-
16	72	50	77	50	51	70	81	77	44	0.19	-
17	76	52	76	52	50	68	81	64	26	0.19	-
18	77	46	81	49	43	63	78	63	28	0.18	-
19	78	47	80	48	51	67	87	60	36	0.18	-
20	82	46	81	50	49	67	80	68	20	0.19	-
21	85	52	84	51	54	72	77	64	22	0.19	-
22	87	58	80	53	56	71	78	65	47	0.19	-
23	85	64	82	55	63	72	80	69	26	0.20	-
24	88	57	85	57	59	77	83	65	43	0.20	-
25	90	59	90	55	61	75	89	69	17	0.21	-
26	90	56	90	58	58	74	83	69	20	0.21	-
27	89	55	89	53	59	71	94	61	45	0.20	-
28	87	52	86	50	53	69	85	64	26	0.21	-
Tot:										5.23	0.00
Ave:	80	48	79	49					33		

SAKRAND

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	53	87	54	53	77	87	69	38	0.20	-
2	90	54	88	55	57	72	83	59	32	0.22	-
3	90	54	89	54	60	77	84	61	22	0.21	-
4	94	54	90	54	60	77	84	58	18	0.21	-
5	95	54	90	55	60	75	79	60	18	0.22	-
6	93	50	89	51	56	80	82	65	25	0.20	-
7	95	54	91	55	58	77	83	58	23	0.22	-
8	96	56	90	55	61	79	84	59	20	0.22	-
9	97	58	93	60	62	81	84	59	15	0.21	-
10	98	61	94	61	65	79	85	56	16	0.21	-
11	98	56	94	59	60	81	79	57	25	0.21	-
12	101	62	95	59	65	83	80	60	11	0.22	-
13	101	60	96	59	64	87	85	64	14	0.21	-
14	102	59	97	60	62	82	84	58	25	0.22	-
15	102	60	97	60	63	85	80	58	20	0.22	-
16	103	64	97	63	64	84	76	60	15	0.23	-
17	102	65	96	60	66	86	80	61	42	0.22	-
18	103	67	97	63	70	85	86	61	39	0.23	-
19	103	67	97	63	69	80	81	62	42	0.23	-
20	96	66	96	65	67	81	85	62	30	0.21	-
21	98	62	97	61	64	84	85	63	23	0.21	-
22	100	66	95	62	67	85	85	56	36	0.22	-
23	105	70	98	66	71	81	86	62	40	0.24	-
24	97	70	97	67	70	85	86	66	25	0.22	-
25	100	71	97	66	71	80	86	65	44	0.23	-
26	96	58	89	59	65	77	89	69	42	0.22	-
27	91	54	89	56	57	78	88	64	32	0.21	-
28	94	56	91	58	59	77	88	58	16	0.22	-
29	96	58	90	58	62	86	84	72	19	0.23	-
30	99	58	94	58	62	83	84	60	15	0.23	-
31	100	60	93	58	63	83	80	58	25	0.24	-
Tot:										6.79	0.00
Ave:	97	60	93	59					26		

SAKRAND

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	102	58	95	60	63	85	80	56	19	0.25	-
2	105	67	97	63	68	83	77	50	19	0.27	-
3	109	67	100	64	69	87	73	51	26	0.29	-
4	111	68	100	64	71	85	74	46	28	0.29	-
5	112	76	95	69	67	74	67	46	45	0.29	-
6	101	70	88	67	70	74	74	42	26	0.28	-
7	106	70	97	67	71	76	78	43	20	0.33	-
8	107	72	97	68	70	75	74	41	19	0.33	-
9	107	72	98	69	74	70	75	36	21	0.34	-
10	104	74	97	68	73	78	68	44	44	0.34	-
11	108	76	98	71	75	67	69	34	28	0.38	-
12	103	74	96	66	71	71	64	41	85	0.42	-
13	102	77	95	67	67	77	70	49	25	0.41	-
14	101	73	95	69	71	73	64	39	84	0.42	-
15	108	75	99	67	69	72	67	43	66	0.48	-
16	103	77	94	66	65	72	62	45	87	0.43	-
17	98	66	94	63	63	67	64	40	40	0.44	-
18	96	64	98	67	62	59	64	52	35	0.36	-
19	101	72	95	66	69	62	70	27	53	0.45	-
20	105	80	96	56	69	69	56	44	01	0.55	-
21	95	55	92	54	72	65	82	42	44	0.33	-
22	94	50	90	47	62	61	71	32	43	0.43	-
23	96	47	94	46	62	68	64	38	26	0.40	-
24	100	52	94	50	57	78	53	46	30	0.38	-
25	103	52	97	51	63	73	61	40	28	0.40	-
26	105	54	95	50	63	75	58	42	54	0.55	-
27	108	60	100	51	66	77	56	48	52	0.50	-
28	120	63	99	55	75	80	79	48	68	0.45	-
29	104	61	96	56	63	69	53	39	54	0.44	-
30	101	49	95	46	60	71	63	41	44	0.44	-
Tot:										11.67	0.00
Ave:	104	66	96	61					44		

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	62	93	49	64	67	61	43	42	0.40	-
2	98	56	96	52	64	75	61	57		0.41	-
3	97	57	91	52	69	76	73	47	97+	0.45	-
4	103	59	98	55	71	79	74	48	59	0.44	-
5	102	60	97	57	71	81	58	49	42	0.40	-
6	120	60	99	52	68	77	66	42	60	0.50	-
7	107	57	97	55	72	83	74	44	66	0.54	-
8	118	62	101	59	75	84	75	50	43	0.45	-
9	120	65	100	60	76	83	75	42	55	0.44	-
10	122	64	102	57	74	81	75	65	55	0.46	-
11	106	70	100	60	73	85	65	54	60	0.45	-
12	105	68	99	61	75	78	72	42	59	0.44	-
13	106	62	100	55	59	72	75	45	52	0.56	-
14	100	60	94	52	63	73	58	48	40	0.43	-
15	96	58	94	54	63	74	58	48	39	0.40	-
16	102	68	96	67	74	81	78	51	32	0.32	-
17	104	69	98	66	68	91	66	58	22	0.41	-
18	110	77	100	68	77	75	67	34	22	0.45	-
19	111	74	98	70	73	84	59	48	37	0.49	-
20	110	76	98	68	71	85	61	49	28	0.45	-
21	110	78	98	70	76	88	58	51	22	0.42	-
22	112	82	98	68	79	91	73	51	80	0.59	-
23	116	80	102	72	78	86	73	50	59	0.47	-
24	110	80	97	75	78	85	69	49	55	0.50	-
25	110	82	100	72	79	94	73	39	78	0.53	-
26	110	82	101	72	75	89	60	44	42	0.45	-
27	116	84	104	72	88	80	85	36	51	0.55	-
28	118	84	102	73	82	79	68	35	77	0.62	-
29	119	84	102	74	82	81	68	33	78	0.59	-
30	118	86	105	76	79	68	67	22	74	0.55	-
31	118	84	105	75	83	75	74	30	72	0.49	-
Tot:										14.65	0.00
Ave:	110	71	99	63					52		

\+ Two days observation.

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	114	84	105	75	80	87	74	55	107	0.46	-
2	109	83	101	73	82	87	77	64	124	0.46	-
3	106	80	100	72	75	83	72	44	88	0.48	-
4	111	80	103	73	77	77	69	42	78	0.53	-
5	108	81	103	71	79	87	70	57	74	0.50	-
6	107	80	101	72	76	86	66	49	80	0.49	-
7	112	84	103	73	75	81	60	36	74	0.53	-
8	116	82	105	72	80	86	70	45	70	0.57	-
9	114	83	102	73	83	82	74	39	81	0.56	-
10	115	82	103	74	81	85	74	40	69	0.56	-
11	117	79	102	72	80	80	70	36	90	0.57	-
12	115	82	99	74	78	84	69	46	77	0.54	-
13	110	80	100	73	78	82	73	42	87	0.50	-
14	110	81	103	74	81	81	74	41	86	0.52	-
15	110	82	104	75	81	84	77	48	76	0.46	-
16	109	83	104	75	81	81	77	45	84	0.47	-
17	109	82	105	75	82	85	77	49	83	0.49	-
18	110	82	105	76	82	83	80	48	90	0.51	-
19	108	83	104	75	81	87	77	49	110	0.50	-
20	114	84	106	76	80	82	74	38	93	0.52	-
21	116	83	107	76	82	87	77	47	111	0.55	-
22	119	82	107	75	80	89	74	46	107	0.56	-
23	118	82	106	76	81	86	77	50	90	0.55	-
24	111	83	104	77	80	84	76	43	129	0.51	-
25	115	83	106	74	83	87	74	44	59	0.53	-
26	118	80	101	72	84	90	77	43	92	0.58	-
27	122	82	105	75	85	85	74	40	100	0.62	-
28	117	86	106	75	86	85	78	46	84	0.57	-
29	113	84	106	77	85	89	84	64	80	0.54	-
30	107	85	104	75	84	89	81	55	74	0.47	-
Tot:										15.70	0.00
Ave:	113	82	104	74					88		

SAKRAND

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	82	105	74	81	87	84	57	104	0.51	-
2	108	82	103	75	81	89	80	60	97	0.46	-
3	108	83	106	76	85	89	84	60	83	0.49	-
4	108	82	104	75	81	87	77	59	94	0.49	-
5	108	81	101	74	84	91	84	61	80	0.49	-
6	110	82	104	75	81	86	84	61	124	0.53	-
7	106	83	102	74	81	87	80	62	149	0.50	-
8	105	83	101	74	82	86	80	59	131	0.47	-
9	105	80	101	70	81	83	84	58	140	0.47	-
10	105	84	101	75	80	82	80	53	144	0.50	-
11	104	84	101	76	80	85	74	54	136	0.50	-
12	106	82	103	75	79	88	70	51	110	0.52	-
13	110	84	107	78	83	90	77	60	80	0.54	-
14	108	83	107	78	82	87	77	55	79	0.51	-
15	110	82	106	80	82	87	92	69	71	0.48	0.03
16	100	86	100	80	83	87	81	57	53	0.37	-
17	106	84	101	76	84	84	84	46	71	0.47	-
18	113	84	105	76	83	84	81	56	156	0.51	-
19	108	85	105	77	82	83	80	58	77	0.43	-
20	104	83	101	77	84	87	84	62	74	0.44	-
21	106	85	103	78	83	86	88	92	63	0.42	-
22	105	84	104	78	87	86	92	96	38	0.41	0.05
23	105	81	101	78	82	82	92	68	49	0.36	0.54
24	100	78	97	76	78	83	83	63	81	0.31	-
25	100	81	102	75	82	89	88	64	72	0.38	-
26	104	83	105	76	81	88	80	62	56	0.38	-
27	106	82	106	75	81	90	84	51	62	0.39	-
28	104	82	101	75	80	81	80	62	128	0.37	-
29	106	80	100	74	80	87	80	62	74	0.40	-
30	105	82	105	74	80	85	74	58	81	0.40	-
31	104	82	103	73	79	85	80	58	102	0.39	-
Tot:										13.89	0.62
Ave:	106	83	103	76					90		

SAKRAND

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	81	105	73	81	85	84	61	91	0.39	-
2	105	82	105	75	80	84	80	60	92	0.41	-
3	102	82	102	75	81	87	84	66	95	0.38	-
4	103	81	101	75	79	84	91	60	70	0.34	-
5	103	80	100	74	79	83	83	63	83	0.31	-
6	102	81	102	76	80	83	80	60	98	0.37	-
7	101	79	100	72	77	90	76	65	130	0.36	-
8	105	82	104	75	80	80	87	62	73	0.40	-
9	95	81	88	75	79	90	80	65	50	0.25	-
10	105	82	103	76	81	82	84	65	67	0.31	-
11	101	80	102	76	78	81	79	62	92	0.30	-
12	100	80	101	74	79	80	83	65	103	0.35	-
13	101	79	101	72	77	80	83	57	99	0.37	-
14	102	80	103	75	79	84	87	63	79	0.40	-
15	100	79	102	75	78	85	83	66	61	0.35	-
16	99	80	102	75	78	84	83	60	77	0.37	-
17	102	80	102	73	76	79	79	56	98	0.40	-
18	98	80	94	72	77	81	79	57	118	0.35	-
19	102	80	100	72	78	79	79	59	107	0.42	-
20	100	79	100	72	77	77	79	54	93	0.41	-
21	100	79	99	72	79	81	83	55	84	0.40	-
22	101	77	101	71	77	83	83	60	83	0.40	-
23	100	80	100	75	78	71	79	41	30	0.38	-
24	100	78	102	74	77	83	83	65	14	0.37	-
25	98	75	100	72	74	83	83	65	63	0.35	-
26	97	77	100	72	76	82	79	60	67	0.33	-
27	100	78	101	71	77	82	83	58	77	0.36	-
28	102	78	101	71	78	84	87	60	86	0.40	-
29	101	78	101	72	77	82	83	53	43	0.40	-
30	104	77	103	70	76	83	83	63	96	0.43	-
31	101	76	103	72	76	85	83	66	108	0.37	-
Tot										11.43	0.00
Ave:	101	79	101	73					82		

SAKRAND

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	78	102	72	78	79	87	56	24	0.33	-
2	100	77	103	72	76	81	83	57	66	0.33	-
3	101	77	102	72	76	82	83	58	56	0.32	-
4	102	77	103	71	77	81	79	62	48	0.32	-
5	100	76	101	70	76	82	83	58	96	0.33	-
6	102	78	101	72	77	82	83	55	62	0.35	-
7	102	76	103	71	78	83	87	63	94	0.37	-
8	100	78	101	70	78	83	79	65	21	0.34	-
9	103	83	103	65	81	82	84	58	13	0.32	-
10	105	82	104	70	82	82	80	51	35	0.35	-
11	106	81	107	71	81	85	84	58	34	0.36	-
12	104	76	104	71	77	83	83	56	43	0.36	-
13	105	76	100	72	78	86	83	61	31	0.36	-
14	105	77	104	72	78	88	83	62	38	0.35	-
15	106	74	104	72	76	83	87	63	35	0.36	-
16	100	70	97	68	71	81	82	65	26	0.32	-
17	100	76	98	70	78	85	87	66	21	0.29	-
18	103	75	101	68	76	83	79	53	42	0.34	-
19	106	70	100	66	72	78	78	52	44	0.36	-
20	101	70	101	66	73	78	86	59	49	0.32	-
21	99	71	97	68	78	82	87	58	32	0.29	-
22	104	74	99	70	75	86	79	69	27	0.32	-
23	108	71	105	67	71	84	82	48	22	0.34	-
24	110	75	101	69	75	85	79	58	49	0.34	-
25	106	76	102	67	75	80	79	57	60	0.32	-
26	102	75	99	69	74	79	83	59	41	0.30	-
27	101	74	100	69	75	84	83	75	99	0.30	-
28	100	73	100	69	72	81	82	62	55	0.30	-
29	99	70	98	66	71	82	82	58	48	0.28	-
30	101	71	97	65	71	81	82	55	42	0.29	-
Tot:										9.86	0.00
Ave:	103	75	101	69					45		

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SAKRAND

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4	106	63	107	53	69	70	73	48	4		-
5	96	67	90	62	66	73	77	57	21	0.30	-
6	95	63	87	60	63	74	80	57	25	0.25	-
7	94	65	88	61	66	76	80	60	37	0.23	-
8	95	61	88	60	60	71	79	60	19	0.20	-
9	95	61	87	54	60	59	79	79	25	0.20	-
10	91	61	85	49	59	63	79	80	38	0.19	-
11	90	60	85	57	60	62	79	75	39	0.20	-
12	88	58	85	57	56	63	78	68	18	0.18	-
13	91	61	85	60	55	68	61	33	23	0.20	-
14	87	57	84	58	63	81	84	91	25	0.18	-
15	87	56	80	56	59	80	83	87	18	0.17	-
16	85	57	84	57	62	75	84	72	15	0.17	-
17	85	56	83	56	61	75	84	75	29	0.17	-
18	84	59	78	58	60	66	84	63	53	0.17	-
19	85	58	80	57	58	66	78	69	30	0.18	-
20	84	59	78	58	60	66	84	63	46	0.17	-
21	83	60	78	58	61	66	84	63	45	0.17	-
22	81	50	77	48	50	69	81	73	34	0.19	-
23	78	50	73	46	50	63	81	68	45	0.20	-
24	78	50	73	45	46	68	63	77	41	0.18	-
25	78	46	72	44	45	65	79	65	36	0.19	-
26	80	42	74	48	41	73	84	82	17	0.17	-
27	82	44	73	43	44	67	85	77	14	0.14	-
28	78	48	71	45	46	65	74	76	26	0.12	-
29	74	52	69	44	48	64	80	68	45	0.12	-
30	78	53	71	45	51	65	87	76	37	0.16	-
Tot:											
Ave:											

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	47	68	46	45	69	63	77	31	0.15	-
2	78	50	73	47	45	64	73	68	31	0.15	-
3	77	51	72	47	52	74	93	83	29	0.17	-
4	82	54	74	50	54	67	88	77	18	0.17	-
5	85	55	77	54	51	71	87	78	16	0.15	-
6	80	55	74	51	54	74	93	83	38	0.16	-
7	82	53	75	51	52	71	81	78	18	0.14	-
8	85	51	79	50	49	72	86	78	23	0.15	-
9	80	52	75	50	53	72	76	74	24	0.15	-
10	81	50			53	71	76	74	31	0.15	-
11											-
12	80	48	75	46	47	67	86	77	72 +	0.30 +	-
13	77	43	72	44	43	67	92	77	26	0.12	-
14	76	42	71	48	47	72	92	82	30	0.12	-
15	78	44	72	44	41	67	84	77	21	0.12	-
16	77	44	72	44	49	66	80	77	30	0.13	-
17	76	47	71	44	46	67	85	77	39	0.14	-
18	77	45	73	41	41	72	84	82	25	0.13	-
19	79	44	72	44	42	69	92	77	17	0.12	-
20	79	43	73	45	42	71	92	78	21	0.12	-
21	80	44	73	45	45	67	79	77	30	0.12	-
22	76	49	71	45	46	65	85	76	51	0.13	-
23	75	47	70	45	45	68	85	81	54	0.14	-
24	76	44	70	44	43	68	92	85	34	0.13	-
25	76	45	71	44	47	67	93	77	19	0.13	-
26	76	47	70	45	47	68	86	77	25	0.12	-
27	76	45	71	45	44	67	92	77	25	0.12	-
28	76	46	70	45	47	67	86	81	31	0.11	-
29	74	51	70	45	50	63	87	75	45	0.42	-
30	72	52	70	46	50	64	93	76	56	0.16	-
31	72	51	70	47	49	64	93	72	54	0.13	-

Tot:

Ave:

+ Two days observation.

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Location	Latitude 32°05', Longitude 72°40', in the premises of Agriculture Farm Sargodha.
Elevation	600 ± ft msl.
Period of record	January 1962 to date, station established by Surface Water Hydrology Project, WAPDA. Rainfall station of Pakistan Meteorological Services. Data available in that office.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Pyrheliometer.
Annual figures	Precipitation 21.34 inches Evaporation (Pan) 87.25 inches Absolute maximum air temperature 115 °F Absolute minimum air temperature 31 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record.(-) indicates no precipitation.

SARGODHA

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	42			37	45	64	59	240		0.08	-
2	67	32			32	44	90	55	268		0.09	-
3	67	32			32	37	90	43	268		0.10	-
4	67	31			32	41	90	49	254		0.11	-
5	67	31			31	35	90	44	254		0.10	-
6	67	32			36	45	82	59	141		0.11	-
7	65	38			38	41	83	49	113		0.09	-
8	67	37			36	45	75	55	212		0.07	-
9	70	40			41	43	92	47	282		0.08	-
10	71	41			41	32	92	32	254		0.09	-
11	71	38			32	45	61	55	170		0.10	-
12	67	41			47	51	86	87	71		0.08	0.03
13	65	42			42	48	92	75	170		0.06	0.02
14	62	36			37	46	83	64	240		0.07	-
15	65	37			36		75		226		0.08	-
16									240			
17									226			
18									212			
19									268			
20									254			
21									212			
22									296			
23									282			
24					45	49	85	51	212			
25	74	47			46	58	74	83	85		0.09	-
26	66	50			51	58	93	66	226		0.07	-
27	74	49			50	47	87	49	212		0.09	-
28	71	40			38	39	76	36	282		0.09	-
29	73	39			36	41	75	41	268		0.10	-
30	73	40			39	39	84	34	296		0.11	-
31	74	42			41	52	84	71	85		0.10	-
Tot:												
Ave:												

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Reidation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	63	44			44	46	92	56	282		0.07	0.07
2	65	40			39	43	84	47	353		0.09	-
3	67	37			32	38	66	38	311		0.11	-
4	70	38			41	40	92	40	339		0.12	-
5	69	38			37	39	83	36	325		0.11	-
6	72	36			34	39	82	33	311		0.11	-
7	73	36			35	37	82	37	325		0.12	-
8	73	38			37	40	83	46	311		0.11	-
9	73	40			39	45	76	46	353		0.12	-
10	70	41			41	45	77	39	268		0.10	-
11	73	43			45	43	84	58	325		0.11	-
12	75	45			52	49	73	87	141		0.13	-
13	69	52			52	52	95	88	99		0.11	0.09
14	65	53			50	57	93	78	141		0.08	0.51
15	66	50			53	56	93	94	282		0.05	-
16	70	51			50	58	93	60	85		0.08	0.15
17	62	49			49	54	100	42	325		0.04	0.07
18	70	49			46	44	93	41	353		0.06	-
19	70	44			45	43	92	41	381		0.10	-
20	71	43			45	44	92	35	381		0.12	-
21	76	46			48	53	85	60	198		0.13	-
22	69	47			50	51	93	41	395		0.10	-
23	78	49			51	59	87	74	155		0.13	-
24	70	51			52	58	87	66	282		0.09	-
25	77	52			52	56	93	52	339		0.11	-
26	78	51			50	57	93	88	99		0.12	0.02
27	66	50			50	55	87	69	438		0.09	0.18
28	75	48			48	49	86	51	466		0.14	-
Tot:											2.85	1.09
Ave:	68	45										

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	48			48	55	56	49	438		0.18	-
2	80	50			51	52	93	30	452		0.20	-
3	84	52			52	58	87	48	466		0.22	-
4	85	54			53	55	72	37	452		0.22	-
5	87	54			54	58	73	43	424		0.23	-
6	88	59			60	59	84	41	409		0.22	-
7	87	57			60	55	94	34	452		0.20	-
8	89	57			57	59	83	37	452		0.22	-
9	90	57			55	62	73	37	438		0.22	-
10	95	59			56	63	73	36	424		0.23	-
11	95	60			57	61	74	35	424		0.24	-
12	96	60			59	67	83	43	424		0.24	-
13	96	61			61	65	84	42	395		0.23	-
14	97	63			62	64	84	40	409		0.23	-
15	96	63			63	65	80	44	381		0.24	-
16	93	62			62	67	75	47	367		0.21	-
17	94	64			62	66	71	43	409		0.23	-
18	94	66			66	68	95	90	170		0.25	-
19	73	59			61	61	94	54	409		0.15	0.25
20	81	58			59	61	88	49			0.17	-
21	83	55			59	61	88	51	395		0.22	-
22	85	61			61	60	89	63	268		0.18	-
23	77	60			58	65	78	51	424		0.14	-
24	87	62			61	64	79	48	424		0.19	-
25	90	64			65	65	89	69	282		0.23	-
26	78	54			55	52	88	30	480		0.18	0.05
27	83	51			52	46	71	27	494		0.22	-
28	86	54			57	45	78	25	480		0.24	-
29	88	56			55	44	73	24	395		0.24	-
30	89	57			60	57	79	33	424		0.22	-
31	93	61			61	59	75	36	424		0.24	-
Tot:											6.63	0.30
Ave:	88	58										

April 1969

Date	TEMPERATURE °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	62			60	57	63	30	480		0.26	-
2	96	63			63	53	68	27	466		0.27	-
3	98	56			65	59	76	37	522		0.29	-
4	94	58			57	62	58	45	480		0.28	-
5	90	58			55	60	69	42	438		0.27	-
6	90	62			58	63	66	38	452		0.27	-
7	96	62			59	61	59	35	452		0.28	-
8	96	63			64	63	65	38	367		0.28	-
9	97	68			67	74	73	52	353		0.27	-
10	97	71			69	69	73	48	339		0.25	-
11	98	68			68	72	81	65	325		0.27	-
12	88	63			61	66	79	80	141		0.25	-
13	74	62			61	55	67	28	494		0.15	0.05
14	94	65			62	65	58	42	409		0.25	-
15	96	70			68	61	66	44	240		0.28	-
16	88	68			67	47	90	77	198		0.22	0.05
17	82	58			61	65	75	53	424		0.19	-
18	89	57			56	53	61	30	438		0.27	-
19	93	63			59	57	62	42	254		0.21	-
20	84	62			61	58	89	66	367		0.23	0.06
21	74	56			57	45	78	27	466		0.20	0.24
22	84	58			49	49	51	26	551		0.10	-
23	91	62			61	51	94	26	536		0.13	-
24	92	62			59	51	74	24	508		0.15	-
25	93	57			51	55	62	37	522		0.21	-
26	88	60			61	55	79	28	494		0.28	-
27	94	62			61	56	75	32	311		0.29	-
28	92	64			67	54	85	26	381		0.28	-
29	95	55			59	56	79	50	424		0.13	0.40
30	80	59			59	57	74	47	508		0.28	-
Tot:											7.09	0.80
Ave:	91	62										

SARGODHA

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	61			56	46	61	24	551		0.29	-
2	88	61			59	48	70	27	452		0.31	-
3	88	65			61	61	67	44	325		0.27	-
4	87	65			60	55	60	27	551		0.25	-
5	96	67			64	68	61	38	522		0.30	-
6	101	69			64	59	59	26	508		0.34	-
7	102	71			62	59	41	24	508		0.40	-
8	105	75			67	63	52	26	494		0.45	-
9	106	74			63	64	41	35	381		0.44	-
10	100	72			67	65	60	41	282		0 42	-
11	95	75			65	63	51	36	367		0.34	-
12	98	71			65	62	56	41	438		0.35	-
13	96	64			63	64	94	94	99		0.40	0.80
14	71	65			67	64	90	61	395		0.10	0.80
15	80	62			60	63	70	43	452		0.13	-
16	89	67			63	60	61	34	.66		0.23	-
17	94	67			68	61	70	32	452		0.30	-
18	98	74			78	63	91	14	424		0.33	-
19	96	67			66	60	63	42	466		0.30	0.10
20	90	66			61	54	54	23	466		0.33	-
21	100	70			65	56	51	22	480		0.35	-
22	104	81			61	60	40	6	480		0.42	-
23	106	77			54	70	32	38	466		0.46	-
24	103	71			56	51	32	16	480		0.45	-
25	113	71			59	52	36	17	466		0.48	-
26	109	79			66	62	43	23	494		0.48	-
27	110	73			62	61	37	20	551		0.47	-
28	115	75			64	56	40	20	522		0.53	-
29	109	82			63	62	41	23	522		0.50	-
30	108	81			64	85	48	27	452		0.49	-
31					68	71	55	34	395		0.50	-
Tot:											1.41	1.70
Ave:												

