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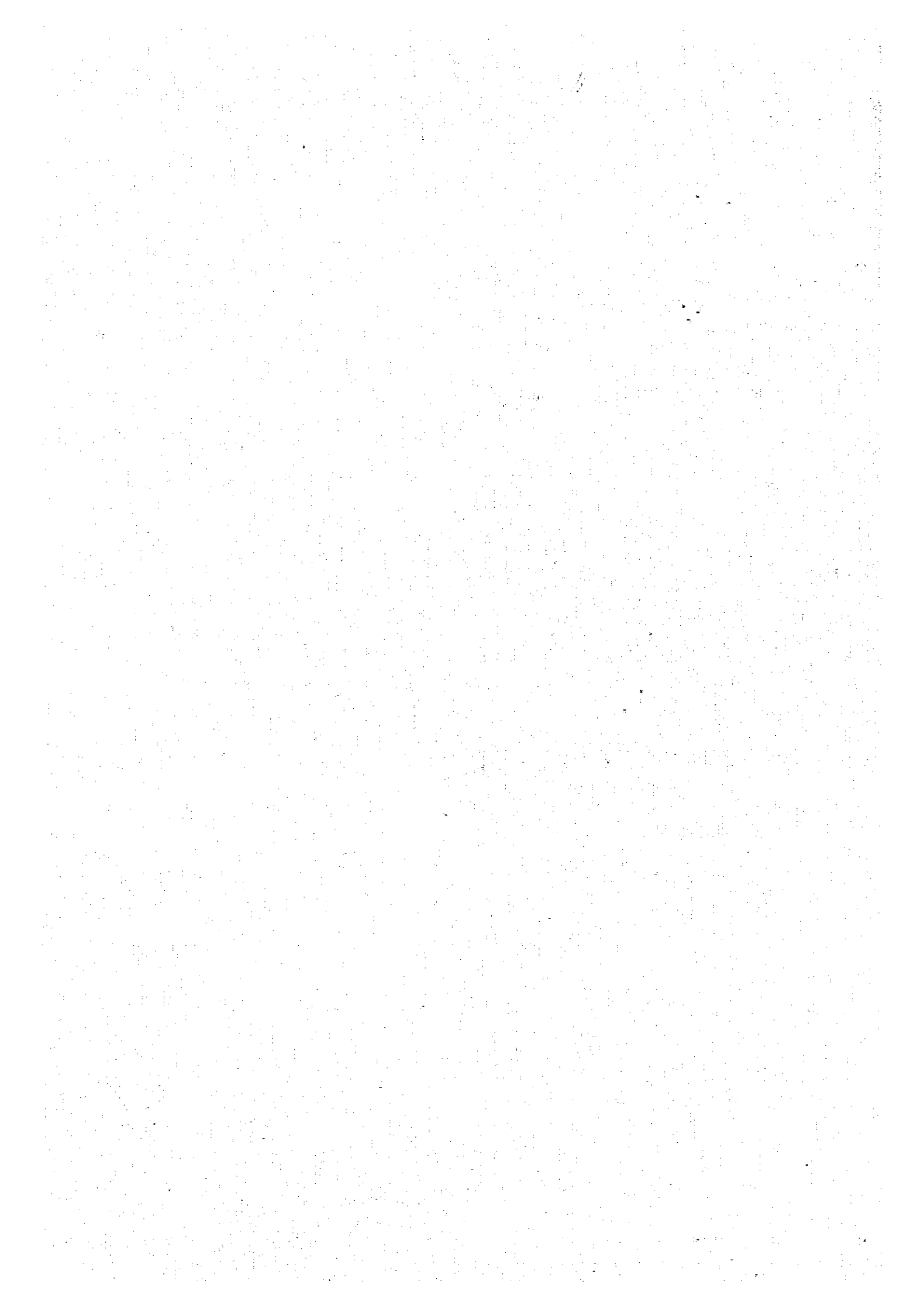
THE BILA IRRIGATION PROJECT

DATA BOOK

JUNE 1982

JAPAN INTERNATIONAL COOPERATION AGENCY
TOKYO, JAPAN

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**FEASIBILITY STUDY
ON
THE BILA IRRIGATION PROJECT**

JICA LIBRARY



DATA BOOK

JUNE 1982

**JAPAN INTERNATIONAL COOPERATION AGENCY
TOKYO, JAPAN**

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METEOROLOGY AND HYDROLOGY

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METEOROLOGICAL RECORD

Station No. _____ Name: FMN Borjeng Month: May Year: 1915
 Location: Indo. Najo Lat. 4° 01' 30" N Altitude: _____
 Acc. Temp. _____ Feat. _____ Lon. 120° 01' 00" E St. 14 m

| Day | Temp. | | | W. Dir. | Sun. Time | Wind | | Rel. Hum. | Evapo-ration | Precip. |
|-------|-------|------|------|---------|-----------|------|-------|-----------|--------------|---------|
| | Max. | Min. | Mean | | | Dir. | Force | | | |
| 1 | | | | | | | | | | 2 |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | 4 |
| 5 | | | | | | | | | | 28 |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | 2 |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | 32.2 | 23.5 | 27 | SE | 30 | | | | X | |
| 17 | 33.5 | 22.2 | 26 | SE | 20 | | | | X | |
| 18 | 29.5 | 22.5 | 21 | SE | 25 | | | | X | |
| 19 | 37.0 | 22.0 | 26 | SE | 20 | | | | X | |
| 20 | 31.2 | 23.2 | 26 | SE | 25 | | | | X | |
| 21 | 28.0 | 22.0 | 27 | SE | 25 | | | | X | |
| 22 | 30.0 | 22.0 | 27 | SE | 25 | | | | X | |
| 23 | 31.5 | 23.0 | X | SE | X | | | | X | |
| 24 | 32.5 | 23.0 | 28 | SE | 25 | | | | 5.1 | |
| 25 | 31.0 | 21.5 | 27 | SE | 25 | | | | X | 1 |
| 26 | 31.0 | 21.0 | 28 | SE | 25 | | | | 5.5 | 15 |
| 27 | 30.8 | 20.2 | 27 | SE | 25 | | | | X | 0 |
| 28 | 31.2 | 19.8 | 27 | SE | 20 | | | | X | 36 |
| 29 | 30.7 | 19.5 | 26 | SE | 25 | | | | 8.1 | |
| 30 | 30.7 | 18.2 | 26 | SE | 25 | | | | 0 | 1 |
| 31 | 28.0 | 18.2 | 26 | SE | 20 | | | | 6.3 | |
| Total | | | | | | | | | X | 86 |
| Days | | | | | | | | | X | 8(9) |
| Mean | 30.5 | 21.4 | 26.9 | SE | 23 | | | | X | |
| Max. | | | | | | | | | X | |
| Min. | 33.5 | 23.8 | 28 | SE | 25 | | | | X | 36 |
| Range | 29.5 | 18.2 | 26 | SE | 25 | | | | X | |