SARGODHA

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	109	81			69	77	50	36	438		0.48	-
2	110	81			63	62	36	23	480		0.51	-
3	110	80			71	61	56	24	409		0.52	-
4	108	75			69	66	50	26	551		0.50	-
5	110	80			60	52	34	17	522		0.50	-
6	106	73			66	54	47	16	536		0.45	-
7	112	75			66	55	43	19	536		0.46	-
8	110	78			64	56	40	17	494		0.53	-
9	112	76			66	61	43	20	536		0.45	-
10	114	80			72	68	47	29	522		0.47	-
11	111	87			64	64	40	26	381		0.55	-
12	107	82			65	69	42	30	438		0.45	-
13	110	82			69	70	40	29	395		0.44	-
14	109	86			69	65	50	24	409		0.46	-
15	111	81			66	68	43	27	466		0.45	-
16	110	80			70	66	48	27	508		0.46	-
17	110	83			70	68	48	27	466		0.50	-
18	111	83			74	69	48	26	466		0.47	-
19	113	87			75	71	50	34	466		0.52	-
20	107	83			75	68	50	29	438		0.49	-
21	107	86			70	70	41	29	494		0.57	-
22	111	80			74	69	55	28	480		0.54	-
23	111	80			60	65	42	28	452		0.60	-
24	105	81			64	70	40	31	438		0.55	-
25	109	84			75	72	50	38	452		0.50	-
26	112	80			72	79	54	41	409		0.47	-
27	110	83			75	75	60	38	438		0.45	-
28	108	76			76	69	75	39	466		0.56	0.15
29	100	79			76	66	63	29	480		0.40	-
30	106	78			65	69	44	37	466		0.42	-
Tot:											14.72	0.15
Ave:	109	81										

SARGODHA

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	74			70	71	81	45	311		0.45	-
2	103	74			75	72	69	37	438		0.26	-
3	105	81			77	68	63	22	494		0.38	-
4					71	74	39	35	452		0.44	-
5	109	85			77	72	58	29	480		0.42	-
6	112	90			73	83	50	44	494		0.45	-
7	111	89			77	75	56	35	551		0.44	-
8	111	86			76	77	60	40	452		0.44	-
9	107	85			80	80	70	50	424		0.45	-
10	103	82			74	78	68	46	353		0.43	-
11	103	81			72	82	71	65	426		0.40	-
12	98	78			82	78	77	46	494		0.38	-
13	105	80			77	80	69	50	452		0.45	0.05
14	108	84			78	76	64	53	409		0.39	-
15	98	80			77	75	76	49	381		0.37	0.05
16	100	80			78	76	73	41	536		0.35	-
17	105	84			78	78	64	44	494		0.40	-
18	106	85			78	89	67	42	452		0.45	-
19	102	88			90	89	79	62	424		0.42	-
20	108	88			87	95	92	86	452		0.44	-
21	101	86			86	88	92	82	184		0.40	-
22	98	81			79	79	87	59	325		0.32	-
23	97	82			79	79	67	64	381		0.25	-
24	100	75			73	77	95	83	254		0.34	1.16
25	83	74			78	79	91	76	339		0.18	0.19
26	88	77			79	79	87	67	494		0.17	-
27	93	80			81	80	87	62	508		0.22	-
28	96	72			75	80	91	76	593		0.20*	4.45
29	89	71			73	81	95	84	353		0.21*	3.91
30	89	73			76	80	79	65	536		0.20	-
31	96	79			82	81	88	59	522		0.25	-
Tot:											10.95	10.05
Ave:												

* Estimated evaporation

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	82			83	81	84	55	508		0.30	-
2	101	82			82	80	77	54	508		0.31	-
3	100	81			81	82	84	65	494		0.36	-
4	96	81			80	81	80	53	494		0.32	-
5	101	85			83	83	74	53	409		0.32	-
6	104	84			82	78	77	59	325		0.34	-
7	96	80			79	80	87	70	226		0.30	-
8	92	81			83	80	88	57	381		0.25	-
9	100	83			84	82	88	60	480		0.25	-
10	99	82			81	81	80	70	395		0.28	-
11	96	82			80	83	74	58	438		0.27	-
12	102	78			77	76	91	72	268		0.28	-
13	89	76			76	77	91	91			0.22	0.10
14	80	77			78	79	95	96			0.14	1.75
15	88	76			77	79	95	91	282		0.30	2.45
16	82	76			77	83	87	81	480		0.13	0.26
17	94	80			82	82	88	68	452		0.22	-
18	94	81			82	83	88	71	311		0.24	-
19	94	81			79	81	80	70	367		0.20	-
20	93	81			81	81	84	68	381		0.22	-
21	94	80			79	75	83	69	353		0.26	-
22	95	71			74	78	86	69			0.25	0.24
23	92	78			78	76	83	58	466		0.26	-
24	95	79			81	81	84	62	466		0.28	-
25	97	77			78	77	83	56	438		0.30	-
26	96	78			78	79	79	59	466		0.29	-
27	96	78			76	82	72	54	452		0.33	-
28	100	77			77	76	72	45	452		0.41	-
29	102	78			76	80	72	50	466		0.44	-
30	102	79			77	79	76	50	452		0.42	-
31	102	79			81	80	84	50	452		0.45	-
Tot:											8.92	4.80
Ave:	96	79										

SARGODHA

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	78			79	77	80	49	452		0.41	-
2	101	78			77	77	69	49	466		0.42	-
3	100	79			75	75	69	46	452		0.43	-
4	101	80			77	73	72	40	452		0.41	-
5	103	78			77	73	69	42	452		0.39	-
6	102	75			75	73	72	54	424		0.40	-
7	100	76			69	70	70	55	409		0.36	-
8	89	72			75	71	79	51	452		0.27	0.46
9	93	76			77	72	79	49	395		0.26	-
10	95	75			77	74	79	52	409		0.28	-
11	95	76			73	72	75	62	409		0.29	-
12	92	76			75	76	79	60	381		0.27	-
13	94	78			79	77	83	61	353		0.26	-
14	96	76			78	78	83	64	424		0.27	-
15	96	73			74	70	87	70	395		0.26	0.06
16	84	71			74	87	86	51	409		0.24	0.49
17	93	70			75	73	91	48	409		0.22	-
18	97	71			72	67	96	41	325		0.23	-
19	97	70			71	64	70	36	381		0.25	-
20	97	71			73	73	78	52	353		0.27	-
21	94	74			73	69	75	42	381		0.23	-
22	97	73			74	71	71	45	438		0.25	-
23	97	74			72	73	71	50	424		0.27	-
24	96	71			70	74	74	52	395		0.27	-
25	96	74			75	74	79	69	381		0.25	-
26	94	66				73		52			0.26	-
27	95	72			71	75	78	55			0.25	-
28	96	72			72	72	74	47			0.24	-
29	96	72			73	70	75	47	409		0.24	-
30	98	71			68	73	70	52	409		0.23	-
Tot:											8.68	1.07
Ave:	96	74										

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	70			70	68	74	50	395		0.24	-
2	93	69			65	67	76	54	367		0.25	-
3	89	67			67	68	77	52			0.25	-
4	93	72			69	72	73	54			0.26	-
5	94	70			70	71	74	49			0.25	-
6	96	70			70	71	74	51	353		0.26	-
7	96	68			71	71	78	49	325		0.25	-
8	96	69			68		78		339		0.26	-
9	94	72			68	83	77	81	253		0.24	-
10	94	70			69	68	77	45	339		0.24	-
11	94	71			70	64	81	44	339		0.23	-
12	92	72			64	65	68	46	353		0.24	-
13	92	72			64	70	72	55	339		0.24	-
14	94	71			61	63	63	46	353		0.22	-
15	93	64			62	68	75	55			0.35	0.90
16	91	66			60	71	79	64	353		0.19	0.49
17	84	65			65	69	89	58	367		0.14	-
18	86	63			64	71	85	61	353		0.16	-
19	89	63			64	68	85	55	353		0.15	-
20	90	68			64	72	76	59	353		0.15	-
21	90	67			63	73	75	59	367		0.18	-
22	93	67			64	71	76	58	353		0.19	-
23	90	66			64	73	76	65	339		0.18	-
24	89	65			67	73	81	62	353		0.18	-
25	91	66			64	74	76	60	367		0.17	-
26	92	65			66	69	77	58	353		0.16	-
27	92	65			66	69	80	60	367		0.19	-
28	88	66			63	69	84	55	268		0.18	-
29	89	66			62	68	75	55	339		0.15	-
30	90	66			60	68	70	55	325		0.18	-
31	89	62			59	68	79	52	339		0.17	-
Tot:											6.50	1.39
Ave:	92	67										

SARGODHA

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	92	63			61	65	79	53	339		0.20	-
2	91	62			62	68	84	58	325		0.20	-
3	90	62			63	69	84	58	311		0.19	-
4	92	63			63	70	84	61	254		0.15	-
5	92	62			63	70	89	67	254		0.15	-
6	88	62			59	69	79	60	282		0.15	-
7	90	58			59	68	79	58			0.13	-
8	90	58			63	63	89	53			0.17	-
9	90	60			62	65	94	56			0.16	-
10	90	58			59	69	89	73			0.14	-
11	82	60			61	65	89	62			0.09	-
12	86	60			59	63	89	64			0.12	-
13	82	62			59	61	88	60			0.11	-
14	82	54			56	59	82	57			0.12	-
15	84	52			50	56	81	52			0.14	-
16	84	52			52	60	81	63			0.14	-
17	82	50			52	59	93	59			0.11	-
18	81	52			50	57	87	55			0.13	-
19	83	54			49	59	70	62			0.12	-
20	78	52			49	60	86	70			0.10	-
21	78	52			46	47	79	38			0.11	-
22	77	40			36	48	58	47			0.15	-
23	80	38			39	50	84	48			0.12	-
24	80	40			38	48	76	47			0.10	-
25	89	40			39	51	77	49			0.12	-
26	81	39			38	44	76	42			0.12	-
27	80	38			38	51	83	56			0.11	-
28	79	40			37	49	76	51			0.10	-
29	78	38			38	50	76	55			0.10	-
30	76	39			39	45	84	46			0.12	-
Tot:											3.97	0.00
Ave:	84	52										

SARGADHA

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	38			41	47	92	47			0.10	-
2	75	38			35	45	74	46			0.09	-
3	77	38			38	52	83	50			0.10	-
4	81	42			39	50	77	55			0.12	-
5	74	45			39	54	70	60			0.12	-
6	75	42			39	49	84	51			0.08	-
7	80	44			40	54	77	54			0.08	-
8	80	44			41	53	84	56			0.10	-
9	77	45			41	52	77	53			0.08	-
10	77	45			43	51	85	52			0.07	-
11												-
12												-
13	79	39			37	44	83	42			0.27+	-
14	77	40			38	54	76	57			0.10	-
15	80	40			38	46	83	43			0.11	-
16	76	38			36	44	82	42			0.11	-
17	74	40			37	47	83	44			0.10	-
18	77	39			37	50	83	48			0.10	-
19	77	39			36	49	82	51			0.09	-
20	77	38			36	48	82	47			0.08	-
21	77	40			37	48	83	50			0.11	-
22	72	39			36	51	82	59			0.09	-
23	73	38			35	45	82	46			0.08	-
24	72	38			35	45	82	46			0.07	-
25	72	38			37	53	83	60			0.07	-
26	72	39			36	51	82	59			0.08	-
27	73	39			37	51	83	59			0.07	-
28	71	39			37	48	83	53			0.07	-
29	70	40			37	49	83	58			0.07	-
30	69	42			41	47	84	49			0.08	-
31	73	43			39	45	84	46			0.08	-
Tot:											2.76	0.00
Ave:												

\+ Two days observation.

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Location	Latitude 32°30', Longitude 74°32'.
Elevation	830 ± ft msl.
Period of record	Recording rain gauge since 1964; other instruments installed in March 1969; station established by Surface Water Hydrology Project, WAPDA.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers.
Annual figures	Data incomplete.
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours. Blank space indicates no record. (-) indicates no precipitation.

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April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1					57	59	69	36			-
2					52	60	53	34			-
3					50	51	43	27			0.15
4					53	44	56	29			-
5					43	61	32	44			-
6	88	63			57	57	69	33			-
7	93	64			54	58	51	35			-
8	94	66			55	58	49	32			-
9	94	66			55	63	49	38			-
10	97	70			57	59	53	33			-
11	96	72			40	67	43	52			-
12	89	68			59	63	53	64			-
13	86	63			59	55	66	30			-
14	90	64			56	60	52	34			-
15	92	69			54	59	41	44			-
16	86	70			54	57	54	78			0.09
17	71	59			56	42	65	22			0.65
18	86	61			52	46	64	24			-
19	86	66			52	51	50	35			-
20	82	65			56	56	73	65			0.01
21	68	59			53	52	56	44			0.08
22	79	55			51	43	59	25			-
23	84	56			46	38	41	18			-
24	88	62			41	36	31	16			-
25	90	60			47	35	37	14			-
26	93	70			47	41	73	17			-
27	96	68			50	46	77	24			-
28	94	69			60	48	70	28			0.01
29	85	58			55	49	77	58			0.30
30	65	56			57	50	78	36			0.28
Tot:											1.57
Ave:											

SIALKOT

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches.
1	80	58			45	53	46	34			-
2	86	58			56	48	65	28			-
3	86	64			57	49	62	30			-
4	85	65			57	51	58	27			-
5	90	70			55	47	43	20			-
6	96	72			56	52	44	23			-
7	98	74			62	51	50	19			-
8	102	76			62	55	50	24			-
9	100	76			63	59	47	31			-
10	98	74			60	54	48	26			-
11	100	75			61	55	49	28			-
12	94	66			60	59	24	40			0.55
13	88	64			59	58	66	78			0.07
14	78	62			59	61	74	57			0.27
15	84	62			56	50	73	31			-
16	86	63			59	56	66	32			-
17	90	66			54	50	41	23			-
18	96	74			61	50	57	25			-
19	92	68			59	54	66	43			0.01
20	80	64			62	51	58	21			-
21	98	70			60	63	46	33			-
22	100	72			61	53	49	20			-
23	103	74			56	51	40	19			-
24	102	67			58	39	43	11			-
25	104	68			59	45	41	14			-
26	104	70			59	46	40	14			-
27	106	72			64	51	44	16			-
28	108	69			58	43	35	12			-
29	108	73			68	55	55	18			-
30	110	74			68	59	50	20			-
31	110	78			75	72	57	37			-
Tot:											0.90
Ave:	96	69									

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	106	79			75	71	60	32			-
2	109	78			76	57	63	19			-
3	109	85			81	59	74	24			-
4	104	79			62	52	41	17			-
5	108	80			49	52	24	19			-
6	103	72			57	42	34	12			-
7	106	73			50	47	25	13			-
8	108	81			51	52	26	16			-
9	110	75			53	44	30	12			-
10	110	80			51	39	26	9			-
11	112	86			54	54	26	20			-
12	104	80			67	53	47	18			-
13	105	80			61	49	42	15			-
14	106	81			75	71	60	32			-
15	108	73			68	55	55	19			-
16	109	84			81	55	74	20			-
17	106	75			55	47	30	13			-
18	108	80			50	57	25	19			-
19	109	84			82	43	77	12			-
20	108	80			50	52	25	19			-
21	103	74			57	55	37	20			-
22	106	80			75	69	63	30			-
23	107	73			68	62	55	29			-
24	100	77			66	56	51	20			-
25	108	80			63	63	39	24			-
26	108	85			77	64	53	26			-
27	109	84			65	65	41	28			-
28	106	74			67		63				0.09
29	100	80			71	64	61	55			-
30	100	70			65	64	76	40			0.32
Tot:											0.41
Ave:	107	79									

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	72			65	60	46	29			-
2	100	77			67	62	52	27			-
3	104	81			66	67	47	32			-
4	104	84			66	70	51	35			-
5	105	82			73	68	57	31			-
6	106	86			73	75	54	41			-
7	107	85			75	74	60	37			-
8	106	72			72	77	71	56			0.33
9	98	76			73	73	71	48			-
10	96	82			77	73	72	40			-
11	104	84			76	75	63	53			-
12	96	80			75	72	69	40			0.11
13	102	84			76	75	63	41			-
14	104	76			75	74	95	55			-
15	96	75			74	73	78	57			0.40
16	92	78			71	73	61	48			-
17	98	80			79	77	80	51			0.09
18	99	83			77	75	76	46			-
19	100	84			78	76	73	47			-
20	101	82			76	77	79	67			-
21	92	80			77	77	87	87			0.07
22	82	79			77	75	83	60			0.07
23	92	78			78	77	95	69			0.44
24	89	74			73	73	91	68			0.35
25	85	74			77	76	95	87			1.23
26	82	76			76	77	83	79			1.89
27	86	77			75	76	83	60			0.04
28	93	79			77	72	91	65			0.23
29	86	78			75	76	75	66			-
30	90	77			77	76	79	60			-
31	94	80			78	74	73	48			-
Tot:											5.25
Ave:	96	79									

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	83			79	77	73	49			-
2	100	83			79	79	76	54			-
3	98	80			73	70	75	41			-
4	98	81			76	77	72	51			-
5	99	81			76	80	79	65			-
6	96	78			77	76	91	83			-
7	82	76			76	77	87	67			0.07
8	90	80			77	78	87	73			-
9	88	76			75	80	91	87			0.50
10	84	76			76	79	83	76			0.42
11	88	81			78	82	83	68			-
12	94	73			73	78	95	87			2.49
13	82	74			78	77	83	79			0.14
14	90	79			79	78	87	64			-
15	92	80			77	77	79	83			-
16	84	77			76	77	79	67			-
17	90	78			78	78	91	83			0.20
18	89	78			78	80	87	74			-
19	90	79			78	78	87	67			-
20	92	76			75	71	79	81			-
21	94	75			72	78	78	69			0.50
22	90	70			71	70	78	48			0.83
23	92	76			71	74	74	52			-
24	94	77			77	67	83	63			-
25	91	73			67	77	77	63			-
26	92	72			71	76	74	60			0.05
27	92	78			76	76	75	51			-
28	97	80			77	75	76	49			-
29	100	80			80	74	80	48			-
30	100	79			77	75	72	49			-
31	100	81			78	72	73	45			-
Tot:											5.20
Ave:	92	78									

SIALKOT

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	80			76	70	75	43			-
2	98	79			76	74	72	46			-
3	100	78			74	77	68	49			-
4	100	78			76	75	72	49			-
5	98	77			78	70	79	67			-
6	100	75			68	70	58	55			-
7	98	66			68	74	90	78			2.06
8	82	71			71	74	82	60			0.05
9	91	74			73	70	82	53			-
10	90	74			73	73	78	54			-
11	93	74			74	70	86	90			-
12	80	71			74	78	86	69			1.69
13	90	78			77	77	83	72			-
14	88	73			74	76	78	63			-
15	92	74			73	67	78	70			-
16	82	70			71	71	82	58			0.24
17	88	67			83	70	88	53			-
18	90	71			72	71	82	54			-
19	92	73			73	71	78	56			-
20	92	72			68	71	66	54			-
21	92	73			72	72	74	54			-
22	93	73			74	72	78	54			-
23	93	72			70	73	81	57			-
24	92	68			65	74	72	65			0.11
25	92	72			69	73	70	40			-
26	90	67			70	65	86	34			-
27	92	68			59	60	60	34			-
28	94	72			69	71	70	54			-
29	94	72			70	72	74	54			-
30	94	74			72	65	78	42			-
Tot:											4.15
Ave:	92	73									

SIALKOT

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	72			68	66	66	47			-
2	92	65			61	64	84	53			0.82
3	83	66			63	71	72	58			-
4	89	67			64	72	72	59			-
5	90	67			64	69	61	55			-
6	92	66			65	71	72	54			-
7	92	66			65	72	72	59			-
8	93	68			67	69	73	50			-
9	92	68			67	67	77	49			-
10	92	72			67	71	73	61			-
11	91	68			69	71	86	58			-
12	92	63			66	63	77	55			-
13	90	64			61	63	67	46			-
14	91	68			57	57	55	42			-
15	88	66			54	65	57	76			-
16	74	62			60	64	79	55			0.35
17	83	59			57	56	74	75			-
18	86	57			56	60	73	46			-
19	85	58			59	63	79	50			-
20	86	61			60	58	79	43			-
21	89	58			56	63	73	50			-
22	90	61			58	61	66	44			-
23	91	64			59	64	66	53			-
24	87	63			59	61	66	47			-
25	88	71			61	65	75	51			-
26	90	63			62	68	75	55			-
27	90	64			63	64	75	53			-
28	88	70			50	62	59	50			-
29	84	67			58	65	46	51			-
30	91	61			57	57	66	42			-
31	87	57			57	61	78	47			-
Tot:											1.17
Ave:	89	65									

SIALKOT

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	57			55	63	69	47			-
2	90	58			57	64	74	53			-
3	91	60			57	58	74	43			-
4	88	56			58	62	78	52			-
5	87	58			59	65	83	56			-
6	87	58			56	56	78	44			-
7	84	55			57	59	88	46			-
8	85	55			58	64	83	55			-
9	88	56			59	64	88	53			-
10	86	57			57	63	78	61			-
11	84	60			59	58	79	50			-
12	86	58			56	56	78	46			-
13	84	55			52	53	81	47			-
14	81	50			51	54	81	48			-
15	79	47			50	53	87	47			-
16	79	46			48	51	80	47			-
17	78	47			45	42	68	80			-
18	78	44			43	51	78	49			-
19	78	49			45	55	63	51			-
20	81	52			48	51	75	43			-
21	79	53			47	42	74	36			-
22	76	42			39	40	65	35			-
23	77	42			38	44	70	42			-
24	78	39			40	53	77	56			-
25	77	40			39	47	65	44			-
26	77	39			40	51	77	56			-
27	77	38			41	50	84	55			-
28	75	37			38	44	83	45			-
29	74	37			38	51	76	56			-
30	75	37			37	51	83	52			-
Tot:											0.00
Ave:	82	49									

SIALKOT

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	74	38			40	48	91	53			-
2	72	38			38	53	91	60			-
3	73	36			40	51	77	59			-
4	72	40			39	48	84	53			-
5	73	42			41	48	84	50			-
6	73	43			40	50	84	48			-
7	76	39			38	48	83	50			-
8	75	41			40	51	77	59			-
9	74	46			43	53	78	60			-
10	77	46			43	49	78	51			-
11	77	42			41	43	77	39			-
12	76	39			39	43	84	43			-
13	73	39			39	40	84	37			-
14	74	37			37	44	83	42			-
15	72	36			39	44	84	45			-
16	73	36			38	48	83	53			-
17	72	36			35	49	82	51			-
18	73	38			35	43	82	39			-
19	74	38			36	50	82	55			-
20	73	37			34	45	82	52			-
21	73	36			37	48	91	53			-
22	73	36			35	44	90	48			-
23	71	34			32	45	81	52			-
24	68	33			30	44	80	51			-
25	69	33			32	44	81	48			-
26	67	35			35	46	90	53			-
27	68	35			34	45	82	52			-
28	69	35			34	48	82	53			-
29	72	37			35	44	90	45			-
30	71	36			34	44	82	48			-
31	70	35			35	45	90	49			-
Tot:											0.00
Ave:	72	38									

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Location Latitude 29°33', Longitude 67°53', nearly 3 miles from Sibi on the left bank of Nari Canal.

Elevation 440 ± ft msl.

Period of record The station was established by the Project Director, Project Planning, Southern Zone (old L.I.P) on 13.12.64 and taken over by Surface Water Hydrology Project in December 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometers.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.
Pyrheliometer.

Annual figures

Precipitation	4.17 inches
Evaporation (Pan)	156.29 inches
Absolute maximum air temperature	120 °F
Absolute minimum air temperature	31 °F

Remarks Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are observed at 0800 hours and stand for 24 hour period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry bulb temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langleys per day from midnight to midnight on the date shown. Blank space indicates no record.(-)indicates no precipitation.

SIBI

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	39	68	38	31	21	45	21		37	0.18	-
2	69	38	66	42	35	19	74	20		104	0.17	-
3	68	39	65	40	36	28	82	32		16	0.18	-
4	69	40	66	41	41	30	92	33		18	0.17	-
5	69	37	67	36	14	37	19	43		50	0.17	-
6	69	35	65	37	12	30	19	30		61	0.18	-
7	70	45	67	44	29	37	41	43		46	0.19	-
8	74	45	70	43	36	41	51	53		46	0.18	-
9	69	42	64	41	33	44	47	55		31	0.17	-
10	70	41	65	40	27	42	40	50		48	0.18	-
11	73	47	69	47	32	40	40	54		81	0.17	-
12	68	44	64	41	33	38	56	44		42	0.18	-
13	70	48	66	44	29	42	41	50		70	0.17	-
14	70	49	68	45	23	38	31	41		7	0.18	-
15	68	37	67	35	32	37	43	40	350	140	0.17	-
16	70	39	70	36	22	38	47	41	338	19	0.18	-
17	72	40	67	39	27	37	57	40	374	22	0.17	-
18	73	40	70	38	1	35	15	39	386	27	0.18	-
19	74	42	71	40	30	33	59	38	386	28	0.17	-
20	75	41	72	39	32	37	61	43	325	34	0.16	-
21	74	40	71	40	34	38	62	44	338	30	0.17	-
22	75	41	72	40	38	41	76	46	350	18	0.18	-
23	76	44	74	43	39	45	77	52	325	28	0.19	-
24	75	46	73	45	41	46	71	56	350	29	0.19	-
25	77	50	74	48	41	43	66	47	145	17	0.19	-
26	74	49	73	48	36	46	58	74	301	8	0.19	-
27	73	50	69	52	30	47	39	69	157	252	0.20	-
28	72	46	70	42	40	49	77	75	181	62	0.21	-
29	74	43	70	40	31	47	60	61	169	20	0.20	-
30	72	42	70	42	32	49	61	61	157	15	0.19	-
31	73	43	71	41	34	47	62	61	121	169	0.18	-
Tot:											5.59	0.00
Ave:	72	43	68	42						51		

SIBI

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	41	70	41	32	50	61	62	157	224	0.19	–
2	73	39	72	38	20	42	37	72	181	116	0.19	–
3	74	40	73	39	25	41	46	61	145	45	0.20	–
4	73	41	72	40	31	43	60	63	181	11	0.21	–
5	74	42	72	41	32	48	61	70	217	53	0.22	–
6	73	43	72	40	34	41	62	49	193	33	0.21	–
7	72	44	71	43	32	44	61	51	253	118	0.20	–
8	72	43	73	42	34	42	62	50	193	182	0.21	–
9	73	44	71	39	32	45	61	55	217	93	0.21	–
10	74	45	71	42	36	48	58	65	157	29	0.20	–
11	74	44	70	42	28	49	48	66	181	14	0.22	–
12	73	45	71	42	30	50	49	62	72	42	0.20	–
13	72	44	71	44	24	49	37	61	181	117	0.35	0.22
14	70	43	70	42	34	52	68	67	217	106	0.19	–
15	69	44	71	44	44	51	85	62	205	43	0.21	–
16	70	45	70	44	36	46	69	56	72	74	0.12	0.24
17	72	46	74	47	37	52	64	71	193	59	0.15	–
18	73	47	75	46	36	51	58	66	217	66	0.19	–
19	74	48	76	46	37	49	64	66	229	67	0.20	–
20	78	48	78	45	39	59	70	36	217	66	0.20	–
21	82	48	82	46	43	45	73	55	193	52	0.20	–
22	79	49	75	47	38	52	60	67	217	31	0.19	–
23	72	48	69	45	31	44	50	55	217	41	0.20	–
24	74	49	73	48	27	45	36	55	217	63	0.22	–
25	75	51	74	49	32	49	43	61	133	55	0.24	–
26	80	54	80	54	41	52	53	71	84	81	0.28	0.11
27									229		0.16 *	0.25
28									265		0.25 *	–
Tot:											5.81	0.82
Ave:												

* Estimated evaporation.

SIBI

March 1969

Date	Temperatures °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M.	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langlev's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	81	54	80	53	47	48	69	65	277	119 +	0.24 *	-
2	82	55	80	54	46	56	64	88	265	81	0.25	-
3	83	53	81	50	47	54	69	77	301	92	0.24	-
4	84	55	79	52	43	49	58	66	289	9	0.23	-
5	85	57	84	55	40	53	48	72	205	18	0.25	-
6	87	58	86	54	48	57	65	83	313	81	0.26	-
7	88	57	87	56	52	55	81	88	277	53	0.28	-
8	89	58	87	59	46	56	56	82	265	111	0.29	-
9	88	60	88	60	44	50	45	58	241	58	0.29	-
10	90	64	90	59					265	58	0.28	-
11	94	66	92	65					253	55	0.30	-
12	97	66	97	65					241	55	0.32	-
13	100	67	95	67					350	56	0.30	-
14	100	66	92	60					410	62	0.31	-
15	100	65	95	62					398	11	0.30	-
16	100	68	92	59					241	119	0.30	-
17	98	67	91	61					350	56	0.29	-
18	99	70	90	61					241	91	0.30	-
19	93	67	87	62					374	89	0.31	-
20	90	62	89	59					386	89	0.31	-
21	92	64	89	57					277	96	0.30	-
22	90	72	88	64						69	0.29	-
23	94	72	93	65	55	41	51	75		80	0.32	-
24	90	69	89	70	61	61	67	60	422	97	0.32	-
25	90	69	89	67	60	65	67	76	386	129	0.43	0.23
26	86	69	73	57	54	53	16	72	470	345	0.25	-
27	89	69	86	52		49		51	446	89	0.29	-
28	86	63	85	55		57		83	398	64	0.32	-
29	87	64	87	60	40	49	36	51	338	87	0.33	-
30	89	62	88	62	49	53	54	60	325	42	0.35	-
31	93	66	90	59	43	48	39	47	374	65	0.38	-
Tot:											9.22	0.23
Ave:	91	64	88	59								

\+ Three days observation.
* Estimated evaporation.

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	69	93	60	42	43	36	37	362	68	0.39	-
2	100	69	93	62		48		42	350	67	0.37	-
3	101	70	98	69	49	54	45	51	410	65	0.38	-
4	102	68	95	60	48	52	40	44	362	23	0.37	-
5	102	70	97	62	55	57	51	53	410	83	0.34	-
6	98	70	92	62	50	54	46	48	362	87	0.30	-
7	99	72	93	67		53		45	386	55	0.31	-
8	100	75	95	68		61		57	374	60	0.30	-
9	102	78	95	69		73		62	374	68	0.32	-
10	101	82	96	68	60	63	42	46	289	123	0.33	-
11	102	80	96	72	63	68	53	55	301	148	0.38	-
12	100	78	92	69	68	68	70	58	301	92	0.40	-
13	99	72	93	68	64	68	68	66	241	123	0.39	-
14	96	75	89	67	63	64	58	59	265	45	0.40	-
15	96	75	90	67	57	68	53	63	253	164	0.44	-
16	93	72	86	69	47	62	37	50	530	235	0.42	-
17	90	69	80	55	45	74	40	71	470	254	0.43	-
18	91	69	81	56	37	71	29	67	422	110	0.45	-
19	94	66	88	56	66	70	69	67	325	52	0.44	-
20	95	77	89	62	54	68	41	60	506	52	0.44	-
21	93	72	89	67	44	67	35	60	446	290	0.47	-
22	92	60	90	54	40	64	35	55	446	87	0.45	-
23	94	62	90	56	39	64	28	59	482	76	0.44	-
24	99	62	92	56	48	65	42	56	434	110	0.44	-
25	100	69	95	62	50	66	39	56	470	70	0.45	-
26	102	70	94	62	60	61	67	47	458	84	0.50	-
27	110	72	84	64	42	75	27	34	350	89	0.49	-
28	102	79	91	62	48	59	27	72	506	220	0.54	-
29	100	82	89	63	55	61	37	76	542	395	0.57	-
30	96	65	81	55	41	59	25	37	446	373	0.59	-
Tot:											12.54	0.00
Ave :	98	72	91	63						126		

SIBI

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	69	82	57	49	59	34	72	458	25	0.57	-
2	99	72	94	55	56	68	46	55	338	240	0.49	-
3	95	78	88	63	61	68	51	58	277	118	0.49	-
4	96	79	87	68	62	71	52	56	301	42	0.50	-
5	100	75	96	68	63	70	58	55	410	125	0.49	-
6	106	79	100	65	63	69	53	55	458	80	0.52	-
7	107	82	99	66	62	73	50	59	338	98	0.50	-
8	110	82	99	68	65	74	53	60	338	94	0.49	-
9	110	84	100	70	65	74	49	57	386	103	0.52	-
10	109	80	98	72	71	75	64	63	313	136	0.50	-
11	108	90	89	72		76		72	410	67	0.53	-
12	105	85	87	70	70	75	61	69	458	215	0.52	-
13	102	82	96	62	63	75	50	63	386	322	0.50	-
14	98	79	89	62	62	75	52	65	361	191	0.47	-
15	93	72	85	63	57	78	53	69	410	132	0.46	-
16	92	72	90	67	61	76	51	66	422	76	0.47	-
17	96	74	92	67	56	75	40	65	458	72	0.48	-
18	102	82	96	69	60	65	38	38	482	83	0.47	-
19	105	85	92	65	57	67	33	40	482	244	0.48	-
20	105	81	94	66	61	72	40	43	458	162	0.51	-
21	104	79	94	69	61	69	40	37	410	36	0.53	-
22	106	83	96	69	62	73	37	40	482	131	0.54	-
23	110	88	92	70	59	77	33	24	446	299	0.55	-
24	109	82	99	69	53	81	27	55	422	135	0.56	-
25									458			
26	109	80	99	69	67	82	47	51	458	399 *	1.11	-
27	113	81	102	69	68	64	55	26	482	40	0.58	-
28	117	83	103	66	59	64	40	25	494	9	0.59	-
29	118	82	103	65	58	65	35	24	482	129	0.62	-
30	118	82	102	66	63	61	46	19	506	70	0.63	-
31	119	86	105	71	67	66	47	22	470	88	0.59	-
Tot:											16.26	0.00
Ave:										128		

* Two days observation.

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	119	85	106	72	71	63	56	20	434	64	0.60	-
2	120	82	103	70	69	61	58	19	229	207	0.61	-
3	114	86	91	67	60	76	34	37	542	219	0.54	-
4	110	85	98	63	52	68	29	35	470	206	0.52	-
5	110	82	101	62	60	65	42	30	445	89	0.58	-
6	111	82	102	66	71	71	56	34	542	97	0.60	-
7	112	82	102	67	53	67	27	28	530	81	0.62	-
8	113	83	104	69	59	68	33	29	494	133	0.63	-
9	114	84	101	77	60	69	34	28		61	0.65	-
10	115	80	101	77	37	74	13	31		116	0.67	-
11	114	90	98	67	56	72	29	29		212	0.70	-
12	113	84	102	66	65	77	44	37		93	0.69	-
13												
14	109	88	100	76	64	76	33	41		252	1.43 +	-
15	109	89	100	75	71	80	54	43		117	0.68	-
16	110	88	102	76	68	70	45	29		149	0.72	-
17	110	89	103	77	71	74	49	33		150	0.69	-
18	111	92	103	77	74	76	52	33		136	0.71	-
19	114	90	105	79	77	73	58	29		125	0.75	-
20	119	86	107	73	77	74	58	27		97	0.79	-
21	119	92	105	75	63	77	33	28		163	0.85	-
22	120	90	102	73	55	73	28	25		261	0.90	-
23	119	86	103	68	65	77	38	31		144	0.87	-
24	117	92	103	73	72	78	43	39		154	0.91	-
25	110	92	102	81	75	73	46	30		114	0.82	-
26	112	93	103	82	79	77	54	35		24	0.85	-
27	116	92	105	74	77	71	58	26		267	0.87	-
28	115	91	104	79	81	69	65	26		130	0.84	-
29	112	92	99	79	74	76	52	38		228	0.87	-
30	108	94	100	79	82	75	62	36		154	0.82	-
Tot:											21.78	0.00
Ave:										141		

\+ Two days observation.

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July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	110	90	103	81	81	79	70	39		165	0.85	-
2	110	91	103	79	81	76	68	38		158	0.84	-
3	108	92	103	76	77	72	58	33		128	0.78	-
4	111	92	105	80	77	77	61	37		143	0.75	-
5	112	92	105	81	80	78	65	36		154	0.82	-
6	112	92	105	81	77	78	58	36		143	0.85	-
7	112	91	105	82	74	75	55	35		155	0.87	-
8	110	90	105	81	75	77	57	37		133	0.84	-
9	110	90	104	81	75	78	60	39		166	0.85	-
10	110	90	104	79	69	76	48	37		184	0.80	-
11	110	90	104	83	78	74	67	31		160	0.81	-
12	113	92	105	85	74	77	55	37		164	0.85	-
13	109	89	103	79	72	78	47	41		190	0.86	-
14	108	91	102	79	74	79	52	39		178	0.85	-
15	114	82	105	78	76	73	66	44		169	0.87	0.07
16	107	90	102	80	77	70	58	31		121	0.82	-
17	110	92	104	84	80	79	65	39		152	0.82	-
18	111	92	105	83	74	81	55	45		142	0.85	-
19	108	92	104	83	74	79	55	41		154	0.82	-
20	110	93	103	82	77	78	58	39		139	0.78	-
21	109	92	104	81	77	80	61	43		130	0.76	-
22	108	90	104	80	75	78	57	39		120	0.73	-
23	109	89	108	80	82	81	77	49		123 *	0.75 *	0.35
24	107	85	107	83	81	81	77	53		88	0.86	0.10
25	102	78	102	76	78	79	79	54		119	0.54 *	2.60
26	100	83	99	79	77	76	69	47		68	0.42	-
27	100	92	100	85	76	81	60	57		123	0.42	-
28	104	91	103	83	79	78	67	49		122	0.61	-
29	103	90	102	72	75	79	60	50		210	0.70	-
30	104	90	102	81	77	83	61	53		78	0.72	-
31	106	90	103	82	73	80	54	50		136	0.73	-
Tot:											23.82	3.12
Ave:	108	90	104	81						142		

* Estimated evaporation.

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	91	104	79	73	84	52	52		174	0.72	-
2	107	92	105	80	75	83	55	48		112	0.74	-
3	108	91	106	80	76	84	60	50		110	0.74	-
4	109	90	107	79	74	82	55	51		125	0.75	-
5	107	90	104	79	73	80	54	50		129	0.77	-
6	104	88	102	79	73	77	59	47		175	0.71	-
7	103	88	102	78	72	71	59	62		152	0.68	-
8	104	88	103	80	75	72	63	62		132	0.65	-
9	104	89	103	81	75	75	60	41		157	0.65	-
10	104	91	105	82	74	71	52	34		110	0.61	-
11	106	90	105	83	74	74	57	39		160	0.65	-
12	104	87	103	81	76	83	66	56		166	0.70	-
13	103	89	102	80	76	83	63	63		173	0.68	-
14	100	86	98	80	77	84	69	60		156	0.65	-
15	102	88	100	78	82	84	69	58		144	0.62	-
16	104	89	103	82	77	88	58	62		129	0.60	-
17	106	89	103	81	79	84	70	54		120	0.60	-
18	105	85	102	79	76	79	72	48		158	0.65	-
19	103	84	102	78	73	73	65	42		139	0.62	-
20	101	86	100	78	72	84	62	84		134	0.60	-
21	100	85	99	79	74	78	65	52		152	0.59	-
22	101	82	100	77	74	77	65	69		149	0.60	-
23	100	83	99	74	68	78	58	49		173	0.63	-
24	104	85	100	75	76	80	66	48		83	0.62	-
25	105	86	100	77	67	77	49	45		122	0.64	-
26	103	84	100	76	72	69	59	33		108	0.63	-
27	103	84	100	77	68	83	52	50		76	0.60	-
28	107	83	102	76	66	59	51	22		78	0.62	-
29	108	84	102	75	68	64	58	29		53	0.63	-
30	106	82	103	75	74	67	68	54		54	0.63	-
31	106	82	102	76	71	65	61	30		68	0.58	-
Tot.											20.13	0.00
Ave.	104	87	102	79						128		

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September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 A.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	83	101	76	72	70	68	36		82	0.57	-
2	105	82	102	75	69	64	60	26		81	0.58	-
3	108	78	102	71	73	68	75	31		63	0.61	-
4	106	81	101	76	64	65	53	30		51	0.59	-
5	104	83	102	74	69	63	60	28		74	0.57	-
6	104	82	100	75	69	82	60	26		72	0.59	-
7	107	83	102	76	64	66	48	31		67	0.61	-
8	104	86	101	76	59	70	40	36		105	0.62	-
9	103	86	100	75	69	70	55	36		77	0.59	-
10	103	86	101	77	70	68	53	33		97	0.60	-
11	103	84	100	77	65	68	44	33		76	0.59	-
12	103	84	101	76	69	68	55	33		75	0.57	-
13	103	86	101	77	70	66	53	31		90	0.55	-
14	104	88	100	77	71	68	27	36		301	0.70	-
15	101	79	82	62	27	41	14	34		370	1.20	-
16	101	75	95	61	50	51	37	19		84	0.67	-
17	101	74	96	62	50	44	39	14		47	0.46	-
18	103	72	96	62	40	65	22	10		44	0.49	-
19	104	72	96	64	50	65	37	10		48	0.52	-
20	103	73	94	66	64	43	59	13		52	0.42	-
21	102	75	96	68	61	50	49	18		54	0.52	-
22	101	77	96	71	61	49	49	17		62	0.43	-
23	102	75	97	69	62	61	55	22		49	0.46	-
24	107	77	99	68	62	68	55	29		1	0.59	-
25	107	79	98	69	67	58	63	24		2	0.51	-
26	102	79	97	71	69	42	70	16		18	0.51	-
27	99	80	98	73	67	59	63	26		52	0.47	-
28	101	78	98	72	68	39	63	13		28	0.44	-
29	100	76	97	72	64	56	59	23		15	0.38	-
30	101	73	97	72	64	59	65	26		24	0.51	-
Tot:											16.92	0.00
Ave:	103	80		71						75		

SIBI

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	76	96	69	68	55	70	21		39	0.45	-
2	103	79	97	69	65	53	62	20		22	0.77	-
3												-
4												-
5			95	69	63	40	58	14			1.20 +	-
6			96	68	59	48	57	19			0.40	-
7					54	39	48	13			0.41	-
8					53	48	45	22			0.40	-
9					52	46	50	17			0.43	-
10					49	46	45	17			0.39	-
11					46	36	39	11			0.41	-
12					48	49	40	20			0.59	-
13					60	39	54	15			0.41	-
14					54	42	48	17			0.35	-
15					53	50	45	23			0.35	-
16					56	56	46	32			0.36	-
17					59	57	59	33			0.35	-
18					60	62	63	41			0.30	-
19	99	64	98	65	57	40	47	16			0.38	-
20	100	65	96	66	52	37	50	13		22	0.36	-
21	100	65	93	66	52	23	50	7		28	0.35	-
22	100	60	92	62	47	28	47	8		45	0.39	-
23	104	62	92	61	41	27	33	8		53	0.41	-
24	103	62	92	62	52	28	53	9		32	0.36	-
25	99	62	91	63	47	70	44	21		46	0.34	-
26	97	63	91	64	48	46	50	18		33	0.31	-
27	101	60	96	62	51	41	52	15		26	0.31	-
28	99	63	91	63	47	49	47	21		53	0.36	-
29	99	66	91	66	53	54	53	32		35	0.31	-
30	93	67	89	63	57	56	49	32		35	0.30	-
31	94	64	91	65	52	51	50	27		35	0.30	-
Tot:											12.05	0.00
Ave:												

\+ Three days observation.

SIBI

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inche
1	93	60	91	63	54	41	51	15		36	0.30	-
2	98	58	92	60	46	40	41	16		39	0.31	-
3	99	62	89	60	47	51	44	26		39	0.31	-
4	95	63	90	60	52	52	50	28		48	0.31	-
5	96	64	90	64	51	51	47	27		45	0.30	-
6	95	63	88	64	52	49	50	26		53	0.31	-
7	93	61	86	62	46	48	41	24		49	0.31	-
8	94	61	91	62	50	49	48	26		51	0.30	-
9	93	58	87	61	51	49	52	29		44	0.30	-
10	92	61	86	61	50	52	55	32		46	0.30	-
11	90	61	86	62	53	49	60	30		93	0.26	-
12	88	63	83	62	54	51	60	33		28	0.26	-
13	88	61	86	63	54	70	68	67		56	0.26	-
14	87	55	85	56	44	46	55	27		116	0.32	-
15	87	47	60	51	38	39	51	23		51	0.26	-
16	86	51	80	50	40	46	48	29		42	0.23	-
17	87	49	81	52	41	46	53	29		34	0.22	-
18	87	51	81	53	58	45	94	27		33	0.20	-
19	85	52	82	56	37	6	31	7		105	0.31	-
20	79	49	69	47	19	31	22	19		278	0.79	-
21	79	38	75	45	36	31	58	18		59	0.24	-
22	84	33	76	41	34	14	62	10		27	0.20	-
23	81	34	73	41	23	23	40	16		26	0.15	-
24	82	35	72	41	23	29	34	16		30	0.15	-
25	84	37	74	42	29	29	53	16		34	0.17	-
26	85	34	75	42	25	26	41	16		37	0.20	-
27	84	36	74	42	30	32	59	23		38	0.19	-
28	81	36	72	41	29	32	53	22		31	0.18	-
29	80	35	72	41	35	30	68	21		29	0.17	-
30	79	35	72	43	28	32	44	23		32	0.17	-
Tot:											8.05	0.00
Ave:	88	50	81	53						54		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	36	73	44	35	39	68	30		31	0.17	-
2	79	37	73	44	28	37	52	29		27	0.14	-
3	80	34	73	45	29	31	38	19		29	0.15	-
4	82	45	76	51	34	38	52	25		24	0.17	-
5	83	40	74	50	33	44	47	28		30	0.15	-
6	84	45	77	48	38	43	60	26		34	0.17	-
7	86	45	76	50	40	38	52	25		21	0.16	-
8	83	45	76	51	32	41	40	30		33	0.16	-
9	81	45	75	51	42	43	62	32		22	0.14	-
10	82	43	76	51	42	39	72	30		36	0.14	-
11												
12												
13	83	35	75	42	25	41	41	30		119 +	0.35 +	-
14	81	39	72	41	32	35	66	23		25	0.14	-
15	79	34	70	41	25	32	50	22		17	0.13	-
16	79	32	70	41	26	24	63	14		19	0.12	-
17	80	38	72	42	25	28	50	19		22	0.11	-
18	80	31	71	41	29	30	64	21		22	0.13	-
19	81	32	72	44	12	37	28	22		27	0.14	-
20	85	38	75	45	37	39	76	24		29	0.16	-
21	84	37	73	44	31	40	60	26		18	0.15	-
22	85	37	71	43	30	45	59	36		19	0.12	-
23	77	38	71	42	30	36	59	26		21	0.13	-
24	83	35	71	44	35	37	68	29		18	0.12	-
25	81	40	71	45	33	40	67	35		22	0.12	-
26	78	38	70	36	39	35	84	23		13	0.10	-
27	81	38	71	35	35	42	68	34		18	0.11	-
28	76	45	73	35	30	39	54	32		19	0.12	-
29	75	42	71	40	39	43	70	39		21	0.10	-
30	76	43	72	37	33	39	56	34		27	0.11	-
31	71	41	69	38	38	42	70	36		23	0.11	-
Tot:											4.12	0.00
Ave:										26		

\+ Three days observation.

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TARBELA DAM COLONY - 1969

Location	Latitude 34°04', Longitude 72°43', left bank of River Indus, in Tarbela Dam Project Colony.
Elevation	2,000 ± ft msl.
Period of record	January 1961 to date, station established by Surface Water Hydrology Project WAPDA.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Anemometer.
Annual figures	Precipitation 29.36 inches Evaporation (Pan) 107.70 inches Absolute maximum air temperature 114 °F Absolute minimum air temperature 36 °F
Remarks	Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, wind travel, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

TARBELA DAM COLONY

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	62	40			35	32	76	39	23	0.10	-
2	60	40			33	32	69	39	33	0.09	-
3	60	39			31	31	67	35	33	0.10	-
4	60	40			29	34	55	40	27	0.10	-
5	60	42			30	27	56	35	33	0.09	-
6	58	44			28	31	50	41	20	0.10	-
7	56	45			30	31	51	35	30	0.08	-
8	60	46			31	32	52	34	53	0.10	-
9	64	46			35	37	59	39	38	0.11	-
10	65	44			34	38	63	43	40	0.11	-
11	64	41			29	32	55	45	48	0.13	-
12	58	44			33	35	57	59	28	0.11	-
13	56	44			34	35	63	47	39	0.08	-
14	58	36			34	35	82	44	57	0.09	-
15	60	38			35	37	76	39	42	0.10	-
16	64	40			35	35	69	38	43	0.12	-
17	64	44			31	36	52	34	40	0.13	-
18	68	46			33	37	53	39	39	0.14	-
19	64	44			32	40	57	44	36	0.11	-
20	65	44			30	37	51	37	40	0.12	-
21	66	45			29	31	47	37	40	0.12	-
22	98	47			34	39	50	40	26	0.10	-
23	66	49			35	39	51	38	49	0.12	-
24	68	50			37	41	52	37	37	0.13	-
25	70	52			38	41	49	48	74	0.15	-
26	63	52			38	35	49	41	103	0.12	-
27	62	46			38	40	65	44	110	0.11	0.07
28	64	44			37	40	64	41	45	0.10	-
29	66	46			36	31	42	31	59	0.12	-
30	64	44			28	33	45	30	39	0.13	-
31	68	48			28	32	35	42	62	0.15	-
Total										3.46	0.07
Aver	63	44							45		

TARBELA DAM COLONY

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	58	40			32	37	62	48	126	0.08	0.72
2	57	42			35	42	69	55	52	0.09	-
3	60	42			33	40	63	47	22	0.10	-
4	62	44			33	40	57	44	37	0.12	-
5	64	45			33	40	57	44	50	0.13	-
6	64	42			30	40	56	44	64	0.13	-
7	65	44			30	39	51	40	30	0.14	-
8	66	46			26	34	37	33	50	0.15	-
9	66	46			23	34	33	35	45	0.16	-
10	65	50			19	39	23	38	41	0.13	-
11	68	48			23	37	30	35	46	0.15	-
12	69	52			27	38	28	46	52	0.15	-
13	64	44			38	43	71	85	165	0.10	0.65
14	48	44			43	48	85	81	52	0.07	0.94
15	55	46			43	49	74	63	15	0.05	0.07
16	64	48			44	46	74	80	20	0.07	-
17	56	46			43	47	79	55	74	0.05	0.31
18	65	46			44	46	80	54	32	0.10	-
19	65	45			39	44	72	49	58	0.13	-
20	65	45			37	41	65	45	56	0.14	-
21	65	46			38	42	66	52	39	0.13	-
22	63	48			43	46	64	45	20	0.10	-
23	70	52			41	47	54	48	39	0.14	-
24	68	53			43	42	60	52	118	0.16	0.04
25	62	50			44	53	69	61	141	0.13	0.03
26	70	54			42	54	55	69	73	0.15	0.14
27	70	52			47	52	75	57	81	0.15	0.49
28	70	54			32	50	39	53	87	0.23	-
Tot:										3.43	3.39
Ave:	64	47							60		

TARBELA DAM COLONY

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	72	54			31	47	33	46	58	0.21	-
2	72	52			42	46	52	45	42	0.17	-
3	78	54			50	49	71	41	43	0.20	-
4	76	58			43	54	46	49	62	0.17	-
5	78	62			39	55	40	39	61	0.24	-
6	78	63			44	46	47	35	61	0.22	-
7	80	62			46	51	51	40	75	0.27	-
8	82	60			46	51	57	36	68	0.27	-
9	83	61			36	51	32	33	67	0.30	-
10	85	63			35	50	29	31	58	0.31	-
11	86	64			35	49	27	29	67	0.34	-
12	88	64			35	48	27	27	55	0.32	-
13	89	65			33	51	25	29	57	0.34	-
14	89	66			35	51	26	29	71	0.35	-
15	90	67			36	51	25	29	66	0.38	-
16	90	67			37	51	27	31	65	0.35	-
17	88	68			40	54	30	35	75	0.33	-
18	88	60			45	48	47	63	88	0.29	0.26
19	68	54			61	45	71	57	126	0.18	0.68
20	65	53			43	54	60	55	131	0.17	0.44
21	74	56			43	50	52	39	49	0.20	-
22	78	60			47	47	58	62	41	0.21	-
23	63	54			63	56	77	53	58	0.13	0.36
24	76	59			49	59	55	47	43	0.20	-
25	83	64			46	51	45	48	69	0.23	0.05
26	78	54			42	52	52	45	119	0.21	0.72
27	76	56			45	54	53	47	31	0.19	-
28	78	58			45	52	50	43	43	0.24	-
29	79	60			45	51	47	36	43	0.25	-
30	83	62			45	56	42	41	52	0.28	-
31	85	63			50	55	53	39	35	0.28	-
Tot:										7.83	2.51
Ave:	80	60							64		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	64			44	54	39	35	50	0.30	-
2	88	64			40	50	32	27	56	0.33	-
3	90	64			35	49	27	25	59	0.37	-
4	92	62			35	46	29	23	57	0.35	-
5	90	64			35	46	26	26	52	0.38	-
6	88	66			38	43	29	19	54	0.34	-
7	93	68			43	51	29	26	71	0.40	-
8	93	70			47	54	33	27	57	0.37	-
9	95	73			49	57	35	31	56	0.41	-
10	94	67			49	58	41	40	72	0.38	-
11	98	69			51	57	48	70	49	0.34	-
12	76	61			54	59	65	57	94	0.18	0.28
13	76	64			50	57	45	57	50	0.22	-
14	85	66			46	57	35	57	44	0.27	-
15	88	64			50	59	53	47	74	0.21	0.37
16	83	64			52	57	51	57	56	0.24	0.19
17	80	61			45	56	47	41	85	0.26	-
18	84	64			44	49	39	33	53	0.32	-
19	82	64			45	50	42	47	33	0.27	-
20	75	60			48	47	59	48	82	0.24	-
21	70	52			49	47	61	36	58	0.17	0.33
22	78	56			47	48	55	31	45	0.26	-
23	83	63			45	43	42	54	52	0.30	-
24	85	66			37	35	28	46	119	0.38	-
25	84	68			34	35	24	21	68	0.42	-
26	81	62			43	40	41	22	137	0.44	-
27	85	66			41	41	33	28	85	0.42	-
28	81	60			48	51	59	36	78	0.35	-
29	[illegible]	58			53	47	78	46	56	0.28	0.13
30	71	56			51	38	64	33	72	0.26	0.05
Total										9.46	1.35
Avge	84	64							66		