Remarks: Rainy day includes days of precipitation less than 0.1 mm

METEOROLOGICAL RECORD

Station: USDA Sedona Month: Jun Year: 1915
 Location: Rob. Vajo Lat. 4° 07' 30" N Altitude: 21, 14'
 Rec. Tempe Base Lon. 120° 01' 00" W

| Day | Temperature | | | Rel. Humidity | | Sunshine | | Wind at 2' direction | Wind at 2' force | Evapo-ration | Rain fall |
|-------|-------------|---------|---------|---------------|--------|----------|----------------------------|----------------------|------------------|--------------|-----------|
| | Max. °C | Min. °C | Mean °C | Max. % | Min. % | Hour | Radial cal/cm ² | | | | |
| 1 | 30.4 | 17.5 | 26 | 85 | 80 | 1.0 | | | | X | - |
| 2 | 30.0 | 17.5 | 26 | 79 | 75 | 6.9 | | | | X | 1.5 |
| 3 | 31.0 | 17.2 | 27 | 80 | 75 | 6.8 | | | | 6.6 | 3 |
| 4 | 30.4 | 16.8 | 27 | 83 | 75 | 3.6 | | | | X | 8 |
| 5 | 30.0 | 16.4 | 27 | 75 | 75 | 7.9 | | | | X | 7 |
| 6 | 30.2 | 23.0 | 24 | 92 | 90 | 0 | | | | X | 16 |
| 7 | 30.2 | 22.2 | 25 | 87 | 80 | 2.4 | | | | 6.6 | 3 |
| 8 | 29.0 | 22.2 | 26 | 87 | 80 | 4.1 | | | | X | 40 |
| 9 | 30.2 | 22.9 | 26 | 100 | 80 | 2.1 | | | | X | 6 |
| 10 | 28.2 | 22.2 | 27 | 79 | 75 | 5.1 | | | | 5.0 | - |
| 11 | 30.9 | 22.5 | 27 | 82 | 80 | 7.1 | | | | | - |
| 12 | 30.2 | 23.0 | 26 | 84 | 80 | 6.2 | | | | 3.8 | - |
| 13 | 29.5 | 23.0 | 27 | 87 | 75 | 2.6 | | | | 3.5 | 2 |
| 14 | 30.0 | 23.0 | 27 | 71 | 70 | 8.2 | | | | 1.4 | - |
| 15 | 30.0 | 23.5 | 26 | 85 | 80 | 1.2 | | | | 2.6 | 17 |
| 16 | 30.2 | 23.4 | 25 | 89 | 85 | 0 | | | | 4.2 | 3 |
| 17 | 28.5 | 23.4 | 25 | 72 | 85 | 2.1 | | | | 2.0 | 16 |
| 18 | 29.2 | 23.2 | 26 | 83 | 80 | 3.1 | | | | X | - |
| 19 | 29.5 | 22.9 | 26 | 95 | 80 | 4.6 | | | | 3.6 | - |
| 20 | 28 | 23.2 | 27 | 87 | 75 | 9.3 | | | | 4.5 | - |
| 21 | 31.0 | 23.4 | 27 | 82 | 75 | 7.4 | | | | 4.5 | - |
| 22 | 30.2 | 22.2 | 27 | 97 | 75 | 9.4 | | | | 6.8 | - |
| 23 | 31.2 | 22.0 | 27 | 75 | 75 | 1.8 | | | | 4.8 | - |
| 24 | 31.0 | 21.9 | 26 | 84 | 85 | 0 | | | | 1.8 | - |
| 25 | 28.0 | 21.0 | 26 | 82 | 75 | 8.4 | | | | 3.6 | - |
| 26 | 29.2 | 20.4 | 27 | 66 | 80 | 3.6 | | | | 3.6 | - |
| 27 | 29.8 | 20.0 | 27 | 82 | 75 | 6.7 | | | | 5.4 | - |
| 28 | 30.9 | 24.2 | 27 | 87 | 80 | 4.1 | | | | 6.9 | 8 |
| 29 | 30.0 | 23.4 | 25 | 90 | 80 | 1.0 | | | | 6.0 | 5 |
| 30 | 28.4 | 22.6 | 24.0 | 70 | X | 6.3 | | | | 1.0 | 1 |
| 31 | | | | | | | | | | | |
| Total | | | | | | 137.1 | | | | (28.0) | 152 |
| Days | | | | | | | | | | (22) | 16 |
| Mean | 29.9 | 21.7 | 26.3 | 82 | 80 | 4.64 | | | | 3.86 | |
| Max | | | | | | 13.9 | | | | 11.6 | |
| Min | 33.0 | (24.2) | 27 | 100 | 90 | 9.4 | | | | 6.9 | 40 |
| Min | (26.5) | 16.4 | 20 | 66 | 70 | 0 | | | | 1.0 | |

METEOROLOGICAL RECORD

Station No. _____ Name: P3GA Sengkang Month: Jul Year: 1975
 Location: Kab. Kajo Dist. 4° 07' 30" S Altitude: _____
 Kec. Tempo Desa _____ Lon. 120° 01' E Bl. 14

| Day | Mean Temperature | | | R. Hu- midity | | Sunshine | | Wind st. Hr | | Evapo- ration | Rain- fall |
|-------|------------------|------|------|------------------|------|----------|--------------------------------|----------------|-----------------|------------------|---------------|
| | Max | Min | Mean | | | Hour | Radiat. cal/cm ² | Dir- ection | Veloc. m/sec | | |
| 1 | 29.8 | 22.4 | 27 | 77 | 75 | 9.4 | | | | X | - |
| 2 | 30.6 | 22.0 | 26 | 78 | 75 | 8.0 | | | | X | - |
| 3 | 29.9 | 22.5 | 26 | 75 | 80 | 7.3 | | | | X | - |
| 4 | 31.0 | 23.5 | 28 | 89 | 75 | 6.1 | | | | X | - |
| 5 | 29.2 | 23.2 | 26 | 75 | 75 | 8.2 | | | | X | - |
| 6 | 29.5 | 22.8 | 26 | 85 | 75 | 2.0 | | | | X | - |
| 7 | 28.7 | 22.5 | 26 | 82 | 75 | 3.0 | | | | X | - |
| 8 | 28.9 | 22.2 | 26 | 77 | 75 | 8.3 | | | | X | - |
| 9 | 29.4 | 22.0 | 26 | 77 | 75 | 6.5 | | | | X | - |
| 10 | 29.6 | 22.5 | 25 | 92 | 80 | 0.5 | | | | 1.0 | 10 |
| 11 | 27.0 | 19.7 | 26 | 68 | 80 | 3.8 | | | | 3.9 | - |
| 12 | 29.5 | 22.0 | 25 | 79 | 75 | 2.9 | | | | 4.4 | - |
| 13 | 30.4 | 22.3 | 26 | 81 | 75 | 4.9 | | | | X | - |
| 14 | 30.5 | 22.0 | 26 | 73 | 75 | 6.2 | | | | 3.7 | - |
| 15 | 30.5 | 21.8 | 27 | 79 | 70 | 4.7 | | | | 4.7 | - |
| 16 | 29.8 | 22.0 | 26 | 77 | 80 | 8.1 | | | | 3.8 | - |
| 17 | 29.5 | 22.2 | 26 | 85 | 75 | 3.2 | | | | X | - |
| 18 | 31.2 | 22.2 | 27 | 82 | 75 | 9.0 | | | | 4.7 | - |
| 19 | 30.0 | 22.3 | 27 | 84 | 75 | 8.0 | | | | X | - |
| 20 | 29.5 | 23.0 | 27 | 80 | 75 | 6.6 | | | | 2.9 | - |
| 21 | 29.6 | 23.5 | X | 87 | X | 6.1 | | | | X | - |
| 22 | 29.0 | 23.0 | 26 | 82 | 75 | 3.8 | | | | X | - |
| 23 | 28.5 | 23.0 | 27 | 84 | 75 | 7.0 | | | | 5.2 | 7 |
| 24 | 30.2 | 23.5 | 25 | 89 | 80 | 5.0 | | | | X | 5 |
| 25 | 29.6 | 22.5 | 25 | 87 | 80 | 3.9 | | | | 0.2 | 0 |
| 26 | 29.8 | 22.2 | 26 | 79 | 75 | 5.5 | | | | 2.1 | 2 |
| 27 | 30.2 | 23.0 | 26 | 79 | 75 | 5.9 | | | | X | 5 |
| 28 | 30.0 | 23.0 | 27 | 80 | 70 | 5.2 | | | | 10.2 | 12 |
| 29 | 30.7 | 23.2 | 27 | 77 | 75 | 6.2 | | | | 5.4 | - |
| 30 | 30.7 | 23.4 | 26 | 80 | 75 | 3.8 | | | | 3.8 | 0 |
| 31 | 30.2 | 23.0 | 27 | 82 | 75 | 10.0 | | | | 5.5 | 7 |
| Total | - | - | - | - | - | 178.6 | | | | (6.7) | 40 |
| Avg | - | - | - | - | - | - | | | | (15) | 7(8) |
| Mean | 29.8 | 22.4 | 26.1 | 80.8 | 76.7 | 5.76 | | | | 4.11 | - |
| Max | 31.2 | 23.5 | 27 | 92 | 80 | 10.0 | | | | 10.2 | 12 |
| Min | 27.0 | 19.7 | 25 | 68 | 70 | 0.5 | | | | 0.2 | - |

Remarks: Rainy day includes rainy days of precipitation less than 0.1 mm.

METEOROLOGICAL RECORD

Station No. 1501 Name: Fort Sanjoug Month: Aug Year: 1915
 Latitude: 36° 31' N Longitude: 129° 01' E
 Elevation: 100 meters