TARBELA DAM COLONY

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	57			39	42	36	23	64	0.29	-
2	85	64			37	41	27	28	58	0.31	-
3	90	67			41	44	29	26	49	0.30	-
4	86	66			42	50	31	27	36	0.27	-
5	91	70			49	51	33	23	52	0.33	-
6	96	74			47	49	29	21	65	0.39	-
7	98	78			46	56	26	26	64	0.47	-
8	100	76			52	55	35	26	86	0.46	-
9	98	70			53	61	39	53	75	0.48	-
10	85	65			58	63	63	48	110	0.22	0.30
11	88	70			52	57	37	30	47	0.28	-
12	96	72			50	52	34	43	81	0.40	-
13	86	62			59	51	75	51	108	0.26	0.64
14	73	56			51	55	72	65	101	0.18	1.05
15	68	58			52	64	64	41	53	0.12	0.20
16	83	62			55	49	59	29	31	0.23	-
17	88	68			46	57	35	38	108	0.41	-
18	88	70			49	51	44	36	34	0.45	-
19	82	68			49	50	44	27	100	0.39	-
20	92	68			51	53	42	25	55	0.38	-
21	96	74			51	54	33	27	38	0.41	-
22	96	72			54	57	42	38	65	0.45	-
23	90	68			54	52	47	23	28	0.40	-
24	98	74			43	50	23	18	66	0.44	-
25	102	80			37	49	16	17	81	0.52	-
26	104	82			41	49	18	17	59	0.58	-
27	104	84			39	51	17	18	92	0.65	-
28	105	78			39	47	17	15	84	0.63	-
29	106	84			42	49	17	15	66	0.62	-
30	109	85			43	55	17	17	60	0.65	-
31	110	85			43	55	17	19	49	0.61	-
Tot:										12.58	2.19
Ave:	93	71							67		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	108	82			45	55	19	20	84	0.65	-
2	106	84			55	46	35	15	38	0.59	-
3	103	78			55	50	40	22	134	0.64	0.16
4	97	80			48	42	27	17	120	0.55	-
5	96	76			46	48	27	19	103	0.59	0.03
6	99	80			44	52	23	19	66	0.59	-
7	104	84			41	48	43	16	99	0.66	-
8	106	86			39	49	17	15	101	0.72	-
9	106	86			42	48	17	15	64	0.68	-
10	108	85			42	50	17	15	57	0.70	-
11	110	86			44	48	18	16	112	0.75	-
12	105	85			43	51	19	18	[illegible]	0.71	-
13	106	88			43	48	17	15	72	0.68	-
14	109	86			43	51	17	16	60	0.65	-
15	109	90			38	42	14	11	67	0.66	-
16	109	90			41	61	16	23	99	0.74	-
17	110	91			45	53	17	16	64	0.67	-
18	111	91			47	49	18	15	62	0.68	-
19	110	90			40	63	15	25	123	0.77	-
20	109	88			43	42	17	11	101	0.66	-
21	111	90			41	46	14	14	42	0.63	-
22	109	89			41	48	16	15	116	0.77	-
23	109	86			53	49	28	15	84	0.68	0.14
24	108	82			51	50	29	17	54	0.50	-
25	106	86			46	47	19	14	55	0.58	-
26	109	90			40	48	15	14	73	0.65	-
27	111	92			43	59	17	22	68	0.69	-
28	108	86			49	53	23	22	81	0.65	-
29	100	82			49	53	26	19	79	0.61	-
30	105	83			49	59	26	27	71	0.58	-
Total										19.68	0.33
Ave:	103	86							81		

YARNELL DAM COLONY

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	76			59	59	54	31	54	0.56	0.08
2	96	76			57	54	36	23	48	0.51	-
3	104	82			59	59	35	23	46	0.55	-
4	106	88			59	58	31	30	44	0.58	-
5	109	88			60	60	32	21	136	0.61	-
6	109	90			58	62	28	20	72	0.63	-
7	114	93			64	67	33	27	45	0.65	-
8	111	86			53	65	25	24	91	0.71	-
9	112	80			60	66	47	37	78	0.68	-
10	100	72			59	67	38	34	92	0.51	0.36
11	102	76			67	61	63	28	95	0.55	-
12	103	78			59	64	35	30	82	0.57	-
13	104	82			60	65	39	29	47	0.54	-
14	105	87			66	62	40	53	31	0.50	-
15	96	76			63	63	51	31	90	0.43	0.11
16	101	82			67	69	50	35	42	0.47	-
17	104	88			70	69	44	33	37	0.53	-
18	107	90			72	73	46	35	41	0.55	-
19	108	92			75	72	49	32	45	0.53	-
20	110	93			75	72	49	36	45	0.54	-
21	105	88			74	74	58	51	41	0.56	-
22	96	82			75	75	83	61	33	0.49	-
23	94	78			73	75	75	47	38	0.38	0.09
24	100	74			74	74	83	66	63	0.33	0.28
25	88	77			73	52	75	46	21	0.25	-
26	98	75			69	70	70	44	60	0.32	-
27	98	78			71	71	65	40	43	0.38	-
28	100	66			67	70	77	54	76	0.34	1.61
29	90	70			64	71	57	46	53	0.31	-
30	96	78			65	70	52	42	43	0.35	-
31	100	78			65	67	49	33	46	0.38	-
Total										15.29	2.53
Avg:	102	81							58		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	104	82			66	68	50	31	45	0.42	–
2	106	86			65	69	43	31	50	0.48	–
3	102	88			68	70	47	36	42	0.51	–
4	[illegible]	78			[illegible]	[illegible]	79	[illegible]	81	0.35	1.12
5	98	78			75	76	61	48	25	0.31	–
6	100	86			77	75	65	54	43	0.38	–
7	99	76			76	77	91	80	49	0.35	0.14
8	86	77			75	77	83	57	13	0.26	–
9	96	80			76	79	69	53	20	0.28	–
10	100	81			76	75	79	59	30	0.34	–
11	94	70			71	72	91	60	64	0.16 *	2.81
12	89	73			73	75	86	87	60	0.19	0.43
13	82	72			73	76	72	61	24	0.14	0.66
14	93	76			69	71	70	59	29	0.25	–
15	88	74			70	73	82	66	47	0.13	0.55
16	88	75			72	75	79	59	19	0.18	–
17	95	78			75	77	76	57	14	0.23	–
18	96	72			73	79	86	70	32	0.19	0.94
19	92	70			70	75	82	63	46	0.21	0.45
20	91	72			69	75	74	61	76	0.20	0.76
21	92	72			66	71	70	52	70	0.27	–
22	93	71			69	70	74	51	53	0.41	0.57
23	92	73			69	71	70	46	29	0.25	–
24	98	77			70	69	68	47	39	0.31	–
25	96	66			64	71	69	57	52	0.38	0.30
26	91	69			62	78	62	70	69	0.40	0.33
27	94	75			64	65	54	71	40	0.25	–
28	97	78			62	69	50	43	43	0.31	–
29	01	80			66	70	60	45	48	0.35	–
30	97	80			66	67	55	41	52	0.38	–
31	98	81			65	67	49	39	48	0.40	–
Total										9.17	9.06
Avge	95	76							42		

TARBELA DAM COLONY

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	81			58	[illegible]	40	39	58	0.43	-
2	98	81			57	68	38	39	45	0.40	-
3	101	78			59	66	42	35	26	0.37	-
4	102	74			56	69	41	38	89	0.45	-
5	101	78			60	68	43	36	44	0.40	-
6	102	80			57	61	38	48	49	0.38	-
7	84	68			63	70	65	56	53	0.25	0.28
8	90	74			57	69	48	47	29	0.22	-
9	95	74			57	68	48	45	16	0.26	-
10	95	76			59	69	47	43	21	0.33	-
11	97	76			61	69	50	47		0.31	-
12	95	75			63	69	51	41		0.28	-
13	98	79			67	67	52	37		0.25	-
14	100	66			63	74	85	50		0.29	1.32
15	84	66			65	68	77	53		[illegible]	0.57
16	90	70			58	67	54	50		0.32	-
17	90	70			58	64	51	41		0.28	-
18	94	70			58	65	54	42		0.30	-
19	95	72	101	67	55	59	43	31		0.22	-
20	97	72	98	56	54	62	42	38	45	0.31	-
21	94	74	96	68	49	62	33	35	49	0.35	-
22	96	74	97	68	52	62	37	35	45	0.31	-
23	97	76	98	71	56	60	41	32	44	0.34	-
24	96	74	98	67	54	59	35	32	82	0.41	-
25	96	66	96	66	53	53	46	28	51	0.38	0.45
26	93	71	94	65	52	61	43	35	44	0.33	-
27	95	72	96	67	50	60	38	32	46	0.33	-
28	96	74	96	68	52	61	39	35	47	0.35	-
29	96	74	96	69	52	59	39	32	46	0.32	-
30	96	74	96	70	54	58	42	33	44	0.33	-
Tot:										9.76	2.62
Ave:	95	74									

TARBELA DAM COLONY

October 1969

Date	Temperatures °F: Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	94	75	95	70	48	58	35	37	46	0.36	-
2	91	64	91	62	53	59	55	41	68	0.32	0.07
3	89	70	91	64	51	59	42	37	44	0.31	-
4	92	64	93	64	50	59	45	38	76	0.33	0.15
5	90	67	91	65	51	53	48	31	46	0.27	-
6	92	70	92	65	49	56	41	31	54	0.31	-
7	94	70	93	65	50	57	39	33	56	0.33	-
8	94	70	93	66	50	58	39	33	52	0.31	-
9	95	71	93	66	52	60	43	35	47	0.32	-
10	95	70	93	66	53	59	46	35	44	0.31	-
11	95	72	94	66	54	50	47	45	41	0.28	-
12	81	62	79	61	52	59	51	42	146	0.33	0.31
13	86	66	88	63	51	57	48	38	39	0.27	-
14	90	62	89	62	58	62	79	50	56	0.25	0.40
15	86	61	84	62	54	59	65	84	72	0.23	0.35
16	78	59	74	59	56	58	79	54	54	0.18	0.43
17	78	62	80	60	54	56	65	50	33	0.16	-
18	82	64	85	62	52	59	57	49	45	0.19	-
19	83	65	86	61	52	64	57	59	57	0.24	-
20	81	66	86	60	47	58	40	45	66	0.26	-
21	86	64	85	61	49	59	50	42	47	0.25	-
22	88	64	84	68	45	48	42	30	52	0.26	-
23	89	66	86	60	49	50	50	31	61	0.29	-
24	87	69	84	62	48	60	34	47	71	0.28	-
25	86	66	85	61	44	57	39	38	58	0.28	-
26	89	65	86	61	45	52	42	35	62	0.29	-
27	89	66	85	63	48	49	47	50	60	0.26	-
28	87	56	81	58	55	50	94	56	174	0.16*	3.00
29	68	56	67	52	49	59	55	64	145	0.15	0.13
30	76	62	79	59	57	61	70	58	42	0.15	-
31	80	61	83	59	49	60	59	58	52	0.20	-
Tot:										8.14	4.84
Ave:	87	65	86	62					63		

* Estimated evaporation.

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	82	62	83	59	46	60	51	61	55	0.15	-
2	84	63	83	58	46	60	45	52	68	0.24	-
3	83	63	82	59	44	57	47	44	61	0.20	-
4	83	62	82	58	46	53	51	39	68	0.23	-
5	83	63	82	58	47	57	48	56	69	0.20	-
6	81	60	79	58	54	55	73	49	35	0.16	-
7	80	60	82	59	44	59	49	49	45	0.18	-
8	82	62	83	59	49	57	55	44	52	0.20	-
9	84	63	83	59	48	54	52	49	62	0.20	-
10	80	62	81	59	49	54	55	55	53	0.17	-
11	76	60	73	57	48	56	59	50	48	0.15	-
12	78	58	77	58	48	48	63	49	59	0.13	0.11
13	74	58	74	55	46	53	57	55	58	0.15	-
14	75	56	76	54	45	50	57	47	40	0.17	-
15	76	55	76	53	42	49	55	44	53	0.16	-
16	75	54	74	52	42	46	59	43	52	0.18	-
17	74	54	72	51	39	47	53	40	56	0.16	-
18	74	52	73	50	39	47	53	40	53	0.16	-
19	76	52	73	50	42	42	59	52	78	0.16	0.30
20	63	51	62	50	45	50	69	56	130	0.18	0.06
21	68	50	70	50	35	43	51	43	28	0.15	-
22	70	50	70	49	38	43	57	43	45	0.14	-
23	70	48	69	46	34	43	50	41	42	0.13	-
24	71	51	69	47	31	42	37	38	44	0.15	-
25	73	52	71	48	31	41	37	35	47	0.15	-
26	74	48	70	45	34	39	50	34	44	0.17	-
27	71	46	68	44	34	41	54	42	36	0.16	-
28	70	46	68	45	35	44	59	47	39	0.14	-
29	69	47	67	45	34	46	54	51	40	0.13	-
30	68	47	67	45	37	44	60	49	40	0.12	-
Tot:										4.97	0.47
Ave:	76	55	75	53					53		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	66	46	65	45	34	44	54	47	43	0.11	-
2	68	47	66	45	34	44	54	47	48	0.13	-
3	69	47	66	44	35	39	55	38	35	0.13	-
4	72	45	68	44	35	44	59	47	39	0.15	-
5	70	48	68	45	42	43	68	43	25	0.13	-
6	71	48	68	47	45	46	63	45	38	0.14	-
7	72	48	69	47	38	44	57	44	41	0.13	-
8	72	50	68	48	38	46	57	51	31	0.12	-
9	74	52	69	48	37	45	52	50	50	0.15	-
10	70	49	67	46	35	49	55	55	41	0.13	-
11	68	47	66	46	37	47	60	55	45	0.12	-
12	70	48	66	46	31	45	44	47	42	0.11	-
13	70	50	67	45	32	44	57	47	48	0.14	-
14	70	48	67	45	33	43	49	46	45	0.15	-
15	70	49	66	44	37	41	56	42	41	0.14	-
16	70	48	65	44	33	41	53	45	34	0.13	-
17	68	48	64	43	29	40	43	39	28	0.10	-
18	70	47	66	45	34	40	50	41	41	0.15	-
19	71	47	66	45	29	40	43	41	45	0.13	-
20	70	46	66	44	31	41	48	45	40	0.13	-
21	68	45	65	42	28	40	45	44	46	0.14	-
22	68	45	64	42	28	38	42	48	38	0.14	-
23	66	44	62	41	27	40	44	44	44	0.12	-
24	67	42	62	41	27	35	44	38	38	0.13	-
25	65	44	63	41	28	38	45	43	30	0.11	-
26	64	42	61	41	29	38	55	43	29	0.10	-
27	66	42	63	41	27	41	49	48	36	0.12	-
28	66	42	62	41	30	40	56	47	36	0.11	-
29	64	45	60	41	32	35	45	47	27	0.12	-
30	58	50	54	45	37	41	56	45	16	0.09	-
31	68	50	66	45	37	40	56	44	21	0.13	-
Tot:										3.93	0.00
Ave:	68	47	65	44					37		

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Location Latitude 25°22', Longitude 67°51', 150 miles from Karachi via Bholari.

Elevation 500 ± ft msl.

Period of record Station established in May 1965 by Surface Water Hydrology Project WAPDA.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Dines Pressure Tube Anemograph.

Annual figures

Precipitation	2.17 inches
Evaporation (Pan)	239.94 inches
Absolute maximum air temperature	127 °F
Absolute minimum air temperature	31 °F

Remarks
Annual figures calculated by estimating the days for which record was missing or not observed. Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. The wind travel record computed from Dines Pressure Tube graphs is shown separately.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	69	39			36	30	75	25		0.30	-
2	70	36			30	30	65	26		0.28	-
3	67	31			26	21	70	18		0.28	-
4	66	34			28	11	58	11		0.24	-
5	68	42			28	14	48	13		0.27	-
6	70	45			23	49	31	12		0.30	-
7	67	37			[illegible]	23	58	18		0.27	-
8	73	42			23	21	31	17		0.29	-
9	78	40			[illegible]	[illegible]	[illegible]	[illegible]		0.31	-
10	82	48			36	31	53	19		0.30	-
11	80	48			36	54	53	43		0.29	-
12	82	52			56	38	82	25		0.30	-
13	82	49			29	37	53	24		0.31	-
14	78	40			25	31	46	19		0.29	-
15	80	44			48	31	86	18		0.30	-
16	82	38	69	45	32	30	66	22		0.30	-
17	74	38	76	42	30	43	59	24		0.31	-
18	80	40	75	48	36	32	69	22		0.30	-
19	78	44	73	48	35	24	62	49		0.31	-
20	80	46	73	44	34	18	48	13		0.32	-
21	77	42	79	46	32	18	61	13		0.29	-
22	80	42	79	48	45	32	92	23		0.30	-
23	80	45	79	48	37	1	64	5		0.29	-
24	82	49	77	48	38	40	60	22		0.32	-
25	90	52	77	52	57	39	88	23		0.33	-
26	90	61	81	44	61	46	84	27		0.32	-
27	86	48	82	51	39	36	65	26		0.34	-
28	80	40	76	46	28	24	52	15		0.31	-
29	78	42	74	46	29	18	53	13		0.34	-
30	82	43	73	43	53	29	82	17		0.35	-
31	89	63	80	57	63	49	89	36		0.36	-
Tot:										9.42	0.00
Ave:	78	44									

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	55	79	56	35	35	42	23		0.32	–
2	76	40	76	45	30	32	[illegible]	[illegible]		0.31	–
3	78	37	72	42	25	33	50	21		0.30	–
4	79	40	74	42	19	32	31	26		0.29	–
5	70	30	71	41	20	28	46	19		0.33	–
6	77	35	74	41	23	18	49	12		0.28	–
7	[illegible]	41	74	[illegible]	[illegible]	6	[illegible]	7		0.30	–
8	78	47	73	45	36	21	53	14		0.31	–
9	78	38	74	42	41	26	71	16		0.29	–
10	86	40	78	43	16	7	17	11		0.32	–
11	88	46	78	44	54	49	93	29		0.31	–
12			85	56	60	46	94	33		0.32	–
13	88	57	80	56	51	38	76	26		0.35	–
14	87	45	78	49	36	39	53	32		0.38	–
15	77	52	77	51	43	41	63	33		0.35	–
16			73	51	45	15	79	10		0.36	–
17	78	49	76	51	[illegible]	[illegible]	[illegible]	[illegible]		0.34	–
18	80	46	81	52	40	35	71	22		0.35	–
19	79	45	78	50	36	39	58	24		0.33	–
20	83	46	79	51	37	33	59	16		0.36	–
21	90	51	83	51	34	31	41	15		0.40	–
22	89	57	79	53	55	46	73	23		0.42	–
23	92	66	88	60	63	47	84	30		0.37	–
24	90	63	90	63	62	46	89	24		0.36	–
25	92	63	90	62	56	49	73	29		0.40	–
26										0.38 *	–
27										0.36 *	–
28	94	60	84	61	46	41	53	24		0.39 *	–
Tot:										9.58	0.0
Ave:											

* Estimated evaporation.

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	88	56	86	59	47	45	65	22		0.36	-
2	94	60	89	57	40	50	42	25		0.41	-
3	96	59	88	64	43	40	47	16		0.43	-
4	98	62	88	59	32	35	29	14		0.45	-
5	98	62	86	56	35	31	32	12		0.44	-
6	99	60	85	57	55	43	69	18		0.48	-
7	99	59	87	59	51	41	62	15		0.50	-
8	102	60	90	61	45	47	52	18		0.60	-
9	104	63	90	60	45	38	40	13		0.62	-
10	106	64	93	61	47	39	44	13		0.60	-
11	106	66	93	62	50	39	48	11		0.55	-
12	109	67	94	59	55	45	58	14		0.56	-
13	111	66	95	62	52	43	53	15		0.60	-
14	108	68	94	62	58	48	59	16		0.54	-
15	109	70	94	61	43	52	32	1		0.51	-
16	108	71	95	61	61	47	63	20		0.59	-
17	104	72	87	65	66	56	77	29		0.54	-
18	104	70	[illegible]	[illegible]	64	61	76	40		0.52	-
19	95	72	89	67	68	67	85	47		0.43	-
20	100	69	95	73	66	47	85	20		0.52	-
21	102	64	90	63	63	35	80	14		0.54	-
22	100	69	89	64	68	45	81	19		0.60	-
23	104	74	89	69	69	64	[illegible]	36		0.65	-
24	106	74	99	70	69	51	81	40		0.63	-
25	102	73	94	69	69	65	81	46		0.62	-
26	96	68	89	62	41	61	33	44		0.61	-
27	93	60	86	61	41	32	41	11		0.59	-
28	99	60	90	59	46	40	53	16		0.62	-
29	99	58	88	58	41	49	46	21		0.62	-
30	104	60	91	62	53	38	60	13		0.58	-
31	104	60	89	62	41	40	33	14		0.70	-
Tot:										17.01	0.00
Ave:	102	65	91	62							

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	65	89	58	74	43	43	13		0.65	-
2	112	71	94	62	47	57	35	23		0.69	-
3	114	72	95	63	44	58	72	22		0.77	-
4	115	75	94	66	69	66	77	34		0.85	-
5			95	68	46	64	24	33		0.88	-
6	104	75	91	64	52	60	38	24		0.90	-
7	110	78	95	67	65	59	59	25		0.90	-
8	111	75	96	68	59	60	51	24		0.92	-
9	113	75	97	70	62	65	58	30		0.97	-
10	110	78	96	70	69	63	70	26		0.95	-
11	112	80	96	72	76	64	67	33		1.00	-
12	105	76	88	71	73	72	82	43		0.90	-
13	107	79	92	71	64	67	53	34		1.03	-
14	108	76	97	71	70	68	67	36		1.05	-
15	111	76	90	71	74	56	78	26		1.07	-
16	105	79	91	70	67	41	70	39		0.94	-
17	104	70	97	64	52	60	44	29		0.80	-
18	102	72	93	67	65	67	76	38		0.82	-
19			93	69	75	72	83	45		0.87	-
20	108	80	97	65	70	65	67	35		0.90	-
21	102	70	93	63	55	65	49	38		0.92	-
22	100	64	94	61	53	68	46	38		0.87	-
23	105	68	93	62	57	71	49	39		0.90	-
24	106	72	94	63	64	71	61	39		0.90	-
25	108	70	92	65	56	69	46	57		0.98	-
26	109	72	97	65	67	63	66	28		1.00	-
27	112	75	96	70	72	72	82	45		1.10	-
28	110	77	96	71	74	64	83	36		0.98	-
29	105	76	95	68	69	71	73	36		0.96	-
30	110	75	94	62	66	80	51	54		1.03	-
Total										27.50	0.00
Avge.			94	67							

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	80	89	64	72	79	74	64		1.05	-
2	100	72	88	65	64	85	65	69		0.90	-
3	104	77	91	69	68	84	66	63		0.89	-
4	106	77	96	72	74	78	83	44		1.00	-
5	110	77	99	71	68	87	63	62		1.05	-
6	113	74	95	69	75	86	83	72		1.10	-
7	108	80	95	71	78	79	85	54		0.94	-
8	110	80	98	74	75	79	75	54		0.98	-
9	111	82	99	75	76	74	75	39		0.99	-
10	115	79	98	74	77	81	83	55		1.10	-
11	115	66	102	76	71	82	56	46		1.10	-
12	114	84	99	75	76	67	72	34		1.12	-
13	113	80	97	72	59	80	40	54		1.10	-
14	108	70	92	61	70	81	61	57		1.15	-
15	106	72	92	77	69	82	64	68		1.13	-
16	104	72	95	68	68	85	63	56		0.90	-
17	110	77	98	68	74	77	83	42		1.02	-
18	114	81	97	70	80	73	80	34		1.20	-
19	119	85	98	72		77		42		1.25	-
20	118	79	96	68	74	81	60	45		1.22	-
21	119	80	90	69	75	92	57	68		1.27	-
22	114	81	94	68	75	89	87	72		1.10	
23	108	84	97	77	82	94	88	71		1.12	-
24	120	83	102	75	79	95	83	74		1.04	-
25	115	83	102	75	81	84	87	52		1.14	-
26	116	83	102	73	77	91	72	63		1.15	-
27	118	86	98	75	78	86	73	59		1.20	-
28	114	83	97	75	81	79	87	52		1.10	-
29	114	83	95	76	78	79	79	59		1.17	-
30	108	85	95	77	80	77	80	54		1.15	-
31	109	84	92	77	77	78	72	59		1.05	-
Tot:										33.68	0.00
Ave:	112	79	96	72							

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	104	84	94	77	75	64	72	33		1.12	-
2	105	82	95	76	78	72	79	45		1.15	-
3	106	80	97	73	71	79	61	56		1.13	-
4	111	81	98	75	79	77	87	49		1.07	-
5	110	80	100	76	77	68	83	33		1.00	-
6	115	80	103	72	71	75	51	43		1.18	-
7	120	82	100	73	75	75	75	40		1.15	-
8	120	82	98	77	81	78	87	69		1.20	-
9	110	82	97	77	76	78	75	64		1.10	-
10	110	83	97	76	75	76	72	63		1.12	-
11	111	84	98	77	80	78	80	69		1.15	-
12	110	83	99	76	76	73	75	48		1.10	-
13	107	82	98	76	75	77	75	63		1.11	-
14	105	84	96	77	75	72	72	49		0.90	-
15	104	84	97	77	74	72	68	49		0.95	-
16	104	85	97	76	75	75	69	57		1.00	-
17	103	84	95	77	74	73	68	50		1.03	-
18	104	85	97	78	77	70	72	38		1.10	-
19	110	85	97	77	78	71	73	36		1.14	-
20	117	86	102	79	77	73	72	39		1.10	-
21	120	85	101	82	75	70	65	33		1.10	-
22	120	85	101	79	79	74	83	33		1.20	-
23		84	101	79	78	75	79	53		1.30	-
24	115	85	100	80	77	73	76	39		1.12	-
25	122	83	103	78	74	71	71	41		1.17	-
26	115	82	97	75	75	72	72	40		1.10	-
27	112	83	96	76	73	70	68	41		1.15	-
28	106	85	97	77	74	73	65	44		1.07	-
29	108	85	100	79	77	75	72	46		0.98	-
30	108	84	100	77	73	72	68	47		1.12	-
Tot:										33.11	0.00
Avet		83	98	77							

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	105	83	97	76	75	76	72	58		1.07	-
2	104	85	99	78	76	76	72	51		1.00	-
3	108	84	100	77	73	73	65	50		1.05	-
4	108	84	99	78	75	74	72	55		1.09	-
5	106	83	98	76	72	72	65	49		1.00	-
6	104	84	96	76	73	73	68	52		1.07	-
7	102	83	95	76	73	70	68	47		1.15	-
8	104	84	96	76	72	71	68	49		1.02	-
9	102	84	94	77	75	73	72	54		1.03	-
10	101	84	94	77	75	71	75	49		0.88	-
11	102	83	91	77	73	74	68	52		0.99	-
12	102	84	97	78	77	75	79	53		0.92	-
13	107	84	100	78	78	79	79	52		0.90	-
14	112	85	101	80	76	77	75	49		0.92	-
15	111	85	100	81	81	72	80	43		0.95	0.05
16	104	86	94	81	79	77	80	54		0.93	-
17	110	85	101	77	73	74	68	55		1.03	-
18	104	84	96	76	73	72	68	54		1.00	-
19	101	85	94	76	72	72	65	59		0.78	-
20	97	84	92	76	74	75	71	53		0.95	-
21	104	83	94	78	79	78	87	59		0.78	0.18
22	105	80	100	79	81	78	84	87		0.54	1.33
23	105	82	101	79	79	79	83	80		0.54	0.11
24	97	80	96	76	76	74	83	65		0.33	0.07
25	94	81	95	76	74	76	75	72		0.50	-
26	98	82	96	76	72	77	68	69		0.70	-
27	99	82	96	76	71	73	64	59		0.80	-
28	98	82	96	75	76	71	83	58		0.73	-
29	96	81	95	74	71	72	67	54		0.81	-
30	98	83	94	76	73	73	71	52		0.70	-
31	101	82	96	76	72	76	71	65		0.72	-
Tot:										26.70	1.74
Ave:	103	83	97	77							

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	82	95	77	73	74	71	60		0.76	-
2	99	83	96	78	76	72	79	54		0.78	-
3	101	83	97	77	74	76	75	63		0.80	-
4	102	82	95	77	76	75	83	63		0.92	-
5	99	81	97	76	73	74	71	57		0.83	-
6	98	82	96	76	72	71	71	61		0.80	-
7	92	80	97	75	72	72	71	54		0.78	-
8	100	82	97	75	73	73	75	62		0.80	-
9	96	82	95	76	73	74	71	60		0.75	-
10	99	81	96	77	74	75	75	72		0.70	-
11	94	80	95	75	74	73	83	65		0.68	-
12	92	80	95	76	74	75	78	72		0.60	-
13	90	79	93	74	72	72	74	62		0.50	-
14	95	81	94	75	72	74	74	60		0.60	-
15	100	80	96	76	72	73	71	52		0.58	-
16	109	82	94	75	73	70	75	48		0.67	-
17	102	80	97	73	70	70	67	61		0.83	-
18	94	79	103	73	69	69	70	58		0.75	-
19	95	80	93	73	69	68	67	58		0.78	-
20	94	79	90	73	71	69	74	58		0.83	-
21	94	80	91	73	69	68	67	55		0.84	-
22	98	78	93	72	68	73	70	52		0.72	-
23	101	77	95	72	69	73	70	44		0.77	-
24	108	78	100	73	70	75	74	52		0.70	-
25	108	78	101	72	71	70	74	60		0.72	-
26	102	77	93	72	71	70	74	48		0.68	-
27	101	77	95	72	70	71	74	49		0.80	-
28	104	77	95	72	70	69	74	44		0.75	-
29	101	79	94	73	71	69	73	46		0.78	-
30	103	78	96	73	69	71	70	51		0.60	-
31	102	78	96	74	72	71	74	56		0.70	-
Tot:										22.80	0.00
Ave:	99	80	96	74							

PHANO BULA KHAN

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	102	79	98	73	71	73	70	57		0.70	-
2	100	80	97	74	72	74	74	57		0.75	-
3	101	78	95	73	72	50	74	54		0.77	-
4	105	77	98	73	71	73	74	59		0.81	-
5	104	78	97	73	73	70	78	51		0.75	-
6	101	79	96	74	73	70	78	54		0.72	-
7	103	78	96	73	73	66	82	34		0.74	-
8	107	79	100	73	76	73	83	78		0.79	-
9	110	82	95	76	78	68	79	38		0.63	0.43
10	108	81	100	76	77	68	83	38		0.75	-
11	112	83	99	76	77	70	69	44		0.78	-
12	112	77	103	72	69	64	73	36		0.82	-
13	100	78	94	76	74	70	87	84		0.70	-
14	99	79	94	73	72	73	71	40		0.65	-
15	112	78	97	69	69	72	67	66		0.83	-
16	106	74	95	76	71	68	78	36		0.62	-
17	105	78	101	73	68	63	66	33		0.55	-
18	107	78	101	79	65	69	62	42		0.58	-
19	105	72	96	68	67	71	77	51		0.60	-
20	102	74	95	69	70	68	81	42		0.72	-
21	104	74	100	71	69	69	73	39		0.67	-
22	113	77	102	72	72	69	78	40		0.72	-
23	110	77	96	69	69	75	73	62		0.75	-
24	100	77	94	71	71	73	78	57		0.65	-
25	99	76	95	71	72	71	82	56		0.62	-
26	98	78	94	72	71	73	74	59		0.57	-
27	99	77	95	72	71	71	78	51		0.49	-
28	101	75	97	71	69	73	77	59		0.54	-
29	100	73	96	69	67	73	73	54		0.55	-
30	102	76	93	70	69	86	73	69		0.58	-
Tot:										20.40	0.43
Ave:	104	77	97	73							

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	77	93	71	70	72	74	59		0.55	-
2	103	77	95	73	74	72	87	54		0.60	-
3	106	78	95	72	71	70	74	65		0.62	-
4	98	77	94	73	73	72	86	59		0.50	-
5	103	77	99	73	69	71	70	51		0.63	-
6	106	75	98	71	74	75	87	53		0.59	-
7	110	74	98	69	73	74	82	52		0.66	-
8	110	75	98	68	61	68	51	38		0.60	-
9	108	73	93	66	63	68	84	42		0.63	-
10	109	70	94	64	67	72	81	49		0.65	-
11	108	71	93	65	63	70	64	48		0.70	-
12	101	76	92	71	71	67	86	43		0.70	-
13	104	75	95	71	73	70	91	51		0.63	-
14	102	72	98	69	72	69	90	44		0.58	-
15	103	73	99	71	72	70	90	47		0.60	-
16	104	75	98	72	73	60	91	31		0.51	-
17	103	76	98	74	69	59	77	30		0.48	-
18	106	76	98	72	67	64	74	36		0.50	-
19	108	74	98	67	61	66	57	32		0.58	-
20	107	72	96	64	53	46	45	17		0.60	-
21	107	70	94	67	54	44	43	16		0.63	-
22	108	75	93	66	71	46	74	15		0.55	-
23	109	74	102	66	59	64	57	33		0.58	-
24	104	73	94	68	70	69	86	44		0.53	-
25	105	69	95	67	58	57	59	25		0.43	-
26	107	70	95	67	52	38	72	17		0.41	-
27	107	73	91	66	61	51	57	24		0.40	-
28	104	71	89	64	64	44	68	20		0.42	-
29	100	72	87	65	68	55	73	25		0.41	-
30	100	69	87	65	57	55	53	28		0.50	-
31	100	69	91	65	51	54	47	26		0.45	-
Tot:										17.24	0.00
Ave:	105	73	95	68							

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	101	71	90	65	52	64	44	36		0.43	-
2	106	73	95	70	70	66	86	47		0.40	-
3	100	70	91	68	70	54	90	36		0.43	-
4	102	70	95	69	71	65	95	42		0.45	-
5	99	66	94	68	69	64	95	40		0.44	-
6	98	66	90	63	53	56	53	31		0.45	-
7	98	71	89	65	56	55	52	30		0.47	-
8	98	67	89	63	52	51	53	26		0.44	-
9	98	63	90	62	50	53	43	30		0.43	-
10	96	68	85	62	56	52	61	29		0.46	-
11	95	64	86	62	54	60	51	38		0.45	-
12	95	64	89	63	52	59	53	36		0.42	-
13	97	64	90	64	57	59	65	37		0.46	-
14	95	64	88	67	59	59	74	44		0.45	-
15	90	65	87	65	61	52	75	29		0.39	-
16	93	59	89	62	52	52	63	42		0.35	-
17	91	64	86	61	55	50	61	32		0.46	-
18	90	64	84	61	49	51	51	31		0.40	-
19	94	59	85	59	47	43	61	33		0.42	-
20	88	59	81	54	32	47	28	29		0.42	-
21			77	51	35	49	39	37		0.41	-
22	80	52	75	50	41	47	53	40		0.39	-
23	80	52	75	50	40	43	48	37		0.40	-
24	80	49	74	48	38	46	44	32		0.38	-
25	79	45	72	48	36	49	53	33		0.46	-
26	82	49	75	46	33	46	51	34		0.43	-
27	89	49	79	48	51	48	86	34		0.42	-
28	80	46	72	49	37	47	59	38		0.39	-
29	80	49	72	50	43	52	44	37		0.42	-
30	80	62	71	53	44	52	45	53		0.32	-
Total										12.64	0.00
Avg:			84	59							

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	55	70	50	46	51	60	42		0.34	-
2	81	60	73	50	49	53	61	45		0.41	-
3	81	52	75	53	42	58	62	43		0.43	-
4	88	55	79	55	49	64	66	48		0.42	-
5	92	58	81	59	52	55	81	43		0.39	-
6	84	51	77	54	47	47	80	31		0.30	-
7	87	49	77	54	47	39	80	20		0.31	-
8	92	48	82	54	42	49	62	29		0.39	-
9	90	48	81	54	45	49	68	36		0.30	-
10	84	48	78	51	43	48	78	33		0.30	-
11											
12											
13	84	39	77	46	37	44	64	35		1.10 +	-
14	78	39	72	46	35	46	68	31		0.30	-
15	77	38	73	46	30	43	33	31		0.30	-
16	81	39	74	46	40	43	52	32		0.26	-
17	80	43	74	47	44	45	61	32		0.31	-
18	81	41	76	46	39	54	85	41		0.32	-
19	90	41	76	47	30	45	77	30		0.31	-
20	83	40	76	48	37	47	59	31		0.29	-
21	85	40	78	46	45	44	76	33		0.29	-
22	80	43	74	47	39	44	12	33		0.30	-
23	79	41	74	46	36	39	77	28		0.28	-
24	79	42	74	47	40	36	69	25		0.31	-
25	80	46	73	48	32	40	60	27		0.25	-
26	79	41	74	46	40	48	61	38		0.30	-
27	81	40	75	47	34	38	77	25		0.29	-
28	80	40	73	47	38	49	68	34		0.24	-
29	83	42	76	47	45	47	70	37		0.25	-
30	80	46	75	50	45	45	63	36		0.29	-
31	78	55	74	52	45	48	63	42		0.28	-
Tot:										9.86	0.00
Ave:											

+ Three days observation.

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Location Latitude 28°11', Longitude 68°04', in Agricultural Seed Farm, about 23 miles by road from Jhat Pat Railway Station.

Elevation

Period of record The station was established by the Project Director, Project Planning Southern Zone (old L.I.P) on 7.7.1964, and taken over by Surface Water Hydrology Project in December 1965.

Instruments
5" Non-recording rain gauge.
Maximum and Minimum air temperature thermometer.
Maximum and Minimum pan water temperature thermometer.
Wet and Dry bulb thermometers.
U.S. Weather Bureau Standard Evaporation pan.
Anemometer.
Pyrheliometer.

Annual figures

Precipitation	0.74 inches
Evaporation (Pan)	119.93 inches
Absolute maximum air temperature	123 °F
Absolute minimum air temperature	32 °F

Remarks Observations of precipitation, pan evaporation, maximum and minimum temperatures and wind travel are taken at 0800 hour and stand for 24 hours period preceding 0800 of the day.

Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Solar radiation is measured in langley's per day from midnight to midnight on the date shown. Blank space indicates no record. (-) indicates no precipitation.

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January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	68	39			14	18	38	15	267	14	0.09	-
2	69	35			21	21	42	14	395	19	0.11	-
3	67	32			25	35	56	34	381	27	0.10	-
4	67	33			25	32	62	28	381	16	0.10	-
5	68	34			26	32	63	29	395	15	0.09	-
6	67	35			29	33	64	31	282	21	0.10	-
7	68	38			34	32	68	29	339	14	0.07	-
8	69	41			34	28	68	22	268	22	0.10	-
9	72	41			36	39	75	30	367	14	0.10	-
10	76	42			41	36	66	26	395	13	0.11	-
11	76	51			42	45	62	49	198	20	0.13	-
12	68	45			46	42	69	34	339	15	0.10	-
13	73	37			32	58	66	44	438	35	0.13	-
14	73	36			26	41	63	41	339	19	0.13	-
15	68	37			25	37	50	29	424	14	0.10	-
16	74	39			27	43	57	39	381	18	0.10	-
17	73	39			27	43	50	37	409	12	0.10	-
18	74	39			33	45	74	38	424	10	0.11	-
19	73	40			30	45	59	38	438	21	0.11	-
20	75	40			28	50	52	48	339	11	0.12	-
21	72	42			30	49	54	43	254	11	0.12	-
22	75	44			35	53	62	43	325	9	0.11	-
23	76	43			41	63	84	64	381	9	0.11	-
24	78	45			33	62	56	58	381	11	0.12	-
25	79	47			39	55	65	51	198	15	0.14	-
26	76	47			41	40	71	26	367	28	0.13	-
27	79	44			28	38	48	27	311	88	0.24	-
28	75	40			31	37	60	58	353	16	0.17	-
29	77	41			30	50	59	46	381	5	0.18	-
30	73	42			37	50	76	46	409	19	0.13	-
31	74	44			37	45	59	36	395	20	0.11	-
Tot:											3.66	0.00
Ave:	73	40								19		

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	44			33	43	51	37	424	87	0.18	-
2	72	40			33	42	56	36	438	24	0.17	-
3	73	39			32	39	61	32	452	17	0.15	-
4	72	41			33	41	56	38	466	62	0.18	-
5	70	39			32	28	66	21	452	40	0.20	-
6	72	38			34	32	68	23	452	14	0.18	-
7	75	37			28	34	58	26	438	23	0.18	-
8	74	40			31	32	60	22	438	12	0.16	-
9	76	41			28	24	52	15	424	13	0.15	-
10	76	43			43	38	85	26	424	10	0.14	-
11	77	45			40	45	77	30	466	11	0.15	-
12	80	46			41	52	61	67	212	13	0.18	-
13	72	46			46	42	85	34	480	31	0.11	0.01
14	75	48			48	45	86	40	424	44	0.18	-
15	71	48			47	51	86	49	395	55	0.16	-
16	72	50			51	52	81	53	296	23	0.12	-
17	71	49			48	57	80	55	508	37	0.12	-
18	77	46			42	62	67	64	508	29	0.16	-
19	76	47			42	39	78	24	494	33	0.20	-
20	81	45			40	43	45	26	494	18	0.20	-
21	85	48			48	47	75	30	424	14	0.20	-
22	84	50			47	48	65	32	452	19	0.20	-
23	83	58			35	46	36	29	381	28	0.18	-
24	84	56			53	45	76	25	438	31	0.26	-
25	87	59			53	47	68	30	395	27	0.27	-
26	84	58			53	55	72	39	452	49	0.27	-
27	85	56			46	47	56	31	424	21	0.26	-
28	83	54			54	65	77	56	466	35	0.28	-
Tot:											5.19	0.01
Ave:	77	47								29		

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	84	52			48	70	65	61	452	19	0.35	-
2	87	53			52	68	87	58	452	10	0.30	-
3	88	54			48	66	70	43	466	6	0.28	-
4	93	57			46	65	56	44	452	6	0.30	-
5	93	55			46	53	60	22	367	7	0.34	-
6	100	54			47	61	65	36	522	9	0.30	-
7	94	56			53	70	72	51	508	9	0.29	-
8	94	61			55	58	69	29	508	3	0.33	-
9	98	58			53	57	68	27	522	7	0.34	-
10	99	58			52	49	53	19	536	5	0.35	-
11	101	60			55	50	64	18	536	3	0.34	-
12	101	60			52	42	53	15	536	7	0.35	-
13	101	63			52	45	53	17	551	17	0.36	-
14	101	63			50	49	48	19	508	18	0.30	-
15	102	61			48	45	47	19	536	10	0.30	-
16	101	63			57	42	65	15	395	15	0.29	-
17	100	62			58	59	66	23	551	12	0.23	-
18	100	65			59	57	66	33	536	28	0.33	0.06
19	92	65			60	58	70	35	565	35	0.30	-
20	92	64			60	57	67	33	522	17	0.29	-
21	93	66			63	54	72	26	536	55	0.37	-
22	95	62			59	62	74	34	551	14	0.27	-
23	98	66			62	57	71	30	395	47	0.39	-
24	94	69			63	61	72	36		41	0.23	-
25	93	67			62	58	75	35	466	52	0.34	0.24
26	93	55			53	57	68	34	664	76	0.40	-
27	90	60			48	56	53	29	593	9	0.31	-
28	94	58			59	58	74	35	607	46	0.30	-
29	94	62			57	59	74	31	593	22	0.30	-
30	96	60			56	56	78	31	593	22	0.34	-
31	94	62			59	64	29	33	607	24	0.36	-
Total											9.88	0.30
Avg.	95	60								21		

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	59			63	68	80	38	536	20	0.34	-
2	103	64			59	57	74	45	508	17	0.36	-
3	103	63			62	79	58	46	536	35	0.38	-
4	106	68			62	79	71	44	508	25	0.46	-
5	107	66			58	63	66	36	508	28	0.45	-
6	96	68			64	64	72	36	381	38	0.24	-
7	97	69			68	67	81	23	494	21	0.28	-
8	101	74			66	73	63	40	480	33	0.30	-
9	104	74			65	71	65	35	522	32	0.32	-
10	107	75			68	60	66	29	508	34	0.35	-
11	101	72			70	59	81	27	522	66	0.32	-
12	101	75			67	58	66	35	466	51	0.35	-
13	93	71			63	59	61	33	480	89	0.40	-
14	94	76			57	59	40	27	452	28	0.38	-
15	101	77			59	56	46	28	282	73	0.61	-
6	95	73			34	56	19	29	692	98	0.50	-
7	94	63			29	37	16	13	678	69	0.44	-
18	97	65			48	54	40	23	565	55	0.41	-
19	101	72			58	55	43	28	325	36	0.54	-
20	94	70			61	49	57	24	621	74	0.30	-
21	93	61			46	50	41	25	607	53	0.43	-
22	92	62			47	76	37	53	649	28	0.53	-
23	97	62			47	72	37	43	621	29	0.41	-
24	102	63			47	72	37	38	635	41	0.46	-
25	103	62			39	69	24	32	607	23	0.43	-
26	106	64			45	61	27	26	635	33	0.53	-
27	105	66			48	64	32	26	607	54	0.49	-
28	108	68			52	71	36	41	424	60	0.54	-
29	102	66			52	76	38	45	522	45	0.52	-
30	102	60			55	75	43	49	551	51	0.58	-
Tot:											12.65	0.00
Ave:	100+	68								45		

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May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	100	60			55	79	43	61	551	62	0.52	-
2	100	67			58	73	56	50	565	52	0.48	-
3	97	73			62	73	45	42	565	64	0.51	-
4	101	75			56	71	60	39	579	58	0.54	-
5	102	74			72	67	68	40	607	39	0.56	-
6	105	75			71	69	64	33	621	45	0.59	-
7	104	76			63	72	47	34	607	57	0.60	-
8	106	77			56	70	36	38	607	71	0.62	-
9	104	76			53	73	33	36	579	69	0.63	-
10	105	74			61	78	44	44	367	50	0.64	-
11	102	78			61	73	42	49	536	46	0.60	-
12	104	74			54	65	35	40	593	53	0.64	-
13	105	75			49	44	26	38	522	63	0.63	-
14	97	73			56	53	46	20	565	88	0.62	-
15	93	71			53	43	38	24	607	59	0.55	-
16	96	72			59	55	33	15	635	31	0.53	-
17	102	72			53	28	34	20	664	37	0.55	-
18	107	74			41	43	43	6	692	33	0.61	-
19	110	78			52	46	57	13	649	93	0.62	-
20	106	74			50	39	28	15	664	68	0.68	-
21	104	72			50	57	28	9	664	38	0.52	-
22	112	75			52	56	32	17	649	32	0.55	-
23	114	84			11	54	15	15	649	87	0.71	-
24	111	81			54	45	26	16	621	49	0.68	-
25	112	87			56	52	23	11	635	59	0.58	-
26	112	77			59	54	34	13	664	38	0.52	-
27	116	77			52	45	23	13	692	37	0.47	-
28	119	83			51	47	24	9	678	58	0.68	-
29	119	79			63	57	41	10	649	44	0.58	-
30	117	81			70	59	51	15	649	46	0.55	-
31	120	86			71	39	45	17	635	52	0.58	-
Tot:											18.14	0.00
Ave:	107	76								54		

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	116	80			73	63	57	23	649	64	0.57	-
2	110	82			65	55	40	18	607	53	0.51	-
3	110	82			67	21	45	4	692	56	0.55	-
4	112	76			57	35	33	8	706	32	0.54	-
5	113	80			49	39	24	9	649	52	0.57	-
6	113	81			59	48	33	12	692	49	0.55	-
7	115	81			57	64	33	22	678	44	0.54	-
8	115	82			48	53	22	21	664	44	0.55	-
9	115	78			67	40	49	9	593	42	0.54	-
10	115	75			67	54	52	14	664	35	0.56	-
11	117	75			74	60	68	19	678	35	0.50	-
12	113	78			75	61	65	20	649	44	0.52	-
13	112	81			74	57	30	19	664	47	0.60	-
14	109	82	105	78	74	59	57	22	664	58	0.58	-
15	108	78	106	80	74	59	60	23	678	65	0.53	-
16	107	80	103	81	76	73	66	34	635	61	0.58	-
17	109	82	102	79	74	76	60	37	635	63	0.51	-
18	110	83	102	81	82	76	74	38	621	69	0.59	-
19	111	83	102	80	83	91	81	33	649	63	0.57	-
20	119	82	110	77	81	75	77	17	664	54	0.63	-
21	120	82	110	78	77	61	63	16	664	53	0.61	-
22	123	84	107	76	79	89	67	40	664	74	0.65	-
23	121	83	107	77	76	88	63	41	621	51	0.66	-
24	119	83	106	77	77	67	63	23	607	81	0.68	-
25	115	85	108	80	76	64	58	22	649	56	0.64	-
26	114	80	108	76	75	63	60	21	664	53	0.60	-
27	114	79	106	78	73	63	62	22		70	0.59	-
28	112	84	108	81	75	74	65	39		65	0.59	-
29	106	84	104	81	77	76	67	41	494	76	0.54	-
30	105	83	101	80	75	77	57	42	522	65	0.49	-
Tot:											17.14	0.00
Ave:	113	81								56		

USTA MOHAMMAD

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	108	83	105	78	78	81	69	26	621	69	0.51	-
2	106	82	105	78	79	79	73	46	635	69	0.52	-
3	106	84	105	81	81	75	74	38	621	51	0.53	-
4	108	81	106	80	78	78	69	39	635	79	0.52	-
5	110	82	108	80	77	75	69	36	664	66	0.55	-
6	108	81	109	80	75	75	63	38	678	70	0.54	-
7	106	81	107	80	74	71	65	34	607	70	0.55	-
8	107	82	107	80	74	75	65	36	621	71	0.52	-
9	108	81	108	82	74	76	65	38	621	77	0.50	-
10	107	82	107	80	77	75	72	40	607	70	0.48	-
11	105	82	105	80	78	76	69	38	635	74	0.47	-
12	108	82	107	81	76	72	63	35	621	63	0.44	-
13	106	85	106	83	76	73	63	36	635	48	0.43	-
14	107	88	107	84	79	70	70	31	607	41	0.44	-
15	110	89	108	83	75	75	57	43	480	68	0.53	-
16	104	89	103	84	79	72	64	33	536	56	0.42	-
17	109	84	107	82	76	75	66	38	635	81	0.48	-
18	106	83	107	82	75	74	69	37	621	60	0.45	-
19	106	84	107	83	76	75	66	38	635	54	0.47	-
20	107	84	107	83	76	76	66	41	607	60	0.48	-
21	107	88	106	85	78	69	59	71	480	43	0.41	-
22	109	86	107	84	79	75	61	57	494	51	0.46	0.21
23	105	78	104	79	77	75	69	60	268	83	0.37	0.22
24	107	81	99	79	80	76	74	47	579	36	0.18	-
25	101	83	108	83	77	80	76	54	424	44	0.36	-
26	100	81	104	82	77	77	76	45	522	42	0.30	-
27	103	84	107	83	77	75	67	43	536	39	0.32	-
28	103	82	107	80	78	74	73	44	551	67	0.35	-
29	104	82	106	81	77	75	72	49	494	72	0.36	-
30	99	85	100	81	79	77	70	47	565	48	0.32	-
31	104	81	105	80	76	74	72	44	593	69	0.37	-
Total											13.63	0.43
Avg:	106	83	106	81						61		

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	81	104	81	76	74	72	42	593	60	0.34	–
2	103	82	105	81	76	73	72	42	508	60	0.32	–
3	102	81	105	80	75	75	69	46	522	66	0.35	–
4	101	83	105	80	77	76	69	47	551	48	0.33	–
5	102	81	104	81	78	75	69	46	536	68	0.34	–
6	101	79	102	74	77	75	79	49	522	77	0.32	–
7	100	78	105	78	76	74	79	44	565	69	0.31	–
8	101	80	104	77	78	75	79	46	536	60	0.30	–
9	101	80	106	78	79	76	80	47	536	64	0.31	–
10	103	82	107	81	77	79	72	50	565	54	0.32	–
11	103	80	106	79	76	77	75	49	536	67	0.42	–
12	99	79	103	80	76	74	79	51	508	77	0.42	–
13	98	79	103	79	75	75	79	53	508	74	0.36	–
14	96	81	101	79	74	74	71	46	522	73	0.35	–
15	99	81	103	80	77	73	72	44	551	57	0.36	–
16	100	82	105	82	77	73	69	40	522	60	0.41	–
17	104	81	105	80	75	75	72	46	551	64	0.42	–
18	99	78	104	78	73	76	71	51	536	69	0.40	–
19	99	78	104	78	73	74	71	48	565	68	0.34	–
20	98	78	103	78	72	72	71	45	565	63	0.36	–
21	98	79	101	78	73	72	71	43	551	66	0.34	–
22	99	81	101	79	74	73	71	48	565	53	0.34	–
23	97	79	98	78	73	79	65	52	565	72	0.35	–
24	102	81	100	75	79	75	76	50	579	34	0.41	–
25	102	81	101	79	77	75	76	49	579	52	0.42	–
26	100	80	100	78	76	75	72	46	565	43	0.40	–
27	100	78	101	76	75	73	75	42	593	68	0.38	–
28	101	77	102	78	73	74	62	46	579	31	0.43	–
29	101	78	102	77	72	74	59	46	593	49	0.40	–
30	101	77	104	77	73	77	68	49	579	42	0.41	–
31	102	77	102	78	76	75	72	49	579	47	0.41	–
Tot:											11.37	0.00
Ave:	100	80	103	79						60		