| Day | Temperature | | Relative Humidity | | Wind | | Direction | Force | Rainfall | Evaporation | Sunshine | Rainfall (Gauged) (mm) |
|-----|-------------|------|-------------------|-----|------|------|-----------|-------|----------|-------------|----------|------------------------|
| | Max | Min | Max | Min | Max | Min | | | | | | |
| 1 | 30.0 | 22.2 | 76 | 85 | 75 | 9.5 | | | 7.2 | 0 | | |
| 2 | 30.2 | 21.5 | 26 | 78 | 75 | 8.8 | | | 6.3 | - | | |
| 3 | 30.5 | 20.5 | 26 | 79 | 70 | 9.8 | | | 3.6 | - | | |
| 4 | 30.7 | 20.0 | 27 | 79 | 75 | 8.6 | | | 7.2 | - | | |
| 5 | 30.6 | 20.0 | 28 | 77 | 75 | 7.4 | | | 5.9 | 0 | | |
| 6 | 30.0 | 23.0 | 28 | 76 | 75 | 9.8 | | | 5.9 | 0 | | |
| 7 | 31.0 | 23.2 | 27 | 71 | 75 | 6.6 | | | 4.0 | 6 | | |
| 8 | 30.5 | 22.0 | 27 | 82 | 75 | 3.2 | | | 3.6 | 4 | | |
| 9 | 30.2 | 21.9 | 27 | 77 | 75 | 5.6 | | | 2.0 | 4 | | |
| 10 | 30.0 | 22.5 | 27 | 82 | 80 | 3.0 | | | 1 | 23 | | |
| 11 | 29.5 | 22.0 | 26 | 85 | 85 | 3.8 | | | X | 23 | | |
| 12 | 29.7 | 22.5 | 26 | 85 | 85 | 3.8 | | | X | 22 | | |
| 13 | 30.0 | 22.6 | 27 | 87 | 75 | 3.9 | | | 3.6 | 0 | | |
| 14 | 30.0 | 23.0 | 27 | 82 | X | 8.8 | | | 1.8 | - | | |
| 15 | 30.2 | 23.0 | 27 | 75 | 75 | 2.6 | | | 10.6 | 7 | | |
| 16 | 30.4 | 22.5 | 26 | 87 | 80 | 0 | | | 2.0 | 0 | | |
| 17 | 30.0 | 24.0 | 26 | 85 | 80 | 3.6 | | | 3.0 | 2 | | |
| 18 | 30.3 | 23.8 | 26 | 75 | 75 | 5.1 | | 0.8 | 4.7 | 1 | | 3 |
| 19 | 30.1 | 21.4 | 27 | 84 | 75 | 8.6 | | 0.8 | 4.7 | - | | - |
| 20 | 30.5 | 21.5 | 27 | 82 | 75 | 2.4 | | 0.9 | 6.3 | - | | - |
| 21 | 30.2 | 22.2 | 26 | 77 | 20 | 7.2 | | 1.1 | 5.7 | 0 | | - |
| 22 | 30.2 | 21.2 | 26 | 75 | 70 | 4.8 | | 1.1 | 5.4 | - | | - |
| 23 | 30.5 | 22.0 | 27 | 80 | 70 | 10.0 | | 1.0 | 2.7 | - | | - |
| 24 | 30.6 | 22.4 | 27 | 79 | 70 | 8.7 | | 1.0 | X | - | | - |
| 25 | 30.5 | 22.5 | 27 | 77 | 70 | 7.6 | | 0.8 | 6.1 | 8 | | 13 |
| 26 | 31.0 | 23.0 | 27 | 84 | 70 | 9.0 | | 1.3 | 7.2 | - | | - |
| 27 | 31.0 | 22.5 | 27 | 85 | 75 | 9.5 | | 1.0 | 6.4 | 1 | | - |
| 28 | 31.0 | 24.0 | 27 | 85 | 75 | 6.5 | | 1.3 | 5.0 | 1 | | 1 |
| 29 | 31.6 | 24.5 | 28 | 84 | 75 | 9.6 | | 1.2 | 8.3 | 4 | | 5 |
| 30 | 31.5 | 23.6 | 27 | 80 | 80 | 7.8 | | 1.1 | 4.9 | 2 | | 1 |
| 31 | 31.5 | 24.4 | 26 | 83 | 80 | 0.8 | | 0.9 | 2.8 | 2 | | 4 |
| 32 | | | | | | 20.7 | | | (130.9) | 110 | | 27 |
| 33 | | | | | | | | | (27) | 156 | | 6 |
| 34 | 30.5 | 22.5 | 25.9 | 76 | 75 | 6.75 | | 1.0 | 5.74 | - | | - |
| 35 | | | | | | 20.9 | | | 1.5 | - | | - |
| 36 | 31.6 | | 27 | | | 10.0 | | | 10.6 | 23 | | 13 |
| 37 | | 20.0 | 26 | | | 0 | | | 0.8 | - | | - |

Remarks: Rainy day int. 2 minutes day & precipitation less than 0.1 mm.

METEOROLOGICAL RECORD

Station No. _____ Name Ps. St. Singsing Month September Year 1975
 Location: Wajo Tempo Desa 121° 01' 30" S Altitude: _____
121° 01' 30" E El. 14 m

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|--------------------|-------|------|-----------------------|----------|---------------------|-------------|-------|------------------------|--------------------------------|-------------------------------|
| | Max | Min. | Mean | | Hour | Radiat | Direc- | Veloc | | | |
| | °C | °C | °C | | Hr. | cal/cm ² | tion | m/sec | | | |
| 1 | 30.5 | 24.0 | 26 | 80 | 1.0 | | | 0.4 | 4.2 | 0 | 0 |
| 2 | 31.0 | 23.5 | 27 | 75 | 9.2 | | | 0.4 | 5.4 | 0 | 1 |
| 3 | 31.0 | 25.0 | 28 | 70 | 9.9 | | | 0.9 | 7.1 | 2 | 0 |
| 4 | 31.0 | 24.0 | 27 | 75 | 7.5 | | | 1.0 | 7.0 | 6 | 4 |
| 5 | 30.8 | 23.8 | 27 | 70 | 7.6 | | | 0.8 | 7 | 7 | 12 |
| 6 | 30.8 | 23.4 | 26 | 80 | 5.0 | | | 1.2 | 7 | 12 | 18 |
| 7 | 30.8 | 23.0 | 27 | 80 | 8.0 | | | 1.0 | 6.8 | 2 | 10 |
| 8 | 31.2 | 23.0 | 29 | 75 | 7.9 | | | 1.2 | 6.8 | 5 | 2 |
| 9 | 31.2 | 23.2 | 28 | 75 | 8.7 | | | 1.3 | 7 | 13 | 5 |
| 10 | 30.8 | 23.0 | 26 | 75 | 6.7 | | | 1.2 | 6.4 | 11 | 4.5 |
| 11 | 30.8 | 23.0 | 26 | 65 | 3.5 | | | 0.7 | 5.2 | 17 | 19 |
| 12 | 31.2 | 21.2 | 27 | 65 | 6.0 | | | 0.8 | 8.3 | 13 | 12 |
| 13 | 31.2 | 19.0 | 26 | 65 | 5.9 | | | 0.6 | 3.6 | 20 | 27 |
| 14 | 31.2 | X | 27 | 80 | 7.7 | | | 0.3 | 5.5 | 0 | 0 |
| 15 | 31.0 | 24.0 | 27 | 75 | 10.5 | | | 0.5 | 7.2 | 4 | 4 |
| 16 | 31.5 | 23.0 | 27 | 75 | 8.2 | | | 0.6 | 5.4 | 0 | - |
| 17 | 31.0 | 23.0 | 28 | 70 | 10.2 | | | 0.9 | 5.7 | 0 | - |
| 18 | 31.0 | 22.0 | 28 | 70 | 10.6 | | | 1.4 | 7.2 | 0 | - |
| 19 | 31.5 | 22.0 | 28 | 65 | 9.1 | | | 1.5 | 7.3 | 0 | - |
| 20 | 31.4 | 22.8 | 29 | 40 | 5.7 | | | 1.0 | 6.9 | 0 | - |
| 21 | 31.0 | 22.8 | X | X | 3.9 | | | 0.9 | 2.7 | 0 | 1 |
| 22 | 31.5 | 24.4 | 29 | 70 | 6.8 | | | 0.8 | 5.2 | 1 | - |
| 23 | 31.5 | 24.5 | 28 | 70 | 10.2 | | | 0.6 | 7.2 | 0 | 2 |
| 24 | 31.6 | 24.0 | 28 | 70 | 8.5 | | | 1.2 | 3.8 | 0 | - |
| 25 | 31.8 | 23.2 | 27 | 80 | 5.4 | | | 1.4 | 7 | 28 | 2 |
| 26 | 31.6 | 23.2 | 28 | 75 | 10.4 | | | 0.1 | 7 | 22 | 5.5 |
| 27 | 31.8 | 23.0 | 28 | 70 | 10.4 | | | 0.7 | 7.2 | 2 | 40 |
| 28 | X | 23.2 | 28 | 70 | 9.0 | | | 1.3 | 5.0 | 0 | - |
| 29 | 31.8 | 23.6 | 26 | 80 | 3.3 | | | 0.7 | 4.9 | 12 | - |
| 30 | 30.8 | 24.0 | 27 | 85 | 4.4 | | | 0.3 | 3.0 | 2 | 14 |
| 31 | - | - | - | - | - | | | - | - | - | - |
| Total | 935.3 | 687.6 | 787 | 2,170 | 2,212 | | | 25.4 | 145 | 192 | 289 |
| Days | 29 | 29 | 29 | 29 | 30 | | | 30 | 25 | 30 | 21 |
| Mean | 32.3 | 23.7 | 27.1 | 74.8 | 73.7 | | | 0.8 | 5.8 | 16 | 14 |
| Max. | 31.8 | 25.0 | 28 | 85 | 10.5 | | | 1.3 | 7.3 | 22 | 55 |
| Min. | 29.5 | 19.0 | 26 | 15 | 1.0 | | | 0.1 | 2.7 | 0 | 0 |