USTA MOHAMMAD

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	100	76	102	78	74	77	71	51	565	48	0.39	-
2	101	76	103	77	73	75	75	46	565	54	0.40	-
3	101	76	103	77	67	75	45	46	551	47	0.34	-
4	101	78	103	77	74	77	78	49	565	41	0.32	-
5	102	77	103	78	75	75	75	46	579	42	0.35	-
6	100	76	101	78	75	72	79	43	565	44	0.35	-
7	101	76	103	78	75	74	72	48	551	45	0.34	-
8	99	81	101	78	77	70	69	41	508	41	0.35	-
9	100	79	101	79	79	70	76	41	480	39	0.36	-
10	100	79	103	79	77	71	76	41	522	55	0.37	-
11	101	79	103	78	76	73	69	42	508	42	0.38	-
12	102	80	103	78	80	75	76	46	508	57	0.40	-
13	100	80	102	78	81	72	80	40	508	47	0.39	-
14	103	78	104	77	63	75	80	40		42	0.41	-
15	106	70	103	69	37	54	22	23	494	63	0.45	-
16	103	74	93	61	46	64	27	35	466	51	0.42	-
17	100	77	96	65	75	55	75	33	452	35	0.34	-
18	102	74	101	76	70	61	61	28	480	32	0.33	-
19	105	70	98	72	71	59	74	27	494	34	0.35	-
20	101	71	100	72	69	62	70	31	494	35	0.33	-
21	102	73	100	71	69	64	70	33	494	47	0.36	-
22	102	71	99	72	69	69	67	39	508	38	0.32	-
23	102	72	100	73	69	67	73	30	494	36	0.31	-
24	108	72	101	72	73	76	82	51	494	42	0.36	-
25	101	71	99	72	73	73	86	48	480	58	0.30	-
26	105	70	100	68	73	71	82	45	480	54	0.29	-
27	107	72	101	70	73	73	82	50	494	47	0.30	-
28	108	75	99	72	73	72	78	47	508	35	0.27	-
29	103	73	101	71	72	73	82	48	452	48	0.30	-
30	102	74	100	72	73	72	82	47	480	29	0.32	-
Tot:											10.50	0.0
Ave:	102	75	101	74						44		

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	78	102	70	71	70	74	47	494	41	0.31	-
2	101	72	101	71	69	67	73	41	452	63	0.28	-
3	99	70	100	68	69	69	70	42	466	33	0.29	-
4	100	70	98	69	68	74	70	55	480	63	0.30	-
5	98	72	97	72	69	74	70	52	480	47	0.31	-
6	100	71	97	72	70	68	74	42	494	32	0.30	-
7	102	68	97	68	65	70	65	44	480	31	0.32	-
8	102	65	97	68	65	72	69	49	494	33	0.32	-
9	101	65	95	68	64	70	72	44	480	23	0.27	-
10	101	66	96	68	65	73	72	48	480	33	0.28	-
11	101	62	96	66	66	68	85	42	494	31	0.27	-
12	102	66	95	66	65	69	72	50	480	29	0.27	-
13	93	67	92	69	65	68	69	45	508	52	0.28	-
14	94	69	93	70	67	67	73	45	494	31	0.25	-
15	97	72	95	71	70	63	74	36	466	33	0.25	-
16	98	69	96	70	64	67	65	49	452	49	0.27	-
17	90	72	90	71	65	67	65	47	480	47	0.26	-
18	93	70	93	71	66	63	69	38	494	30	0.27	-
19	98	67	96	69	64	64	68	36	494	30	0.24	-
20	99	66	95	68	61	63	67	36	452	28	0.25	-
21	98	66	96	67	60	62	67	34	480	17	0.26	-
22	97	65	97	66	60	62	63	37	480	15	0.27	-
23	96	66	95	65	54	56	54	31	466	9	0.28	-
24	97	67	96	65	54	58	57	32	409	14	0.27	-
25	95	65	94	66	52	59	50	31	424	37	0.26	-
26	98	61	96	60	53	59	60	31		69	0.32	-
27	99	61	95	59	51	56	59	28		31	0.29	-
28	98	58	92	64	53	56	60	31	452	35	0.30	-
29	94	66	90	65	61	59	71	34	466	53	0.27	-
30	94	66	91	65	59	57	62	33	438	15	0.28	-
31	92	64	91	66	63	60	72	34	466	44	0.26	-
Tot:											8.65	0.00
Ave:	98	66	95	68						35		

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in inches	Rain in inches
1	97	62	92	65	55	59	51	58	466	29	0.30	-
2	98	62	91	65	53	55	47	28	452	26	0.27	-
3	97	65	92	66	59	58	62	32	381	25	0.25	-
4	94	66	91	66	61	59	71	34	367	31	0.22	-
5	96	64	91	65	61	58	71	35	381	36	0.23	-
6	96	63	90	64	61	65	71	46	353	26	0.22	-
7	93	61	88	62	56	63	73	41	339	25	0.21	-
8	94	60	94	58	57	62	69	45	339	14	0.22	-
9	93	59	89	60	56	63	65	47	353	18	0.21	-
10	93	63	87	62	55	54	61	32	367	22	0.20	-
11	91	62	87	61	54	57	60	37	339	25	0.20	-
12	90	60	86	59	53	54	64	32	339	19	0.21	-
13	90	58	85	60	52	54	63	35	325	22	0.19	-
14	87	56	85	58	55	58	73	43	353	26	0.17	-
15	85	56	84	59	53	55	68	39	353	22	0.19	-
16	84	56	83	58	50	53	62	30	367	25	0.18	-
17	83	55	83	57	49	53	61	30	339	21	0.18	-
18	83	56	81	59	51	52	72	36	353	20	0.17	-
19	87	60	82	57	40	52	37	38	367	33	0.20	-
20	82	46	75	45	31	51	46	39	381	91	0.34	-
21	82	48	74	45	52	51	43	41	367	31	0.18	-
22	78	42	74	46	28	53	48	45	353	22	0.20	-
23	78	39	74	45	26	51	42	41	367	13	0.14	-
24	79	40	72	46	30	54	54	43	353	18	0.16	-
25	81	38	73	45	30	52	54	38	353	15	0.15	-
26	85	41	73	46	32	53	61	45	339	12	0.14	-
27	79	42	73	46	29	51	53	47	353	14	0.14	-
28	75	42	72	47	29	52	53	50	339	13	0.15	-
29	75	42	72	48	35	53	62	47	353	20	0.16	-
30	77	42	73	47	29	51	53	41	353	14	0.15	-
Tot:											5.93	0.00
Ave:	87	54	82	56						24		

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Solar Radiation Langley's	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	80	42	72	48	30	50	54	46	367	13	0.14	-
2	75	43	72	47	35	53	62	47	339	13	0.12	-
3	78	46	72	48	37	52	54	42	325	12	0.10	-
4	80	49	74	53	38	51	55	41	339	15	0.11	-
5	80	48	74	52	41	54	66	43	367	17	0.12	-
6	82	48	75	51	40	56	65	46	367	15	0.11	-
7	82	47	76	50	46	58	85	48	339	13	0.11	-
8	84	49	77	52	46	56	74	52	325	14	0.13	-
9	79	49	74	53	49	58	86	50	339	11	0.10	-
10									353			-
11									339			-
12									353			-
13	82	46	78	48	43	54	73	43	353	41*	0.33*	-
14	81	44	77	46	41	51	71	41	339	18	0.11	-
15	79	45	74	46	41	55	77	43	325	13	0.09	-
16	80	43	75	47	41	49	84	37	353	13	0.10	-
17	82	42	73	46	35	47	62	35	339	14	0.10	-
18	80	42	74	47	36	51	69	41	325	22	0.11	-
19	80	41	72	46	26	48	42	38	353	21	0.12	-
20	81	40	73	46	39	54	84	46	339	14	0.11	-
21	78	41	72	47	34	55	68	51	353	12	0.10	-
22	78	42	71	47	36	52	69	50	325	13	0.10	-
23	74	40	70	47	34	54	68	51	268	16	0.10	-
24	76	42	71	47	39	52	84	53	339	12	0.10	-
25	74	43	70	47	41	51	84	49	325	10	0.09	-
26	74	42	71	48	40	53	84	47	353	11	0.10	-
27	77	42	72	48	43	52	92	44	353	11	0.10	-
28	76	43	71	48	38	52	76	53	311	13	0.10	-
29	73	44	69	48	40	52	77	50	212	21	0.10	-
30	75	46	70	49	45	52	85	53	339	9	0.10	-
31	74	48	70	51	41	52	66	50	339	12	0.08	-
Tot:											3.19	0.00
Ave:										14		

* Four days observation.

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Location	Latitude 25°48', Longitude 66°38', on Karachi-Quetta highway nearly 80 miles from Karachi.
Elevation	130 ± ft msl.
Period of record	Station established by Surface Water Hydrology Project WAPDA in March 1965.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Maximum and Minimum pan water temperature thermometers. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan. Dines' Pressure Tube Anemograph.
Annual figures	Precipitation Data incomplete Evaporation (Pan) Data incomplete Absolute maximum air temperature 111 °F Absolute minimum air temperature 39 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. The wind travel record computed from Dines' Pressure Tube graphs is shown separately. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	72	41	67	40	29	49	53	51		0.20	-
2	72	41	67	39	20	51	37	52		0.22	-
3	73	42	68	40	32	51	61	52		0.20	-
4	73	41	68	40	31	49	60	51		0.18	-
5	77	40	73	42	37	45	76	36		0.18	-
6	78	39	74	41	36	44	75	35		0.19	-
7	78	40	73	43	39	43	84	32		0.18	-
8	79	39	74	42	38	41	83	30		0.18	-
9	80	40	75	44	38	36	76	25		0.17	-
10	81	39	74	42	37	41	76	30		0.16	-
11	80	40	73	43	35	39	68	28		0.17	-
12	80	41	74	44	40	35	77	23		0.20	-
13	80	40	75	42	41	28	77	18		0.29	-
14	80	40	75	43	38	22	70	12		0.24	-
15	81	42	73	44	41	24	84	13		0.19	-
16	82	46	77	45	37	38	64	26		0.19	-
17	79	47	73	49	39	39	65	24		0.14	-
18	84	50	79	54	43	37	67	23		0.18	-
19	84	50	81	54	42	43	62	31		0.22	-
20	86	48	82	51	43	37	73	23		0.23	-
21	84	50	82	51	43	43	67	31		0.20	-
22	84	48	81	51	43	43	73	29		0.18	-
23	86	46	81	49	45	40	85	26		0.21	-
24	86	49	82	52	46	39	74	24		0.23	-
25	84	52	81	51	46	47	69	37		0.22	-
26	80	54	80	52	49	40	75	27		0.18	-
27	82	54	83	53	47	46	69	33		0.22	-
28	84	48	83	51	45	40	73	26		0.23	-
29	84	46	83	46	37	33	59	21		0.24	-
30	81	50	78	51	43	56	67	46		0.22	-
31	83	54	82	56	55	53	77	45		0.21	-
Tot:										6.25	0.00
Ave:	81	45	76	47							

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	82	53	78	47	25	37	32	24		0.43	-
2	78	46	74	47	46	42	85	28		0.31	-
3	80	48	77	49	41	37	61	24		0.26	-
4	78	50	76	45	43	18	67	11		0.33	-
5	78	44	77	45	40	7	65			0.26	-
6	81	48	78	46	42	29	62	16		0.27	-
7	80	48	77	46	38	19	55	10		0.26	-
8	82	51	79	48	34	37	44	23		0.28	-
9	84	46	79	46	35	39	45	24		0.29	-
10	83	48	80	47	24	47	27	35		0.28	-
11	84	56	83	47	46	48	60	33		0.24	-
12	84	56	85	57	51	57	66	78		0.23	-
13	78	52	74	51	42	39	58	28		0.15	0.09
14	75	46	75	46	45	37	63	24		0.25	-
15	80	53	78	50	45	47	59	37		0.29	-
16	80	51	73	52	50	51	81	52		0.21	-
17	70	44	68	46	39	22	70	12		0.10	-
18	82	47	81	48	45	38	73	21		0.22	-
19	84	52	83	52	49	39	75	19		0.24	-
20	87	52	84	53	49	41	75	20		0.27	-
21	89	54	85	55	51	42	76	23		0.30	-
22	86	59	81	59	57	47	78	25		0.22	-
23	89	64	86	65	59	58	74	48		0.24	-
24	86	64	86	63	59	60	74	48		0.32	-
25	87	62	88	62	60	56	79	44		0.29	-
26	87	59	86	60	60	58	84	45		0.27	-
27	87	65	87	65	61	49	75	29		0.25	-
28	88	63	88	62	61	49	79	26		0.26	-
Tot:										7.32	0.09
Ave:	82	53	80	52							

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M.	Dew Point 5 P.M.	Relative Humidity Percent 8 A.M.	Relative Humidity Percent 5 P.M.	Wind Movement Miles	Evaporation in inches	Rain in inches
1	91	57	89	60	59	47	89	25		0.28	-
2	89	54	88	56	57	53	83	31		0.29	-
3	89	55	87	56	57	50	83	54		0.30	-
4	94	58	88	58	56	83	73	17		0.32	-
5	97	51	90	54	53	44	87	20		0.35	-
6	93	55	87	57	57	47	94	23		0.33	-
7	93	59	90	60	58	51	83	26		0.36	-
8	95	57	92	59	57	47	83	20		0.39	-
9	99	59	92	60	58	53	83	27		0.40	-
10	103	60	93	61	59	47	83	20		0.43	-
11	102	61	96	62	59	49	83	19		0.45	-
12	104	62	95	63	59	47	79	18		0.46	-
13	102	61	95	62	59	50	83	20		0.45	-
14	102	62	95	63	59	50	79	20		0.42	-
15	102	62	95	62	61	50	84	22		0.43	-
16	98	64	91	65	62	63	84	36		0.44	-
17	93	66	88	68	66	59	90	34		0.32	-
18	94	67	93	68	65	62	85	45		0.32	-
19	88	70	90	70	69	63	90	43		0.33	-
20	91	69	94	68	67	61	85	4[illegible]		0.36	-
21	96	64	95	66	63	59	84	34		0.37	-
22	97	67	92	68	67	64	90	48		0.37	-
23	92	70	93	71	68	65	85	44		0.37	-
24	94	72			70	69	86	58		0.37	-
25	93	71	96	71	69	61	81	47		0.37	-
26	90	65	94	64	62	58	75	39		0.40	-
27	95	63	92	62	58	55	70	34		0.42	-
28	95	60	90	60	57	48	78	24		0.42	-
29	98	60	92	59	57	49	78	24		0.46	-
30	101	60	93	58	57	49	78	24		0.46	-
31	100	58	91	59	56		78			0.52	-
Tot:										11.96	0.00
Ave:	96	62									

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	101	63			61	51	84	21		0.45	-
2	104	66			63	51	80	21		0.45	-
3	104	68	97	67	66	55	80	27		0.46	-
4	101	72	95	70	70	69	86	50		0.48	-
5	96	75	95	73	65	65	65	38		0.42	-
6	105	78	95	72	69	64	67	36		0.50	-
7	102	72	95	69	70	59	81	28		0.52	-
8	103	70	97	69	68	62	77	29		0.49	-
9	108	70	98	69	70	60	81	29		0.56	-
10	109	75	96	71	70	60	74	29		0.61	-
11	104	76	97	72	69	59	70	28		0.52	-
12	102	75	97	73	65	62	65	31		0.43	-
13	103	74	100	72	64	58	65	26		0.48	-
14	102	70	99	69	63	55	64	24		0.48	-
15	102	69	99	70	69	57	61	25		0.45	-
16	103	71	100	69	62	55	58	24		0.56	-
17	105	72	102	69	64	59	59	27		0.62	-
18	104	71	102	70	62	59	55	27		0.50	-
19	103	70	103	68	60	58	48	26		0.53	-
20	104	69	104	66	62	54	52	23		0.54	-
21	107	69	105	68	61	59	51	26		0.82	-
22	104	70	102	71	65	57	62	25		0.68	-
23	104	68			68	52	66	23		0.62	-
24	103	67	97	65	68	60	66	34		0.56	-
25	100	65	95	66	68	50	73	23		0.52	-
26	100	69	98	69	70	52	81	25		0.49	-
27	100	74	98	72	72	66	78	37		0.51	-
28	100	75	98	72	73	67	75	45		0.50	-
29	96	76	95	74	72	68	71	45		0.51	-
30	98	74	95	72	72	67	74	43		0.50	-
Tot:										15.76	0.00
Ave:	103	71									

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	99	73	96	72	72	66	78	39		0.50	-
2	100	70	97	70	67	68	69	45		0.51	-
3	97	74	94	72	72	67	74	43		0.50	-
4	99	73	99	73	72	66	78	37		0.52	-
5	101	74	101	73	73	66	78	39		0.50	-
6	102	72	98	70	72	65	78	16		0.49	-
7	95	75	95	74	75	71	79	51		0.44	-
8	97	79	98	75	77	77	79	58		0.44	-
9	98	80	99	78	77	79	76	61		0.50	-
10	99	82	100	78	79	77	80	61		0.46	-
11	98	76	97	74	75	72	79	43		0.50	-
12	104	80	99	78	78	68	83	38		0.48	-
13	104	75	100	74	60	42	48	15		0.50	-
14	99	66	90	65	74	49	46	21		0.54	-
15	99	74	90	69	71	65	74	38		0.51	-
16	100	71	97	70	67	66	66	39		0.50	-
17	101	76	99	74	70	67	67	37		0.50	-
18	102	79	102	76	72	63	68	26		0.50	-
19	110	73	101	73	70	65	67	26		0.54	-
20	111	73	102	68	64	64	55	29		0.70	-
21	107	72	96	70	76	69	83	39		0.62	-
22	103	77	99	74	74	73	75	52		0.57	-
23	100	81	100	78	76	69	75	37		0.50	-
24	105	82	104	77	74	70	68	41		0.51	-
25	103	82	102	79	76	72	75	45		0.52	-
26	100	80	102	77	77	71	79	45		0.50	-
27	102	80	102	77	75	71	75	45		0.51	-
28	101	80	102	78	75	73	75	50		0.51	-
29	99	81	101	78	75	75	72	55		0.50	-
30	99	81	101	79	75	74	72	55		0.50	-
31	99	81	101	79	76	75	75	55		0.51	-
Tot:										15.37	0.00
Ave:	101	77	99	74							

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	98	81	99	78	73	77	68	63		0.52	-
2	96	80	97	77	74	71	71	51		0.50	-
3	96	74	98	74	70	72	67	49		0.40	0.13
4	98	75	100	73	72	69	71	44		0.45	-
5	98	75	102	72	72	72	74	43		0.50	-
6	102	79	101	77	77	74	83	42		0.52	-
7	106	81	102	78	78	76	79	53		0.53	-
8	103	82	102	79	77	77	76	61		0.52	-
9	97	81	100	78	78	77	83	61		0.50	-
10	97	81	101	78	78	78	79	59		0.50	-
11	100	83	102	80	79	76	80	53		0.52	-
12	100	81	102	78	78	77	79	58		0.53	-
13	98	81	101	79	78	76	79	60		0.51	-
14	96	81	100	78	78	78	79	67		0.49	-
15	95	83	97	79	79	77	80	61		0.45	-
16	97	82	100	78	77	77	76	63		0.47	-
17	96	81	99	79	79	78	83	64		0.49	-
18	96	83	100	80	79	77	80	58		0.45	-
19	99	84	103	80	80	77	80	54		0.49	-
20	102	85	104	80	80	77	73	54		0.51	-
21	103	85	105	80	70	78	76	59		0.48	-
22	103	80	104	80	80	77	83	56		0.47	-
23	104	83	104	80	78	78	80	59		0.48	-
24	102	85	104	80	80	79	80	59		0.50	-
25	102	83	103	79	81	78	80	59		0.50	-
26	100	80	102	78	80	77	83	58		0.51	-
27	98	80	100	78	79	77	87	61		0.49	-
28	97	81	100	78	80	77	83	61		0.48	-
29	97	82	101	79	79	78	80	64		0.43	-
30	96	82	100	78	79	78	80	67		0.43	-
Tot:										14.62	0.13
Ave:	99	81	101	78							

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	95	81	101	78	78	77	79	61		0.41	-
2	97	82	102	79	79	77	80	58		0.40	-
3	98	82	102	78	79	77	80	58		0.44	-
4	98	82	102	79	79	77	80	61		0.46	-
5	96	81	100	78	78	77	79	58		0.45	-
6	97	82	100	77	77	77	76	61		0.45	-
7	96	81	98	77	78	77	79	61		0.43	-
8	96	81	99	78	78	77	79	61		0.40	-
9	96	81	99	78	77	76	76	60		0.45	-
10	95	82	97	79	76	76	76	58		0.41	-
11	96	83	99	79	79	77	80	61		0.40	-
12	96	83	99	79	81	78	84	59		0.40	-
13	98	83	102	80	81	79	84	56		0.43	-
14	100	83	104	80	81	81	84	62		0.48	0.02
15	100	84	104	82	81	74	84	55		0.50	-
16	96	84	98	82	80	78	80	56		0.47	-
17	100	82	102	79	79	76	80	53		0.46	-
18	100	82	103	78	79	78	80	64		0.46	-
19	94	82	96	78	78	77	79	63		0.40	-
20	94	80	95	77	73	77	79	58		0.42	-
21	98	82	101	80	77	77	76	63		0.40	-
22	96	83	96	80	79	64	80	60		0.30	-
23	101	78	99	78	81	63	91	91		0.46	1.43
24	92	79	95	79	80	63	96	87		0.23	0.62
25	89	79	93	78	79	63	87	69		0.19	-
26	90	79	91	78	77	77	87	69		0.20	-
27	90	81	92	77	75	75	75	69		0.23	-
28	92	80	92	76	76	77	79	66		0.24	-
29	93	80	94	76	77	76	83	69		0.28	-
30	91	80	95	77	77	77	83	65		0.29	-
31	93	81	98	77	75	77	75	72		0.33	-
Tot:										11.87	2.07
Ave:	96	81	98	78							

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	93	80	99	77	76	77	83	69		0.33	-
2	94	80	102	80	77	76	83	66		0.34	-
3	100	81	102	80	77	77	79	69		0.29	-
4	100	80	101	80	76	73	79	68		0.30	-
5	101	81	100	78	75	73	75	62		0.20	-
6	103	71	101	75	77	78	91	91		0.30	-
7	102	72	102	76	76	74	83	65		0.20	-
8	102	71	103	77	75	75	65	69		0.30	-
9	103	72	104	77	75	74	65	60		0.32	-
10	102	73	103	78	74	75	57	69		0.32	-
11	102	73	104	79	77	76	69	66		0.23	-
12	102	72	104	75	72	74	59	65		0.30	-
13	101	72	100	75	75	78	83	69		0.20	-
14	102	73	101	76	77	78	91	87		0.30	-
15	103	74	101	77	77	78	91	87		0.32	-
16	104	73	105	76	74	72	78	62		0.40	-
17	103	74	104	78	74	74	86	65		0.40	-
18	101	73	102	77	74	73	83	65		0.30	-
19	102	72	105	78	73	72	78	65		0.30	-
20	102	73	102	76	71	73	74	68		0.31	-
21	102	73	102	78	72	71	82	61		0.30	-
22	103	74	105	79	71	71	82	58		0.31	-
23	103	73	108	79	72	70	78	55		0.35	-
24	104	74	110	78	73	67	82	49		0.40	-
25	110	74	110	78	74	73	83	65		0.40	-
26	103	74	109	78	74	72	86	65		0.40	-
27	103	74	110	78	72	73	82	65		0.40	-
28	103	74	108	78	72	73	82	65		0.34	-
29	104	73	110	77	74	69	91	70		0.43	-
30	103	73	110	78	75	73	91	65		0.40	-
31	103	73	110	77	74	73	87	65		0.30	-
Tot:										9.99	0.00
Ave:	102	74	104	78							

UTHAL

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	102	73	109	76	76	65	82	49		0.32	-
2	103	73	108	76	74	73	82	74		0.40	-
3	104	73	110	77	74	73	83	65		0.30	-
4	103	74	109	76	74	70	91	74		0.40	-
5	104	73	110	75	67	67	66	63		0.40	-
6	103	75	109	76	72	78	78	87		0.40	-
7	104	76	110	77	77	78	87	91		0.43	-
8	103	76	109	78	77	78	91	91		0.41	-
9	104	77	110	79	76	75	83	83		0.40	-
10	102	78	109	78	77	78	91	91		0.42	-
11	103	74	110	78	76	72	65	65		0.41	-
12	102	75	108	77	70	68	61	60		0.42	-
13	101	76	110	78	75	73	72	71		0.43	-
14	102	77	110	78	70	71	61	68		0.44	-
15	101	78	109	78	74	72	75	65		0.43	-
16	102	77	110	79	73	72	65	65		0.44	-
17	103	76	108	80	69	67	58	54		0.50	-
18	103	75	108	80	73	72	65	65		0.32	-
19	110	60	107	60	71	71	82	61		0.32	-
20	103	60	107	79	73	70	91	61		0.53	-
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Tot:											
Ave:											

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26						67		43			
27					66	61	63	42			
28	100	70	91	68	63	64	58	48		0.36	-
29	94	70	90	66	70	64	81	44		0.34	-
30	96	71	91	64	60	56	67	32		0.31	-
31	96	66	91	63	56	69	55	55		0.30	-
Tot:											
Ave:											

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	96	72	91	64	68	68	81	50		0.27	-
2	96	74	92	69	69	70	81	61		0.27	-
3	94	72	93	71	68	70	81	61		0.28	-
4	94	72	94	65	68	68	85	50		0.24	-
5	92	72	91	69	68	57	81	37		0.25	-
6	92	68	90	66	65	54	64	52		0.26	-
7	98	64	98	63	53	57	47	27		0.32	-
8	100	65	90	62	52	58	50	29		0.31	-
9	100	62	90	61	49	53	40	24		0.32	-
10	100	62	89	62	50	55	46	27		0.29	-
11	96	66	89	62	49	53	51	30		0.25	-
12	96	64	87	62	53	64	56	48		0.30	-
13			89	63	65	58	76	35		0.24	-
14	94	66	88	63	59	65	70	49		0.28	-
15	92	64	88	63	51	38	56	15		0.25	-
16	98	60	87	60	47	61	57	44		0.27	-
17	90	60	85	57	46	55	56	28		0.26	-
18	92	59	75	58	46	60	53	46		0.30	-
19	92	60	86	57	41	49	46	29		0.25	-
20	88	62	81	53	21	59	16	51		0.28	-
21	86	65	81	56	50	52	46	36		0.26	-
22	89	57	81	52	50	25	62	10		0.24	-
23	90	52	82	50	47	62	57	45		0.22	-
24	90	49	80	49	42	60	67	46		0.22	-
25	92	47	79	45	40	47	65	25		0.23	-
26	91	48	82	48	28	49	29	29		0.27	-
27	89	48	78	49	34	67	44	29		0.21	-
28	85	54	77	50	47	57	69	42		0.20	-
29	87	52	80	51	40	72	56	34		0.22	-
30			81	52	44	52	48	30		0.20	-
Tot:										7.76	0.00
Ave:			86	58							

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	86	52	79	53	40	54	48	37		0.20	-
2	90	59	81	54	49	56	54	44		0.21*	-
3	90	60	82	57	41	52	49	36		0.23	-
4	88	60	77	55	44	60	51	46		0.19	-
5	90	58	81	54	53	61	76	47		0.17	-
6	90	58	82	57	50	57	76	40		0.20	-
7	90	56	82	55	46	61	64	47		0.18	-
8	90	54	82	54	47	59	61	40		0.18	-
9	90	54	83	54	45	59	59	40		0.18	-
10	88	52	81	54	45	57	68	38		0.20	-
11	88	50	80	51	34	54	44	41		0.21	-
12	88	48	79	47	36	56	53	40		0.20	-
13	86	52	77	46	38	52	60	36		0.18	-
14	84	52	82	50	41	58	61	48		0.18	-
15	84	50	82	50	43	59	63	46		0.16	-
16	86	50	78	50	41	61	61	44		0.16	-
17	88	52	79	50	35	61	49	47		0.17	-
18	88	52	78	49	29	62	38	50		0.16	-
19	88	48	78	49	38	63	60	46		0.15	-
20	90	50	79	50	38	61	60	49		0.17	-
21	88	50	79	50	36	65	53	51		0.17	-
22	88	48	78	50	38	62	60	50		0.16	-
23	88	48	78	50	38	61	60	51		0.17	-
24	86	50	82	47	41	60	61	46		0.17	-
25	88	52	78	51	41	64	61	48		0.15	-
26	88	50	77	50	38	63	60	53		0.17	-
27	88	50	78	50	39	62	65	58		0.15	-
28	82	50	73	50	38	54	60	41		0.14	-
29	82	50	78	50	51	52	76	38		0.12	-
30	84	58	82	58	57	50	76	33		0.14	-
31	84	52	80	54	45	47	60	30		0.16	-
Tot:										5.38	0.00
Ave:	87	52	80	52							

* Estimated evaporation.

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Location	Latitude 32°34', Longitude 73°29', in canal Rest House Wasu near Mandi Bahaud-Din.
Elevation	700 ± ft msl.
Period of record	February 1962 to date, station established by Surface Water Hydrology Project WAPDA.
Instruments	5" Non-recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers. U.S. Weather Bureau Standard Evaporation pan.
Annual figures	Precipitation 13.54 inches Evaporation (Pan) 80.66 inches Absolute maximum air temperature 111 °F Absolute minimum air temperature 34 °F
Remarks	Observations of precipitation, pan evaporation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record. (-) indicates no precipitation.

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	63	44			36	28	58	29		0.09	-
2	65	37			35	35	82	34		0.08	-
3	65	36			31	35	40	36		0.07	-
4	66	34			32	40	81	45		0.07	-
5	64	36			29	32	53	32		0.07	-
6	65	41			37	38	83	47		0.08	-
7	62	41			41	[illegible]	77	42		0.05	-
8	63	[illegible]			36	44	69	45		0.05	-
9	67	41			43	35	85	32		0.06	-
10	69	45			28	41	57	41		0.11	-
11	69	39			30	3	59	10		0.11	-
12					40	37	71	50		0.09	-
13	59	49			38	40	55	45		0.05	0.10
14	63	54			46	54	64	73		0.03	0.09
15	65	46			11	54	17	68		0.09	-
16	65	42			38		76			0.09	-
17					12		19			0.10	-
18	66	41			49	49	70	54		0.11	-
19	66	36			37	44	76	42		0.07	-
20	70	42			33	34	56	27		0.14	-
21	70	40			38	46	76	56		0.13	-
22	63	39			38	43	70	39		0.05	-
23	70	45			40	42	56	34		0.09	-
24	73	47			45	45	79	46		0.09	-
25	69	49			46	51	74	66		0.07	-
26	63	52			50	52	76	67		0.05	-
27	63	49			45	45	73	63		0.04	0.09
28	64	40			40	32	84	28		0.07	0.06
29	70	41			41	45	71	46		0.10	-
30	69	41			39	39	77	32		0.07	-
31	71	42			39	46	63	64		0.12	-
Tot:										2.49	0.34
Ave:											

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	58	47			52	38	93	94		0.02	0.27
2	62	43			39	45	55	52		0.09	-
3	66	36			40	37	84	37		0.10	-
4	65	40			44	37	85	35		0.08	-
5	67	39			39	39	77	34		0.09	-
6	70	38			37	32	76	26		0.10	-
7	69	35			35	34	74	29		0.11	-
8	69	40			31	34	42	29		0.10	-
9	71	45			29	41	41	41		0.14	-
10	68	42			42	43	72	41		0.07	-
11	69	46			40	40	65	35		0.10	-
12	69	48			43	46	73	53		0.09	-
13	67	51			49	52	75	67		0.08	0.04
14					50	49	81	58		0.02	0.36
15	64	50			51	54	87	73		0.07	0.03
16	69	54			50	54	76	88		0.08	0.04
17	58	47			55	53	94	60		0.04	0.20
18	67	44			49	44	80	42		0.11	-
19	69	43			43	40	67	37		0.13	-
20	69	44			41	40	61	35		0.14	-
21	72	43			45	55	79	73		0.14	-
22	67	46			50	48	81	42		0.06	-
23	75	51			49	53	80	60		0.11	-
24	69	52			54	49	77	54		0.06	-
25	71	52			52	50	71	46		0.10	-
26	73	58			47	54	57	73		0.16	-
27	70	52			52	48	87	53		0.07	0.09
28	77	52			44	41	55	30		0.14	-
Tot:										2.66	1.03
Ave:											

* Estimated evapotation.

WASU

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	76	44			44	49	51	40		0.18	-
2	79	50			49	50	80	37		0.15	-
3	79	50			50	52	62	30		0.18	-
4	81	57			50	53	48	34		0.18	-
5	85	50			49	54	66	41		0.19	-
6	83	58			55	57	73	42		0.19	-
7	83	56			56	46	73	27		0.22	-
8	85	55			51	44	59	24		0.22	-
9	88	51			53	54	56	35		0.32	-
10	87	55			57	52	65	28		0.17	-
11	92	53			54	53	46	31		0.25	-
12	91	58			51	59	59	37		0.19	-
13	90	56			53	56	60	32		0.20	-
14	90	61			57	65	65	46		0.17	-
15	89	59			60	63	79	46		0.20	-
16	88	59			61	70	79	61		0.18	-
17	88	63			59	65	74	53		0.16	-
18	91	67			59	58	70	70		0.24	0.14
19	69	59			59	62	74	58		0.05	0.11
20	78	54			56	48	82	33		0.18	0.02
21	80	52			49	59	51	53		0.19	-
22	79	59			59	58	79	66		0.15	-
23	70	57			56	57	65	42		0.09	0.15
24	84	59			56	59	61	44		0.19	-
25	87	65			59	63	74	72		0.23	0.03
26	73	51			54	56	73	46		0.14	0.36
27	79	51			52	52	63	38		0.19	-
28	82	56			54	55	60	39		0.19	-
29	85	56			50	56	48	40		0.23	-
30	87	55			55	59	64	41		0.21	-
31	87	60			57	57	55	38		0.22	-
Tot:										5.85	0.81
Ave:	83	56									

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	92	60			52	51	42	27		0.25	-
2	93	57			54	46	51	21		0.25	-
3	92	55			54	56	51	32		0.26	-
4	91	59			53	58	56	39		0.25	-
5	89	60			50	56	48	36		0.24	-
6	87	62			52	51	44	26		0.19	-
7	92	61			54	57	54	33		0.28	-
8	91	63			61	56	57	29		0.24	-
9	93	68			61	63	60	41		0.23	-
10	94	70			61	48	54	53		0.21	-
11	94	73			55	61	49	44		0.19	0.01
12	85	65			60	59	60	62		0.18	-
13	75	61			62	66	64	47		0.07	-
14	92	64			56	59	52	36		0.25	-
15	92	70			61	66	57	51		0.25	-
16	88	68			59	62	59	84		0.18	-
17	74	57			57	38	55	18		0.05	0.03
18	88	58			49	60	36	42		0.27	-
19	89	67			50	53	39	40		0.18	-
20	82	64			58	62	78	84		[illegible]	-
21	70	54			54	47	57	30		0.12	0.51
22	82	55			51	59	49	13		0.25	-
23	85	53			49	29	45	13		0.27	-
24	88	59			47	61	37	39		0.29	-
25	90	63			50	35	43	14		0.30	-
26	92	63			47	50	31	23		0.29	-
27	93	64			57	55	49	34		0.25	-
28	88	68			57	52	55	29		0.22	-
29	90	58			59	54	70	51		0.45	1.18
30	73	57			55	55	64	49		0.18	-
Tot:										6.84	1.73
Ave:	87	62									

WASU

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	78	59			51	37	47	18		0.23	-
2	85	58			57	44	65	24		0.25	-
3	85	62			59	53	59	33		0.24	-
4	86	67			59	47	59	23		0.21	-
5	91	66			63	51	53	24		0.31	-
6	94	67			60	52	48	23		0.32	-
7	97	71			63	52	50	21		0.25	-
8	99	78			61	66	36	34		0.34	-
9	102	73			58	53	35	27		0.33	-
10	95	73			62	63	45	41		0.43	-
11	93	72			63	60	47	38		0.20	-
12	96	69			58	57	45	37		0.41	-
13	91	64			61	55	75	61		0.39	0.36
14					61	59	67	57		0.56	2.01
15	77	62			60	61	63	47		0.17	-
16	85	65			58	55	50	34		0.23	-
17	91	67			60	65	48	46		0.26	-
18	93	73			63	54	58	35		0.28	-
19	87	68			59	55	62	39		0.28	0.06
20	85	65			60	50	48	22		0.27	0.01
21	97	69			64	56	53	26		0.29	-
22	99	79			62	57	41	25		0.37	-
23	100	79			47	40	25	14		0.42	-
24	99	67			58	54	35	20		0.34	-
25	105	69			61	50	36	18		0.34	-
26	102	74			61	48	40	16		0.35	-
27	104	73			60	47	34	15		0.39	-
28	106	74			57	57	34	25		0.38	-
29	105	72			61	75	42	46		0.32	-
30	105	75			65	73	49	42		0.32	-
31	105	79			70	75	55	46		0.33	-
Tot:										9.81	2.44
Ave:											

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	103	77			49	62	45	28		0.35	-
2	105	81			65	55	38	20		0.35	-
3	106	77			65	74	42	21		0.46	-
4	103	73			63	59	43	26		0.34	-
5	103	82			56	48	32	17		0.47	-
6	102	71			54	48	32	16		0.39	-
7	104	71			54	48	29	17		0.38	-
8	105	74			52	55	25	19		0.39	-
9	106	73			59	54	36	38		0.38	-
10	107	75			64	54	40	20		0.38	-
11	108	80			62	57	41	23		0.32	-
12	103	74			59	63	37	28		0.34	-
13	104	77			62	66	45	31		0.32	-
14	103	79			64	62	44	28		0.36	-
15	102	79			65	52	42	17		0.33	-
16	105	78			67	56	47	20		0.41	-
17	107	82			65	62	41	25		0.45	-
18	106	81			68	57	45	18		0.44	-
19	109	82			67	57	41	30		0.44	-
20	104	80			68	67	42	11		0.38	-
21	111	83			59	41	33	18		0.53	-
22	107	77			55	54	24	40		0.37 *	-
23	106	73			62	75	50	28		0.43	0.05
24	100	77			61	61	39	26		0.30	-
25	104	79			74	63	57	20		0.35	-
26	109	75			67	56	45	32		0.41	-
27	105	81			69	69	48	36		0.38	-
28	103	77			65	70	53	32		0.41	-
29	99	79			70	57	53	12		0.32	-
30	101	74			65	37	56	33		0.38	-
Tot:										11.56	0.05
Ave:	105	77									

* Estimated evaporation.

WASU

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 A.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	97	75			71	64	70	36		0.27	0.03
2	97	75			69	57	55	23		0.17	-
3	103	79			71	66	58	31		0.23	-
4	103	82			73	71	57	39		0.22	-
5	102	84			67	61	54	26		0.29	-
6	105	80			77	69	49	30		0.36	-
7	107	85			72	76	58	41		0.36	-
8	104	80			71	75	56	41		0.40	-
9	104	81			72	76	59	51		0.37	-
10	98	73			76	81	79	59		0.39	0.43
11	99	81			81	77	77	61		0.20	-
12	93	73			78	74	73	46		0.22	0.35
13	98	79			76	74	63	42		0.33	-
14	101	81			85	77	71	58		0.32	-
15	97	79			75	75	69	55		0.30	-
16	95	77			74	73	68	42		0.28	-
17	100	81			79	74	70	42		0.36	-
18	101	84			79	76	73	47		0.32	-
19	100	85			80	80	74	48		0.28	-
20	103	83			77	79	76	67		0.32	-
21	93	81			77	78	83	91		0.18	-
22	84	77			79	78	80	73		0.01	0.14
23	88	81			78	80	69	65		0.12	-
24	95	73			74	88	87	83		0.32	0.70
25	83	75			77	76	91	79		0.16	0.74
26	87	76			76	78	75	67		0.22	-
27	91	77			78	78	79	64		0.21	-
28	92	79			77	74	87	60		0.23	0.31
29	90	72			74	76	78	60		0.26	0.20
30	92	75			76	74	79	57		0.17	-
31	93	78			77	72	76	43		0.28	-
Tot:										18.15	2.90
Ave:	97	79									

August 1965

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	98	80			80	76	76	53		0.27*	-
2	100	83			82	82	71	58		0.28	-
3	101	80			76	79	75	67		0.36	-
4	93	79			79	75	87	46		0.22	-
5	99	83			79	74	76	44		0.30	-
6	100	81			79	79	87	76		0.30	-
7	91	77			77	79	87	70		0.24	-
8	90	79			81	81	84	68		0.08	-
9	94	81			80	80	87	70		0.21	-
10	93	81			78	81	83	70		0.22	-
11	93	81			78	82	73	60		0.22	-
12	99	73			75	75	91	83		0.17	0.91
13	84	77			77	79	79	87		0.11	-
14	87	76			77	77	79	91		0.07	0.10
15	90	75			75	72	95	74		0.19	0.75
16	82	75			77	78	79	70		0.04	0.05
17	92	79			81	78	84	69		0.21	-
18	94	79			77	77	87	67		0.21	-
19	91	77			75	71	79	61		0.19	-
20	93	75			73	84	71	49		0.37	-
21	95	76			79	73	80	77		0.29*	-
22	93	70			72	70	74	54		0.18	0.33
23	93	75			77	72	79	47		0.21	-
24	95	77			79	74	76	47		0.25	-
25	96	75			71	75	67	55		0.28	-
26	94	73			72	70	78	50		0.28	0.10
27	97	76			79	74	80	36		0.24	-
28	99	77			80	74	80	46		0.29	-
29	100	76			77	73	69	44		0.30	-
30	100	77			80	70	80	41		0.29	-
31	101	76			79	68	76	36		0.29	-
Tot:										7.16	2.24
Ave:	94	77									

* Estimated evaporation.

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	99	76			76	68	75	36		0.32	-
2	100	77			77	73	72	44		0.29	-
3	101	76			77	73	69	44		0.27	-
4	100	75			72	72	62	45		0.29	-
5	101	76			76	71	75	72		0.25	-
6	100	74			72	68	65	58		0.34	-
7	98	67			69	71	77	64		0.26	0.36
8	84	71			74	73	78	54		0.08	-
9	93	73			64	68	65	45		0.19	-
10	94	72			72	73	74	54		0.24	-
11	95	73			75	72	79	74		0.21	-
12	88	75			74	75	71	60		0.19	-
13	91	76			77	74	83	57		0.15	-
14	94	73			76	70	79	53		0.24	-
15	95	69			68	72	85	71		0.25	0.33
16	83	69			71	71	74	54		0.14	0.74
17	94	71			67	70	69	51		0.19	-
18	93	69			72	75	78	60		0.19	-
19	94	70			74	74	83	60		0.19	-
20	93	71			74	73	78	57		0.21	-
21	91	71			74	70	83	48		0.22	-
22	94	71			73	67	78	43		0.23	-
23	95	73			75	68	83	45		0.22	-
24	93	69			67	74	63	60		0.27	-
25	94	72			70	55	67	39		0.17	-
26	85	63			62	63	64	41		0.12	0.03
27	91	67			72	69	78	48		0.18	-
28	93	71			69	65	70	42		0.19	-
29	93	69			70	64	81	40		0.20	-
30	95	69			70	67	81	43		0.20	-
Tot:										6.49	1.46
Ave:	94	72									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	94	69			67	71	69	61		0.19	-
2	92	67			61	49	67	29		0.24	-
3	87	65			63	69	75	55		0.19	-
4	91	68			65	60	69	38		0.17	-
5	91	65			64	67	72	47		0.21	-
6	93	65			65	72	76	59		0.18	-
7	93	66			68	61	77	39		0.17	-
8	93	66			66	61	80	40		0.18	-
9	92	66			69	62	90	41		0.20	-
10	91	67			68	63	81	43		0.17	-
11	90	67			67	64	77	61		0.18	-
12	90	67			59	71	59	61		0.21	-
13	87	64			59	56	61	58		0.16	-
14	89	67			61	69	67	50		0.18	-
15	88	62			59	63	74	51		0.19	0.42
16	75	63			58	54	66	29		0.10	0.09
17	86	56			59	49	83	24		0.13	-
18	88	64			60	44	84	46		0.17	-
19	86	58			51	56	56	29		0.16	-
20	86	62			61	49	75	51		0.16	-
21	87	62			62	66	75	52		0.16	-
22	88	62			57	67	65	64		0.15	-
23	86	62			62	71	75	67		0.14	-
24	86	62			63	71	75	58		0.15	-
25	87	63			63	68	80	60		0.15	-
26	86	63			61	69	79	67		0.15	-
27	86	64			63	70	84	67		0.11	-
28	86	66			63	69	80	73		0.12	-
29	80	64			59	69	74	70		0.13	-
30	89	64			59	68	62	53		0.15	-
31	90	61			54	64	68	40		0.16	-
Tot:										5.11	0.51
Ave:	88	64									

WASU

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	90	59			56	64	73	59		0.14	-
2	89	61			59	67	70	60		0.11	-
3	87	59			58	62	78	55		0.10	-
4	86	57			55	64	73	55		0.13	-
5	87	58			57	67	78	66		0.10	-
6	85	61			63	62	69	55		0.11	-
7	86	55			56	65	82	56		0.13	-
8	87	57			54	65	73	59		0.12	-
9	86	57			57	67	78	63		0.10	-
10	86	58			57	65	78	69		0.10	-
11	79	58			58	63	83	61		0.06	-
12	83	60			56	62	73	58		0.10	0.03
13	81	57			59	54	89	48		0.09	-
14	80	51			52	54	87	48		0.10	-
15	81	46			48	57	86	55		0.10	-
16	81	49			47	50	74	43		0.08	-
17	79	51			45	52	59	42		0.09	-
18	82	44			43	54	63	54		0.10	-
19	79	51			43	55	70	58		0.08	-
20	76	53			51	55	76	58		0.07	-
21	76	53			41	43	49	37		0.08	-
22	76	43			41	40	71	37		0.13	-
23	75	38			39	48	70	50		0.09	-
24	75	40			41	50	71	48		0.07	-
25	79	41			40	51	71	56		0.08	-
26	75	38			38	48	70	50		0.08	-
27	76	39			40	48	71	44		0.07	-
28	75	39			37	39	64	34		0.07	-
29	73	41			38	48	76	53		0.07	-
30	73	40			40	47	71	44		0.05	-
Tot:										2.80	0.03
Ave:	81	50									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	73	39			41	43	84	39		0.06	-
2	73	38			38	34	70	26		0.07	-
3	75	37			37	49	64	54		0.08	-
4	74	42			41	51	71	59		0.06	-
5	70	45			42	45	78	40		0.05	-
6	73	43			41	46	71	41		0.07	-
7	75	43			43	56	73	55		0.08	-
8	75	41			42	52	78	63		0.07	-
9	71	45			42	58	67	70		0.05	-
10	74	45			45	54	79	60		0.05	-
11	71	47			24	60	58	79		0.06	-
12	74	48			45	59	73	66		0.07	-
13	77	40			43	38	39	70		0.04	-
14	73	38			46	49	92	38		0.06	-
15	74	39			41	51	77	51		0.06	-
16	71	39			40	50	65	56		0.06	-
17	72	37			39	43	77	48		0.05	-
18	75	39			39	45	70	41		0.06	-
19	72	41			39	50	70	46		0.06	-
20	73	39			37	48	64	55		0.06	-
21	69	40			40	52	71	50		0.05	-
22	71	39			43	46	78	63		0.05	-
23	68	36			38	41	76	53		0.06	-
24	69	37			35	46	62	43		0.05	-
25	68	35			40	42	77	56		0.05	-
26	70	39			37	45	76	50		0.05	-
27	68	39			39	40	77	55		0.03	-
28	67	40			35	47	62	42		0.04	-
29	68	37			40	51	77	57		0.04	-
30	67	46			41	44	66	59		0.05	-
31	70	45			42	44	72	42		0.05	-
Tot:										1.74	0.00
Ave:	72	41									

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Location	Latitude 30°25', Longitude 67°42', near Muslim Commercial Bank Ziarat.
Elevation	8,000± ft msl.
Period of record	Pakistan Meteorological Service Station; Surface Water Hydrology Project installed recording and non-recording rain gauges in September 1964.
Instruments	5" Non-recording rain gauge. U.S. Universal weighing type recording rain gauge. Maximum and Minimum air temperature thermometer. Wet and Dry bulb thermometers.
Annual figures	Precipitation 9.36 inches Absolute maximum air temperature 90°F Absolute minimum air temperature 2°F
Remarks	Observations of precipitation, maximum and minimum temperatures are taken at 0800 hours and stand for 24 hour period preceding 0800 of the day. Relative humidities and dew point temperatures are computed from wet and dry temperatures observed twice a day at 0800 and 1700 hours on the date shown. Blank space indicates no record.(-)indicates no precipitation. All instruments except rain gauges belong to P.M.S.

ZIARAT

January 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	38	9			11	26	82	100			-
2	32	2			1	31	59	100			-
3	38	5			9	32	67	100			-
4	39	11			19	32	86	100			-
5	35	9			19	30	100	100			-
6	44	19			27	29	89	89			-
7	36	26			29	30	81	90			-
8	43	24			28	29	81	80			-
9	38	32			29	15	81	44			0.09
10	39	17			25	7	78	25			-
11	44	25			35	33	100	90			-
12	39	22			24	22	78	87			0.18
13	32	17			18	15	86	44			0.03
14	37	15			23	31	69	81			-
15	42	15			27	24	65	56			-
16	45	14			16	13	85	33			-
17	46	19			21	25	56	71			-
18	43	16			22	19	77	47			-
19	41	18			31	11	81	31			-
20	45	17			-39	9	2	23			-
21	50	23			23	-20	70	2			-
22	49	25			23	21	64	37			-
23	50	24			28	23	59	38			-
24	54	28			32	31	57	52			-
25	58	31			33	24	69	39			-
26	50	30			21	25	60	100			-
27	35	17			30	26	100	89			-
28	42	20			20	15	45	35			-
29	49	21			9	21	23	44			-
30	53	26			23	31	51	67			-
31	53	29			31	36	74	100			0.05
Tot:											0.35
Ave:	43	20									

ZIARAT

February 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	42	14			14	36	71	100			0.14
2	36	11			33	12	90	12			-
3	36	18			17	9	45	33			-
4	36	17			18	11	52	35			-
5	37	16			21	11	54	31			-
6	38	11			26	20	79	53			-
7	40	12			12	11	37	31			-
8	39	11			5	7	24	25			-
9	41	16			5	14	24	39			-
10	40	17			7	19	25	43			-
11	46	19			22	24	49	56			-
12	45	18			17	29	41	89			-
13	40	14			22	17	68	51			0.16
14	41	14			23	26	69	79			0.05
15	38	12			31	24	100	70			-
16	41	12			11	-12	31	11			0.46
17	43	11			14	- 1	39	18			0.12
18	45	9			12	20	37	53			-
19	45	10			15	27	44	65			-
20	43	16			16	17	73	5			-
21	55	23			23	27	69	54			-
22	50	26			27	23	80	42			-
23	52	32			30	24	81	39			-
24	51	28			29	32	80	57			-
25	50	27			23	33	62	63			-
26	51	28			33	31	75	52			0.11
27	53	27			35	33	76	69			0.14
28	50	25			34	34	100	63			-
Tot:											1.18
Ave:	44	18									

ZIARAT

March 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	51	25			25	31	63	52			-
2	51	26			17	22	41	35			-
3	54	27			22	20	49	30			-
4	53	27			15	20	35	33			-
5	51	28				18	2	28			-
6	49	25			22	10	61	21			-
7	48	26			11	-17	31	5			-
8	49	25			9	18	27	28			-
9	59	31			6	25	21	29			-
10	64	32			21	23	37	25			-
11	66	32			19	15	31	14			-
12	68	32			23	18	27	14			-
13	68	33			22	-20	31	3			-
14	69	35			28	23	50	19			-
15	69	37			38	-21	77	3			-
16	69	42			28		50	1			-
17	65	46			32	18	57	21			-
18	63	40			39	26	91	41			0.20
19	55	32			17	-1	34	11			0.04
20	56	29			19	43	31	68			-
21	63	35			34	41	43	51			-
22	64	42			44	32	85	34			0.68
23	63	40			13	42	19	49			-
24	64	41			33	44	57	64			-
25	64	37			29	31	66	41			0.34
26					12		37				-
27	57	27			35		91				-
28	58	28			23		62				-
29	60	29			25	18	57	21			-
30	62	33			20	23	33	23			-
31	64	35			29	8	43	11			-
Tot:											1.26
Ave:											

April 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	65	35			17	23	26	18			-
2	68	40			27	3	33	2			-
3	71	36			27	27	33	21			-
4	74	41			29	31	47	25			-
5	71	36			16	29	21	34			-
6	69	36			29	7	43	9			-
7	71	39			45	29	74	23			-
8	74	42			27	23	38	18			-
9	73	47			32	27	34	21			-
10	70	45			38	36	66	34			-
11	69	42			45	44	86	64			0.42
12	69	41			31	45	52	69			0.51
13	70	45			38	49	61	55			0.11
14	65	47			44	47	69	55			-
15	64	41			35	38	55	54			0.23
16	60	41			26	50	37	71			-
17					28	37	42	45			-
18	59	38			19	18	25	14			-
19					35	18	55	14			-
20	61	37			1	-7	15	9			0.04
21	51	31			5	31	21	41			-
22	56	31			-21	-5	5	7			-
23	60	35			9	9	19	13			-
24	63	35			31	12	41	13			-
25	63	35			34	12	46	13			-
26	66	37			19		23	1			-
27	69	38			29	7	34	10			-
28	67	43			19		27	1			-
29	63	36			25	31	48	74			-
30	57	39			-5	34	9	37			-
Tot:											1.31
Ave:											

ZIARAT

May 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	68	37			23	37	30	39			-
2	62	35			31	27	48	30			-
3	66	33			42	37	73	39			0.46
4	64	41			39	31	57	25			0.11
5	69	42			32	39	34	36			-
6	74	47			37	42	37	36			-
7	72	46			39	37	40	28			0.05
8	77	47			35	33	27	20			-
9					42	39	38	34			-
10	71	54			41	49	37	44			0.15
11	72	55			36	47	32	43			0.05
12	72	56			46	48	45	41			-
13	73	57			50	50	53	47			-
14	74	59			48	52	41	43			-
15	76	59			48	45	47	33			-
16	76	60			40	31	32	18			-
17					29	33	17	20			-
18						11		11			-
19	70	44			13		18	23			-
20					18	24	17	15			-
21	76	46			20	31	15	19			-
22	78	52			31	31	28	24			-
23	74	44			31	33	31	26			-
24	73	43			31	33	31	28			-
25	73	50			51	38	82	33			-
26	69	44			35	49	41	9			0.41
27	78	46			23		18				-
28	80	45			20	41	15	28			-
29	83	47			28	17	18	9			-
30	82	51			24	21	15	10			-
31	85	52			22	20	13	11			-
Total											1.23
Avg.											