METEOROLOGICAL RECORD

Station No. _____ Name PASA-Jangshuy Month October Year 1975
 Location: Kab. Wayo Lat. 09° 07' 30" S Altitude: _____
 Dist. Tempo Desa _____ Lon. 120° 01' _____ E El. 14 m.

| Day | Air Temperature | | | Humidity | Sunshine | | Wind | | Evaporation | Rain-fall (stand) | Rain-fall (auto) |
|-------|-----------------|-------|------|----------|----------|---------------------|-------|-------|-------------|-------------------|------------------|
| | Max | Min | Mean | | Hour | Radial | Dirac | Veloc | | | |
| | °C | °C | °C | % | Hr | cal/cm ² | tion | m/sec | mm | mm | mm |
| 1 | 29.0 | 23.0 | 26 | 83 | 1.7 | | | 0.5 | X | 8 | 3 |
| 2 | 28.7 | 23.0 | 26 | 80 | 0 | | | 0.5 | 0 | - | 4 |
| 3 | 30.6 | 23.4 | 27 | 80 | 2.2 | | | 0.1 | 0.4 | 7 | - |
| 4 | 31.0 | 23.0 | 26 | 80 | 9.4 | | | 0.4 | 1.7 | 7 | 4 |
| 5 | 31.5 | 23.0 | 26 | 75 | 8.0 | | | 1.0 | X | 0 | 4 |
| 6 | 32.0 | 23.5 | 28 | 70 | 8.9 | | | 0.7 | 1.1 | 3 | - |
| 7 | 31.5 | Y | 27 | 75 | 6.8 | | | 1.1 | X | 8 | 2 |
| 8 | 31.0 | Y | 27 | 75 | 8.7 | | | 0.7 | 2.2 | 11 | 26 |
| 9 | 31.0 | 24.0 | 28 | 75 | 8.0 | | | 0.7 | 4.9 | 4 | 4 |
| 10 | 32.0 | 23.0 | 27 | 70 | 10.3 | | | 1.1 | 7.2 | - | - |
| 11 | 32.8 | 23.5 | Y | Y | 8.2 | | | 0.9 | 5.8 | - | - |
| 12 | 33.5 | 24.0 | Y | Y | 7.9 | | | 0.4 | 0.6 | 10 | - |
| 13 | X | 23.0 | 28 | 70 | 6.4 | | | 0.4 | 7.2 | - | 6 |
| 14 | 32.8 | 25.0 | 28 | 70 | 10.2 | | | 0.4 | 5.4 | 1 | - |
| 15 | 32.5 | 24.0 | 28 | 75 | 4.2 | | | 0.7 | 5.8 | - | - |
| 16 | 32.6 | 25.6 | 27 | 75 | 5.7 | | | 0.7 | 2.2 | 3 | - |
| 17 | 32.7 | 24.5 | 27 | 80 | 8.5 | | | 0.5 | 5.6 | 11 | 4 |
| 18 | 32.7 | 23.4 | 28 | 75 | 6.4 | | | 0.4 | 7.2 | 2 | - |
| 19 | 32.0 | 24.3 | 29 | 75 | 9.9 | | | 0.8 | X | 0 | - |
| 20 | 32.5 | 24.5 | 27 | 70 | 8.3 | | | 0.9 | Y | 18 | 0 |
| 21 | 33.4 | 23.5 | 29 | 75 | 10.5 | | | 0.4 | 5.9 | 1 | 5 |
| 22 | 33.0 | 24.5 | 28 | 75 | 0.7 | | | 0.5 | 7.2 | 0 | 1 |
| 23 | 35.0 | 25.0 | 27 | 84 | 2.5 | | | 0.5 | Y | 14 | 0 |
| 24 | 31.8 | 23.0 | 26 | 75 | 5.2 | | | 0.4 | X | 24 | 25 |
| 25 | 31.8 | 23.0 | 27 | 75 | 6.9 | | | 0.7 | 3.2 | 2 | 13 |
| 26 | 32.5 | 22.8 | 27 | 80 | 6.5 | | | 0.5 | 5.4 | 4 | 3 |
| 27 | 32.5 | 25.0 | 28 | 75 | 7.8 | | | 0.5 | 6.3 | - | 0 |
| 28 | 32.0 | 25.0 | 27 | 70 | 4.5 | | | 0.7 | X | 15 | - |
| 29 | 32.0 | 24.0 | 28 | 75 | 4.9 | | | 0.5 | 5.4 | 0 | 9 |
| 30 | 32.4 | 24.0 | 28 | 75 | 6.4 | | | 0.8 | 5.4 | - | - |
| 31 | 32.5 | 24.0 | 27 | 80 | 5.9 | | | 0.3 | 4.3 | 4 | - |
| Total | 992.6 | 232.5 | 271 | 2,190 | 214.6 | | | 17.9 | 100.4 | 160 | 112 |
| Days | 30 | 29 | 29 | 29 | 31 | | | 31 | 23 | 24 | 18 |
| Mean | 33.1 | 25.3 | 27 | 76 | 6.9 | | | 0.6 | 4.4 | 7 | 6 |
| Max. | 33.5 | 25.0 | 29 | 83 | 11.5 | | | 1.1 | 7.2 | 24 | 25 |
| Min. | 28.7 | 22.8 | 26 | 70 | 0 | | | 0.1 | 0 | 0 | 0 |

METEOROLOGICAL RECORD.