June 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	85	52			22	21	13	10			-
2					43	55	52	78			0.53
3	73	42			25	12	31	9			-
4	75	43			18	21	17	13			-
5	77	44			-3	38	-5	25			-
6	79	43			11		11				-
7	79	44			23	21	19	13			-
8	77	46			17	16	15				-
9	79	43			11	22	11	13			-
10	78	45			11	3	11	8			-
11	78	45			18	38	14	25			-
12	79	47			29	36	26	24			-
13	79	45			27		25				-
14	81	51			45	21	42	15			0.02
15	78	48			11	57	55	66			0.50
16	80	48			45	44	50	31			-
17	81	49			45	57	47	44			-
18	84	52			42	26	36	13			-
19	84	53			30	65	21	57			-
20	86	52			50	11	45	7			-
21	84	55			23	17	17				-
22	85	55			25	25	18	14			-
23	81	54			28	31	18	19			-
24	84	52			37	39	27	27			-
25	84	51			34	35	24	21			-
26	86	56			25	58	14	13			-
27	85	55			38	37	29	22			-
28	87	61			34	41	23	28			-
29	82	58			38	51	33	42			-
30	82	58			38	51	33	42			-
Tot:											1.05
Ave:											

ZIARAT

July 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	83	54			52	65	51	90			-
2	86	56			53	54	48	62			-
3	82	51			39	43	34	27			-
4	85	52			42	58	31	49			-
5	88	52			55	33	40	25			-
6	89	51			52	54	34	38			-
7	89	52			27	57	15	44			-
8	89	55			42	38	31	18			-
9	88	55			30	43	16	21			-
10	89	56			41	41	29	20			-
11	87	54			36	43	25	22			-
12	85	53			39	52	28	39			-
13	82	58			34	62	24	62			-
14	82	66			50	63	53	59			-
15	84	67			49	65	53	66			-
16	83	66			46	63	45	59			-
17	82	66			49	64	53	59			-
18	82	66			46	64	45	76			-
19	82	65			48	59	49	42			-
20	90	54			39	74	28	79			-
21	85	52			44	67	44	63			-
22	80	62			59	67	67	73			-
23	79	60			59	65	71	69			0.28
24	77	58			55	64	62	69			0.14
25	75	56			52	62	57	68			0.88
26	74	54			52	65	61	73			0.74
27	75	56			53	62	65	68			-
28	73	55			47	61	48	65			-
29	74	54			52	61	64	68			-
30	72	54			47	58	58	60			-
31	73	54			45	61	53	72			-
Tot:											2.04
Ave:	82	57									

August 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	71	54			45	64	53	76			-
2	74	56			57	69	83	86			-
3	74	57			52	59	73	64			-
4	73	57			49	58	63	63			-
5	72	57			49	59	67	64			-
6	72	56			49	57	63	63			-
7	71	56			47	59	62	67			-
8	70	55			43	57	52	63			-
9	70	54			45	55	57	62			-
10	70	53			43	53	56	58			-
11	69	52			42	52	55	57			-
12	69	51			43	53	56	58			-
13	68	50			45	54	57	62			-
14	69	50			45	54	48	70			-
15	69	51			41	57	48	70			-
16	68	52			41	53	51	58			-
17	70	59			45	60	53	67			-
18	71	57			43	67	52	85			-
19					42	67	52	85			-
20	71	56			40	68	47	90			-
21	71	55			42	69	52	90			-
22	72	56			56	67	79	85			-
23	73	57			47	67	65	81			-
24	75	50			41	23	51	16			-
25	74	50			58	26	94	17			-
26	75	48			27	28	26	18			-
27	74	47			23	29	21	17			-
28	76	46			20	19	17	11			-
29	78	46			50	41	15	28			-
30	77	45			25	39	22	20			-
31	79	45			49	40	47	25			-
Tot:											0.00
Ave:											

ZIARAT

September 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in Inches	Rain in Inches
1	78	47			38	44	43	31			-
2	77	47			38	42	46	30			-
3	76	42			52	9	61				-
4	78	44			54	44	23	30			-
5	77	46			37	42	37	30			-
6	76	45			37	47	24	34			-
7	77	48			29	45	46	33			-
8	76	54			34	52	41	64			-
9	73	44			40	49	81	55			0.16
10	75	43			47	46	23	43			-
11	73	42			25	46	36	45			-
12	75	43			32	1	24	1			-
13	80	42			31	42	31	31			-
14	76	40			31	11	48	11			-
15	66	32			31	-3	24	5			-
16	70	33			11	7	26	9			-
17	70	33			17	11	25	10			-
18	70	32			13	15	29	11			-
19	71	38			14	44	3	35			-
20	75	45			23	8	23				-
21	75	45			23	18	31	13			-
22	74	46			31	8	32				-
23	75	46			32	3	17	7			-
24	72	45			18	12	13	9			-
25	75	44			11	23	13	17			-
26	76	45			12	3	17	40			-
27	73	44			18	15	15	11			-
28	74	45			12	15	43	11			-
29	75	42			38	3	33				-
30	74	40			31	11	21	10			-
Tot:											0.16
Ave:	74	43									

October 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	75	40			18	18	19	13			-
2	70	38			25	44	34	85			-
3	69	39			33	41	63	73			0.14
4	67	38			31		61				0.26
5	67	34			25	19	48	11			-
6	76	35			19	33	25	25			-
7	71	35			23	34	25	31			-
8	73	46			27	27	33	25			-
9	73	37			32	25	45	20			-
10	74	37			25	25	29	19			-
11					29	29	40	23			-
12					29	31	40	25			-
13	68	33			29	25	36	19			-
14	69	34			25	23	29	18			-
15	69	40			34	35	46	38			-
16	69	40			42	23	59	23			-
17	65	35			25	26	34	25			-
18	65	37			24	25	36	23			-
19	64	35			25	33	31	30			-
20	65	36			27	36	28	34			-
21	67	37			29	-7	36	5			-
22	68	39			27	25	38	23			-
23	63	35			27	27	44	25			-
24	66	34			27	20	38	19			-
25	68	34			29	29	43	24			-
26	68	37			25	3	48	7			-
27	70	37			30	23	56	23			-
28	61	38			31	23	37	18			-
29	69	39			29	27	34	25			-
30	65	38			27	25	33	19			-
31	70	40			37	27	45	20			-
Tot:											0.40
Ave:											

ZIARAT

November 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	70	39			42	27	59	20			–
2	70	38			37	25	48	20			–
3	67	39			45	29	80	26			–
4	65	36			39	41	57	48			–
5	62	41			34	37	43	45			–
6	58	39			38	38	66	57			–
7	61	33			36	42	64	73			–
8	52	34			38	35	66	44			–
9	60	33			34	37	75	56			0.03
10	57	35			36	34	83	46			–
11	55	31			34	29	82	43			–
12	53	28			29	25	89	48			0.26
13	50	29			30	13	90	25			–
14	49	25			27	17	80	34			–
15	51	25			33	19	90	35			–
16	52	25			33	22	75	31			–
17	53	28			17	15	41	24			–
18	52	31			28	-17	73	5			–
19	50	20			26	3	79	15			–
20	50	24			31	22	100	35			–
21	50	25			29	-28	89	2			–
22	49	18			27	7	72	23			–
23	48	18			29		80	1			–
24	50	19			21		54	1			–
25	49	18			22	-28	61	4			–
26	51	20			24		70	2			–
27	50	18			23	5	69	17			–
28	48	17			14	-13	48	7			–
29	52	18			19	6	47	21			–
30	52	20			20	9	23	23			–
Tot:											0.29
Ave:	55	27									

December 1969

Date	TEMPERATURES °F Air Max	Air Min	Pan Water Max	Pan Water Min	Dew Point 8 A.M	Dew Point 5 P.M	Relative Humidity Percent 8 A.M	Relative Humidity Percent 5 P.M	Wind Movement Miles	Evaporation in inches	Rain in inches
1	52	18			2	44	22	80			-
2	55	25			37	47	71	86			-
3	55	27			31		61				-
4	48	18			25		71				-
5	49	19			13	35	33	51			-
6	54	19			13	14	33	22			-
7	54	27			22	20	61	33			-
8	58	24			25	26	79	41			-
9	55	26			25	24	71	39			-
10	52	22			25	28	71	42			-
11	53	21			22	26	61	37			-
12	52	20			21	20	60	33			-
13	51	20			18	26	52	41			-
14	52	19			19	5	59	17			-
15	57	19			14	18	43	28			-
16	58	24			22	13	68	23			-
17	57	22			27	10	72	21			-
18	56	20			-8	11	16	24			-
19	55	20			1	9	25	23			-
20	56	21			-8	17	16	30			-
21	58	24			24	6	78	21			-
22	53	21			18	9	58	23			-
23	54	19			22	7	68	23			-
24	52	17			21	11	60	24			-
25	57	27			18	14	52	29			-
26	56	27			19	22	43	35			-
27	51	21			13	17	33	34			-
28	62	27			19	25	47	57			-
29	42	25			26	20	79	48			-
30	40	23			28	13	89	33			0.09
31	43	24			27	7	89	25			-
Tot:											0.09
Ave:	53	22									

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WIND RECORDING STATION RECORDS

January 1969

Date	Wind Movement in Miles/Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1			3	5	4	4	1	7				215
2	8	3		1	2	10						100
3	10	2			3	5	4					102
4		3		1	7	6	7					165
5	1	2	1	2	2	6	5	5				217
6												
7												
8												
9												
10												70
11	11	1	1	1	2	8						70
12	3	1	2	4	2	5	7					151
13	1	2	3		1	14	3					170
14												
15		3	1	2	2	13	3					165
16												
17												
18												
19												
20												
21			3	5	2	5	6	3				189
22	10	5	3	3	3							29
23	2	3	2	3	3	7	4					128
24	3	3	4	6	2	5	1					86
25												
26				1	1	11	8	3				242
27		5	3	1	3	3	4	5				185
28	5		2	1	1	5	1					64
29												
30												
31												

Note: Number of hours, shown as duration, are computed for 24 hours period preceding 0800 hour of the day. Blank space indicates no record.
Latitude 25°22', Longitude 67°51', Elevation ± 500 msl.

February 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1			1	1	1	5	4	7	3	2		337
2												
3												
4												
5												
6												
7												
8												
9												
10												
11	1	2	3	2	1	8	7					162
12		2	2	3	5	10	2					125
13					1	4	12	2	4	1		232
14					10	7	6	1				186
15					1	5	14	2	2			307
16												
17												
18												
19												
20												
21												
22					1	8	12	3				263
23			5		5	8	5	1				170
24					1	8	7	4	4			221
25												
26												
27												
28												

March 1969

Date	Wind Movement in Miles/Hour. Duration in Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
1												
2												
3												
4												
5												
6												
7												
8												
9												
10	2	4	2	4	3	6	3					105
11												
12												
13		3	2	3	8	6	1	1				121
14		2	1	1	4	13	2	1				159
15		2	3	4	5	9	1					118
16		5	4	1	2	9		3				135
17												
18												
19												
20												
21												
22												
23												
24												
25						5	14	5				302
26	1				1	7	3	10	2			314
27	6	1	1		7	3	6					131
28	6	5	2	2	4	4	1					73
29	11	2			1	7	3					99
30	9	5	4		6							36
31	3	1	1	2	7	8	2					120

April 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	2	4	3	4	4	4	3					106
2	2	6	3	4	2	7						75
3					6	12	4	2				209
4				1		7	9	4	3			311
5	2		1	2	1	8	10					209
6	8	2	1	1	1	4	5	2				145
7	1	2	4	3	7	6	1					97
8	1	2	1	4	10	3	3					114
9	7	5	1	2	2	7						63
10	1	1		2		12	7	1				205
11					1	11	9	3				264
12							6	10	8			419
13			1		3	3	6	7	4			331
14		1	2		3	11	6	1				197
15						5	5	5	7	2		410
16					1	2	7	6	7	1		405
17		2		5	4	6	2	2	3			208
18												
19		1	1			2	16	4				286
20						1	11	5	7			399
21		3	2	2	1	6	6	3	1			223
22												
23												
24		2	1	3	5	13						127
25												
26												
27					1	19	3	1				216
28						4	9	7	4			357
29												
30		1	1	1	3	10	6	2				200

May 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1		2		2	4		5	4				214
2	11	1					6	2	3			185
3	1		2	1	4	10	6					182
4		1	4		4	8	7					174
5		2	4	3	3	9	2	1				142
6				1	2	13	6	2				208
7						8	11	5				296
8				1		6	13	2	2			293
9			1		2	6	9	5	1			276
10					1	6	5	12				327
11												
12	1	1	1	2	6	7	5	1				181
13	1	2	2			7	6	3	3			259
14	1	2	3		1	7	7	3				198
15												
16	8	2	1	2	4	3	4					101
17		1	4	5	5	7	1	1				119
18						7	12	3	2			310
19												
20	3	2	2		1	1	4	11				265
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

June 1969

Date	Wind Movement in Miles/Hour. Duration in Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
1												
2												
3												
4												
5												
6												
7					1	13	8	2				233
8												
9						1	7	11	4	1		413
10												
11												
12							6	12	5	1		432
13						2	4	13	5			403
14								14	10			470
15								11	13			481
16								5	18	1		541
17									16	8		595
18								8	14	2		525
19							3	14	7			437
20						1	13	8	2			365
21							1	18	5			447
22						1	8	9	4	2		426
23						4	8	10	2			356
24							22	2				322
25												
26						4	7	12	1			355
27							3	11	10			468
28								10	14			509
29							6	11	7			436
30						3	10	8	3			364

July 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1						2	3	11	8			429
2							17	7				341
3							9	10	5			411
4								10	13	1		507
5								4	18	2		543
6								4	20			551
7								5	19			531
8								2	17	5		563
9												
10								7	11	6		545
11												
12								10	14			505
13												
14												
15												
16												
17						1	6	6	11			440
18												
19									18	6		575
20												
21												
22												
23												
24						2	19	3				307
25												
26								5	19			506
27									22	2		553
28										6	18	743
29										12	12	756
30								2	17	5		570
31									22	2		569

August 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1									19	5		567
2								14	9	1		495
3								16	8			463
4							9	11	4			400
5							7	15	2			406
6									23	1		555
7								4	11	9		587
8								12	12			493
9								4	18	2		537
10								5	19			515
11								15	9			473
12								3	21			531
13								9	15			513
14								15	9			479
15								18	6			466
16				1	2	2	7	11	1			341
17							2	6	16			480
18									16	8		564
19								1	19	4		545
20									13	11		604
21									15	9		604
22								1	20	3		555
23							5	14	7			447
24				1	3	1	13	3	3			316
25				1	2	2	13	2	4			319
26							12	9	3			391
27							4	18	2			405
28							7	16	1			397
29								16	8			473
30							2	15	7			459
31							5	17	2			411

September 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1							4	4	13	3		396
2							1	21	2			437
3							2	18	4			431
4						1	15	7	1			351
5							15	8	1			365
6								21	3			444
7							11	11	2			389
8												
9												
10												
11												
12												
13							2	13	8	1		476
14												
15												
16												
17												
18					2	5	10	7				295
19							9	14	1			393
20						4	5	15				365
21												
22		2		2	4	4	10	2				209
23						1	11	9	3			379
24					1	1	3	6	10	3		462
25							1	8	10	5		525
26							1	11	7	5		519
27						1	2	15	6			437
28						4	11	5	4			361
29						10	8	4	2			294
30							2	11	11			460

October 1969

Date	Wind Movement in Miles/Hour. Duration in Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
1							2	4	11	7		554
2							5	12	6	1		448
3		1	1	3	2	9	8					196
4	10		1		5	1	7					120
5	1	5		6	3	9						98
6												
7	3	4		1	9	5	2					102
8	1	4		3	8	7		1				116
9			1	3	1	9	8	2				214
10	1	1		1	5	7	8	1				196
11												
12						2	9	8	5			392
13						7	8	6	3			325
14					6	11	4	3				218
15				1	4	14	4	1				197
16				1	2	17	3	1				186
17	7	1		3	5	5	3					106
18	7	2	2	2	7	4						71
19												
20	1	3	1	2	2	8	7					167
21												
22	1	1		1	1	17	3					179
23				2	5	10	5	2				212
24	3	4	1	2	8	6						89
25	9	1	1	1	5	7						90
26	5	5		3	6	5						73
27		1		1	2	11	7	2				223
28					1	10	6	4				303
29												
30												
31												

November 1969

Date	Wind Movement in Miles/Hours: 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1												
2												
3			2		2	15	3	2				207
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17				1	1	19	3					170
18					4	5	14	1				245
19	7	2	1	2	1	7	4					119
20	1	1			1	7	11	3				256
21					1	12	7	4				252
22												
23												
24				1	3	7	4	9				280
25												
26	8	3	1		1	4	7					132
27												
28												
29												
30						10	3	10	1			314

December 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1						11	5	8				291
2						4	11	9				323
3												
4												
5												
6	7	4			1	4	8					144
7												
8												
9	10	2	2	2	2	6						60
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31						11	10	3				261

January 1969

Date	Wind Movement in Miles/Hour. Duration in Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
1	3	3		1	6	11						109
2	19	1		1	3							16
3												
4												
5												
6												
7												
8												
9												
10												
11	16	4	1		2	1						21
12	19	2	1		1	1						13
13												
14												
15												
16	8	12			3	1						23
17	12	11		1								5
18	6	11	4	1		1	1					30
19	12	6	1	1	1	3						34
20	11	5	4	3	1							22
21	12	5	1		2	4						39
22	10	5		4	3	2						49
23	18	4				2						14
24	15	4	1	1		3						29
25	8	5	2	2	1	4	2					79
26	3	1			1	14	5					180
27	5	3	3	1	4	7	1					97
28	13	2	2	1	3	3						47
29												
30												
31	9	1	2		3	8	1					97

Note: Number of hours, shown as duration, are computed for 24 hours period preceding 0800 hour of the day. Blank space indicates no record.
Latitude 25°48', Longitude 66°38', Elevation ± 130 msl.

February 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	1	2			3	4	7	2	5			301
2												
3												
4												
5												
6												
7												
8												
9	16	7			1							8
10												
11												
12	12	1	1	1	1	6	2					83
13	8	5	2		4	1	3	1				89
14												
15												
16	11	10	2	1								13
17	19	1	2			2						22
18	5	5	5	3	5	1						47
19	5	10	4	1	1	3						40
20	7	8	4			5						51
21	9	5	4	1	2	1	2					53
22	9	1	3	1	6	2	2					78
23	2	3	5		3	8	3					124
24	2	3	3	2		8	2	2	2			181
25	5	1	4	1	2	7	3	1				134
26	8	3	1	1	1	7	3					97
27	5	2		1	1	9	5	1				156
28	10	4	2	2	1	3	2					62

March 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	11	3	2	1	3	1	3					65
2												
3												
4												
5	14	4	1		1	1	2	1				56
6	12	2	2	2	1	3	2					63
7	11	2	3	1		5	2					67
8	9	4	1		2	5	3					77
9	6	7	2	2	1	4	2					72
10	9	5			2	5	1	2				92
11	7	8	3	1		3	2					62
12	6	9		2		3	4					83
13	10	4	1	3	1	3	1	1				71
14	13	2	1	1	1	3	3					71
15	12	2	2	1	1	4	2					70
16	10	3		1		5	3	2				110
17	10	2	2		1	6	3					95
18	4	5	4		1	5	3	2				119
19	1	3	2	4	3	7	4					143
20	5	3	4	2	2	3	5					93
21	9	4	1	1		6	2	1				93
22	7		2	4	1	4	6					122
23	8		2		3	6	5					130
24	7	6	2		1	3	5					97
25	1	3	3		1	11	4	1				159
26	6	1	3	4	3	2	5					114
27	9	8	2	1		1	3					54
28	14	3		1	1	2	3					70
29	10	5		3	1	5						52
30	7	7	3	2	1	1	3					62
31	10	2	2	3	1	4	2					71

April 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	11	2	1	1	2	3	4					87
2	11	2	1	1	3	4	1	1				76
3	12	2	1		1	4	4					99
4	4	2	3		1	6	8					159
5	11	2	3		1	2	5					86
6	14			1	4	2	1	2				84
7	12	2	1		2	5	2					64
8	13	2			5	3	1					57
9	12	3	1	1		3	4					78
10												
11												
12	6	2	2		2	9		3				129
13	8	6		3	3		2	2				87
14	2	2			2	12	3	3				200
15	2	2	2		7	4	1	5	1			199
16	1	2		3	2	8	3	2	3			219
17	5	3		1	4	4	3	4				154
18	8	2	1	3		5	3	2				129
19	9	3	2	2	1	2	4	1				100
20	5	3	1			2	5	3	5			247
21	7	3	1	1	2	6	2	2				117
22	4	2	1	4	3	8	2					112
23	8	2	2	1	3	5	2	1				104
24												
25												
26	9	5	1	1	2	3	3					74
27	6	3		2	2	6	5					127
28												
29	3	4	2	1	1	5	7					143
30	4	5	2		1	4	6	2				147

May 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	7	2			6	6	1	2				119
2	7	4	3	1	4	3	2					75
3												
4	11	3			2	2	5	1				109
5	7	5	1	1	2	5	2	1				92
6	12	1	1		1	4	4	1				111
7	8	1	1		1	6	6	1				152
8	6	2	1	1		6	8					150
9	7	2		2	2	3	8					141
10	4	6		1	2	3	8					136
11	5	4		1	1	4	8	1				154
12	8	3		2	3	4	2	2				111
13	5	1	2	4	2	6	1	2	1			140
14												
15	6		1	1	3	4	6	3				181
16	5	10	2	1		4	2					75
17	6	6	1	2		5	1	3				108
18	6	4	1	2	1	3	7					126
19	9	2		1	2	7	3					110
20	5	11		2	3		2	1				63
21	7	1	1	3	1	6	5					135
22	2	3	2	1	1	8	4	3				173
23	4	6	3	2	3	2	3	1				98
24		3	2	3	1	10	5					105
25		2	3	2	5	5	7					159
26		2		3	4	8	7					173
27	1	3	3	1	2	3	10	1				183
28		1		1	6	3	13					218
29		3	3	2	3	3	8	2				189
30	1	4	2		2	4	10	1				186
31	6	3		1	1	1	8	4				192

June 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	1	3	2	1	2	3	8	3	1			219
2		1	2	2		E	7	4				232
3	8	3	3	3	1	2	1	2	1			111
4	9	3	3	2	1	4	1	1				84
5	10	7	1		1	1	2	2				75
6	10	4	1		3	2	3	1				83
7	6	3		1	3	1	7	3				154
8												
9			1		9	7	5	2				199
10		3	1	2	3	8	5	2				194
11		1	2	3	5	7	3	3				186
12	1	3	2	3	4	1	7	3				186
13	2	3	2	6		3	7	1				150
14	4		1	3	1	6	8	1				187
15	3	2	1	1	1	7	4	5				201
16	3	3		3	3	2	5	5				197
17	1	4	2	2	2	4	4	4	1			199
18		4	2		2	8	4	4				198
19	3	4		1	5	4	7					146
20	5	5	2	1		2	9					141
21	4	6	1	1	1	5	4	2				135
22	8	4		1	1	3	4	3				125
23	6	3	1		2	5	4	3				146
24	5	8	1	1	1	3	5					97
25	3	4		2	3	8	4					130
26	10	4			2	4	3	1				101
27	4	5	2	1	3	2	7					123
28	3	2	2	2	3	5	7					158
29	2	4	3		3	6	4	2				155
30	1	3	1	2	6	4	7					155

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July 1969

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	5	3	2	1		4	7	2				165
2	8	4	1	2		2	6	1				119
3	5	3		5	1	3	6	1				138
4		6	2	3	3	3	7					152
5	5	2	1	1	1	3	7	4				197
6	4				5	4	10	1				201
7	9	2		2		4	4	3				138
8	1	3			6	6	5	3				185
9												
10	4	4	1	2	2	4	7					146
11												
12												
13												
14	5	4	2	3	1	1	8					130
15	2	3	2	3	4	4	5	1				142
16	6	1	2	2	2	6	5					137
17	5	2	1		1	4	6	5				194
18				3	3	5	10	3				252
19						9	11	4				278
20	7				1	6	4	6				210
21		5	3	2	3	7	4					133
22	4	3		2	3	12						114
23	8	6	1	4	1	1	3					66
24	2		2	1	9	7	3					134
25												
26												
27	6	4	2	1	1	5	4	1				122
28	4	4	5	2	1		2	3	3			163
29				3	3	8	2	3	5			293
30												
31												

October

Date	Wind Movement in Miles/Hour. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29	10	5	2		2	2	3					66
30	14	6	1			2	1					30
31	15	5	1	1		2						19

November 1969

Date	Wind Movement in Miles/Hour. Duration in Hours 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
1	10	5	3	2	1	2	1					46
2												
3												
4	15	3	1	1	1	2	1					38
5												
6												
7	15	5	1		3							15
8	14	10										4
9	18	4	1	1								7
10	17	6		1								5
11												
12												
13												
14												
15	17	6		1								5
16	17	4	2		1							10
17												
18	21	3										1
19												
20												
21	15	2	2	1	1	3						37
22												
23												
24												
25												
26												
27												
28	20	2	1			1						8
29	14	7		3								10
30	14	8	1	1								6

December 1969

Date	Wind Movement in Miles/Hours. 0	1	2	3	5	10	15	20	25	30	40	24 Hours Wind Movement Miles 0800 to 0800
	Duration in Hours											
1	17	4	2		1							8
2	19	5										2
3	16	6	1	1								5
4	18	4	1		1							7
5	12	10			2							12
6	16	2	1	1	3	1						25
7	17	6		1								5
8	20	4										1
9	16	8										1
10	13	10				1						10
11	17	6		1								4
12	15	5	1	1	1	1						17
13	15	8	1									4
14	18	6										2
15	16	8										3
16	18	6										1
17	22	2										0.30
18	20	4										0.48
19	18	3	2	1								7
20	17	6	1									2
21	18	3	1		2							12
22	19	4	1									2
23	21	3										0.2
24	18	4		1	1							7
25	23	1										0.04
26	20	4										0.48
27	18	4		1	1							7
28	20	3	1									2
29												
30	17	6	1									3
31	14	8	2									4