Station No. _____ Name P. SA. Jeejany Month November Year 1971
 Location Kab. Wayo Lat. 04° 07' 30" S Altitude: _____
 Rec. Tempa Desa _____ Lon. 120° 01' " E. El. 14 m.

| Day | Atmos. Temperature | | | R. Hu. midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|--------------------|------------|-------------|-----------------------|--------------|--------------------------------|----------------|-----------------|------------------------|--------------------------------|-------------------------------|
| | Max. C° | Min. C° | Mean. C° | | Hour. Hr. | Radiat. cal/cm ² | Direc- tion | Veloc. m/sec | | | |
| 1 | 29.8 | 22.1 | 28 | 70 | 10.0 | | | 0.5 | 4.0 | 0 | 3 |
| 2 | 29.5 | 24.0 | 29 | 75 | 8.4 | | | 0.5 | 4.1 | 7 | 4 |
| 3 | 30.8 | 22.6 | 28 | 75 | 9.6 | | | 0.5 | X | 14 | - |
| 4 | 30.8 | 23.6 | 27 | 80 | 4.5 | | | 0.5 | X | - | 4 |
| 5 | 30.9 | 23.3 | 28 | 75 | 8.7 | | | 0.4 | X | 5 | 1 |
| 6 | 31.4 | 25.0 | 28 | 75 | 6.7 | | | 0.2 | X | - | 8 |
| 7 | 31.7 | 24.3 | 28 | 75 | 9.3 | | | 1.5 | X | - | - |
| 8 | 32.0 | 24.2 | 28 | 90 | 10.6 | | | 0.6 | X | - | - |
| 9 | 32.5 | 22.9 | 27 | 80 | 5.6 | | | 0.5 | X | 25 | 2 |
| 10 | 32.3 | 24.3 | 28 | 75 | 6.8 | | | 0.5 | X | 8 | 2 |
| 11 | 32.3 | 26.3 | 28 | 75 | 7.0 | | | 0.5 | 7.0 | - | 5 |
| 12 | 32.5 | 23.8 | 28 | 75 | 7.0 | | | 0.5 | 4.5 | - | - |
| 13 | 32.2 | 25.3 | 28 | 75 | 8.6 | | | 1.4 | 5.4 | - | - |
| 14 | 31.5 | X | 28 | 70 | 10.4 | | | 1.3 | 7.2 | - | - |
| 15 | 31.8 | 26.2 | 28 | 70 | 9.5 | | | 0.5 | 6.4 | - | - |
| 16 | 31.9 | 22.7 | 27 | 70 | 9.0 | | | 0.2 | 4.6 | 2 | - |
| 17 | 29.8 | 24.7 | 28 | 70 | 8.5 | | | 0.2 | 5.4 | - | 10 |
| 18 | 32.5 | 25.3 | 29 | 70 | 7.1 | | | 0.2 | 5.9 | - | - |
| 19 | X | 23.3 | 29 | 70 | 9.8 | | | 0.6 | 7.2 | - | - |
| 20 | X | 23.3 | 29 | 75 | 9.5 | | | 0.8 | 7.2 | - | - |
| 21 | 32.3 | 25.9 | 28 | 70 | 8.9 | | | 1.2 | 7.2 | - | - |
| 22 | 32.0 | 26.3 | 28 | 75 | 3.3 | | | 1.3 | 7.2 | - | - |
| 23 | 31.9 | 25.2 | 29 | 70 | 7.3 | | | 1.0 | 9.0 | - | - |
| 24 | 31.7 | 26.7 | 28 | 75 | 3.2 | | | 1.5 | 4.5 | - | - |
| 25 | 31.9 | 28.4 | 28 | 90 | 7.6 | | | 1.2 | 7.2 | - | - |
| 26 | 32.8 | 23.8 | 28 | 70 | 6.2 | | | 0.6 | 6.3 | - | - |
| 27 | 31.0 | 24.3 | 28 | 90 | 10.0 | | | 0.5 | 7.4 | - | - |
| 28 | 32.7 | 25.5 | 28 | 70 | 4.0 | | | 0.7 | 6.7 | - | - |
| 29 | 32.2 | 24.7 | 28 | 65 | 4.3 | | | 0.8 | 7.2 | - | - |
| 30 | 31.5 | 24.3 | 28 | 90 | 1.3 | | | | 5.8 | - | - |
| 31 | | | | | | | | | | | |
| Total | 955.6 | 737.3 | 839 | 2,165 | 217.9 | | | 20.6 | 137.4 | 61 | 56.0 |
| Days | 28 | 29 | 30 | 30 | 30 | | | 29 | 22 | 6 | 9 |
| Mean | 34.0 | 25.4 | 28 | 72 | 7.3 | | | 0.7 | 6.2 | 10 | 6.2 |
| Mo'y. | | | | | | | | | | | |
| Max. | 32.8 | 28.4 | 29 | 90 | 10.6 | | | 1.5 | 9.0 | 25 | 28 |
| Min. | 29.8 | 22.6 | 27 | 65 | 1.3 | | | 0.2 | 4.5 | 0 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P354, Indrapur Month December Year 1975
 Location: Wazir Dist 04 ° 07 ' 30 " S. Altitude: _____
 Rec Temper Desa _____ Lon 120 ' 01 " E El. 19 m.

| Day | Air Temp. (Temperature) | | | R. Humidity | Sunshine | | Wind at Hr. | | Evaporation | Rain-fall (stand) | Rain-fall (auto) |
|-------|-------------------------|-----------|------------|-------------|----------|-----------|-----------------------------|------------|-------------|-------------------|------------------|
| | Max. (°C) | Min. (°C) | Mean. (°C) | | % | Hour. Hr. | Radiat. cal/cm ² | Dirac-tion | | | |
| 1 | 31.3 | 24.0 | X | X | 8.7 | | | 1.0 | 4.1 | - | - |
| 2 | 31.7 | 24.2 | X | X | 4.4 | | | 0.9 | 4.6 | - | - |
| 3 | 31.5 | 24.7 | 29 | 70 | 6.4 | | | 0.9 | 6.3 | 1 | 1 |
| 4 | 32.3 | 24.7 | 29 | 70 | 6.1 | | | 1.3 | 7.2 | - | - |
| 5 | 28.7 | 25.2 | 27 | 75 | 0.7 | | | 0.7 | 3.3 | 0 | - |
| 6 | 21.8 | 26.0 | 29 | 70 | 5.9 | | | 1.4 | 4.0 | - | 0 |
| 7 | 33.1 | 23.7 | X | X | 0.7 | | | 0.0 | 7.7 | - | - |
| 8 | 32.7 | 24.3 | 29 | 70 | 7.2 | | | 0.6 | 5.9 | - | - |
| 9 | 30.7 | 25.0 | 27 | 75 | 0.4 | | | 1.5 | 4.1 | 0 | 0 |
| 10 | 31.2 | 24.6 | 27 | 70 | 6.9 | | | 1.0 | 4.5 | 0 | - |
| 11 | 31.7 | 24.2 | 29 | 65 | 0.0 | | | 1.3 | 4.1 | - | - |
| 12 | 31.6 | 25.7 | X | X | 6.6 | | | 1.2 | 7.2 | - | - |
| 13 | 32.6 | 25.2 | 29 | 65 | 10.1 | | | 1.2 | 3.3 | 11 | - |
| 14 | 31.5 | 24.7 | 27 | 75 | 4.3 | | | 1.2 | 0.5 | 4 | 6 |
| 15 | 31.8 | 25.8 | 27 | 70 | 2.5 | | | 1.7 | 3.0 | 4 | 3 |
| 16 | 30.9 | 23.4 | 28 | 70 | 3.8 | | | 2.4 | 4.7 | 5 | 2 |
| 17 | 30.1 | 24.2 | 27 | 75 | 1.1 | | | 2.2 | X | 10 | 2 |
| 18 | 28.8 | 24.5 | 26 | 75 | 2.0 | | | 2.1 | X | 0 | 5 |
| 19 | 30.3 | 25.8 | 28 | 70 | 8.6 | | | 3.4 | 8.0 | 1 | 4 |
| 20 | 31.6 | 24.3 | 28 | 75 | 7.9 | | | 1.0 | 7.2 | - | 1 |
| 21 | 32.4 | 25.6 | 28 | 70 | 9.1 | | | 0.0 | 6.7 | - | - |
| 22 | 32.9 | 24.6 | 29 | 70 | 10.4 | | | 0.9 | 4.0 | - | - |
| 23 | 31.7 | 24.5 | 27 | 75 | 5.2 | | | 1.3 | 5.4 | 7 | 4 |
| 24 | 30.3 | X | 28 | 75 | 6.0 | | | 1.8 | 7.2 | 0 | - |
| 25 | 30.3 | 25.3 | 28 | 75 | 8.6 | | | 1.9 | 3.6 | - | - |
| 26 | 31.0 | 25.3 | 27 | 75 | 0.1 | | | 2.1 | 3.6 | - | - |
| 27 | 30.7 | 24.9 | 28 | 70 | 4.4 | | | 0.8 | 4.1 | - | - |
| 28 | 29.7 | 24.7 | 27 | 75 | 0.2 | | | 1.5 | 4.1 | - | - |
| 29 | 30.5 | 24.4 | - | - | 0.1 | | | 2.0 | 4.1 | 0 | - |
| 30 | 30.4 | 24.5 | - | - | 0.7 | | | 2.5 | 5.6 | 2 | 0 |
| 31 | X | 23.6 | - | - | 6.4 | | | 0.6 | 7.2 | - | 2 |
| Total | 935.6 | 745.8 | 666 | 1725 | 154.3 | | | 46.2 | 143.8 | 53 | 30 |
| Days | 30 | 30 | 24 | 27 | 31 | | | 31 | 29 | 13 | 13 |
| Mean | 31.3 | 24.9 | 28 | 72 | 5.0 | | | 1.5 | 5.1 | 4 | 2 |
| No'y. | | | | | | | | | | | |
| Max. | 33.1 | 26.2 | 29 | 75 | 10.4 | | | 3.4 | 8.0 | 11 | 6 |
| Min. | 28.8 | 23.6 | 26 | 65 | 0.1 | | | 0.7 | 0.5 | 0 | 0 |

THE METEOROLOGICAL RECORD

Station No. _____ Name P3.54. Sengkang Month January Year 1976
 Location: Wajo Lat: 04° 07' 32" S Altitude: _____
 Rec: Temp Desn: _____ Lon: 120° 01' _____" E El: 19 m

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (storm) mm | Rain- fall (cute) mm |
|-------|--------------------|-------|-------|-----------------------|----------|---------------------|-------------|-------|------------------------|--------------------------------|-------------------------------|
| | Max | Min | Mean | | Hour | Radiat | Dirac- | Veloc | | | |
| | °C | °C | °C | | Hr. | cal/cm ² | tion | m/sec | | | |
| 1 | 33.5 | 24.0 | 29 | 70 | 9.5 | | | 0.8 | 6.5 | - | |
| 2 | 32.0 | 24.0 | 29 | 65 | 8.7 | | | 0.8 | 7.2 | - | |
| 3 | 31.0 | 25.0 | 28 | 40 | 6.9 | | | 1.4 | 7.7 | - | |
| 4 | 28.8 | 25.0 | X | X | 3.9 | | | 0.3 | 8.0 | - | |
| 5 | 34.0 | 27.0 | X | X | 6.4 | | | 0.7 | 6.3 | - | |
| 6 | 33.0 | 26.0 | 29 | 55 | 8.3 | | | 1.5 | 7.6 | - | |
| 7 | 32.0 | 25.0 | 28 | 65 | 9.6 | | | 1.5 | 7.5 | - | |
| 8 | 35.0 | 25.0 | 29 | 70 | 8.2 | | | 1.0 | 7.2 | 3 | 3 |
| 9 | 32.0 | 24.0 | 28 | 70 | 9.4 | | | 1.4 | 6.7 | - | |
| 10 | 33.0 | 24.0 | 28 | 70 | 7.4 | | | 1.0 | 6.6 | 1 | 1 |
| 11 | 32.0 | 24.0 | 28 | 75 | 0 | | | 2.2 | 5.0 | 1 | 1 |
| 12 | 29.0 | 25.0 | 27 | 75 | 2.6 | | | 2.0 | 5.6 | 1 | 1 |
| 13 | 32.0 | 24.0 | 28 | 75 | 3.2 | | | 1.9 | 4.2 | 4 | 2 |
| 14 | 29.0 | 24.0 | 26 | 75 | 0.1 | | | 1.9 | 2.3 | 7 | 6 |
| 15 | 29.5 | 23.0 | 26 | 80 | 1.3 | | | 0.9 | 2.4 | 2 | 5 |
| 16 | 30.1 | 25.0 | 28 | 75 | 4.6 | | | 1.0 | 4.5 | 4 | 6 |
| 17 | 31.5 | 26.0 | 29 | 70 | 9.5 | | | 1.7 | 7.2 | - | |
| 18 | 32.3 | 26.0 | 29 | 65 | 7.8 | | | 1.7 | 7.2 | - | |
| 19 | 33.0 | 25.0 | 29 | 55 | 7.2 | | | 1.3 | 1.2 | - | |
| 20 | 33.0 | 25.0 | 29 | 70 | 3.5 | | | 1.0 | 1.0 | - | |
| 21 | 31.2 | 25.0 | 28 | 70 | 0.1 | | | 0.8 | 7.2 | - | |
| 22 | 30.5 | 24.0 | 26 | 75 | 1.7 | | | 0.7 | 3.0 | 5 | |
| 23 | 33.0 | 23.0 | 28 | 70 | 6.6 | | | 0.7 | 5.6 | 1 | 7 |
| 24 | 31.7 | 24.0 | 28 | 65 | 8.9 | | | 1.3 | 7.0 | 0 | 2 |
| 25 | 31.7 | 25.0 | 28 | 70 | 7.4 | | | 1.5 | 7.0 | - | |
| 26 | 31.7 | 25.0 | 28 | 75 | 5.1 | | | 2.2 | 6.3 | - | |
| 27 | 32.3 | 24.0 | 28 | 70 | 6.2 | | | 1.8 | 5.0 | - | |
| 28 | 32.2 | 23.0 | 28 | 70 | 10.3 | | | 1.4 | 7.2 | - | |
| 29 | 34.0 | 25.0 | 29 | 65 | 11.2 | | | 0.9 | 7.7 | - | |
| 30 | 33.5 | 25.0 | 28 | 70 | 7.2 | | | 1.0 | 5 | - | |
| 31 | 32.7 | 25.0 | 28 | 70 | 7.5 | | | 1.5 | 4.1 | - | |
| Total | 992.3 | 764.0 | 810.0 | 2045 | 193.8 | | | 38.8 | 185.0 | 29 | 34 |
| Days | 31 | 31 | 29 | 29 | 31 | | | 31 | 31 | 11 | 10 |
| Mean | 32.0 | 24.6 | 28 | 71 | 6.3 | | | 1.3 | 6.0 | 3 | 3 |
| Moity | | | | | | | | | | | |
| Max | 35.2 | 27.0 | 29.0 | 80 | 11.2 | | | 2.2 | 8.0 | 7 | 7 |
| Min | 27.2 | 22.0 | 26.0 | 65 | 0 | | | 0.3 | 0 | 0 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name PASA Sangley Month February Year 1976
 Location: Wajo Lat 09° 07' 30" S Altitude _____
 _____ Temp. _____ Desn _____ Lon 120° 01' E El 14 m

| Day | Air Temperature | | | RH % | Sunshine | | Wind at Ht. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|-----------------|-----------|------------|---------|------------|--------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour hr | Partial cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 28.5 | 26.7 | 28 | 70 | 8.2 | | | 1.2 | 7.2 | - | - |
| 2 | 32.0 | 28.5 | 29 | 75 | 8.9 | | | 3.3 | 6.0 | 1 | - |
| 3 | 29.6 | X | 26 | 75 | 0 | | | 1.9 | 1.8 | 10 | 6 |
| 4 | 31.0 | 23.3 | 28 | 65 | 10.4 | | | 1.5 | 4.6 | 0 | 5 |
| 5 | 30.5 | 24.3 | 29 | 70 | 0.7 | | | 0.9 | 7.2 | 1 | 1 |
| 6 | 33.5 | 24.3 | 29 | 65 | 7.1 | | | 0.9 | 7.7 | - | - |
| 7 | 33.3 | 24.5 | 29 | 70 | 5.8 | | | 1.1 | 7.2 | - | - |
| 8 | 33.3 | 24.7 | 28 | 65 | 9.0 | | | 1.7 | 7.7 | - | - |
| 9 | 33.5 | 25.2 | 28 | 65 | 2.0 | | | 0.9 | 7.7 | - | 0 |
| 10 | 33.5 | 24.3 | 30 | 60 | 9.6 | | | 1.3 | 7.5 | - | - |
| 11 | 33.7 | 24.5 | 29 | 65 | 5.0 | | | 1.1 | 5.9 | - | - |
| 12 | 33.5 | 25.0 | 28 | 65 | 7.1 | | | 1.0 | 7.2 | - | - |
| 13 | 31.5 | 23.8 | 29 | 70 | 6.0 | | | 1.4 | 4.2 | 7 | - |
| 14 | 32.9 | 23.6 | 28 | 65 | 10.5 | | | 2.6 | 7.2 | - | 6 |
| 15 | 32.7 | 24.5 | 29 | 65 | 9.7 | | | 1.3 | 7.7 | - | - |
| 16 | 33.6 | 24.9 | 28 | 65 | 7.1 | | | 1.0 | 6.3 | - | - |
| 17 | X | 24.5 | 29 | 65 | 0.5 | | | 0.7 | 6.5 | - | - |
| 18 | 30.2 | 25.3 | 29 | 65 | 7.0 | | | 0.9 | 7.2 | - | - |
| 19 | 30.3 | 26.4 | 29 | 65 | 9.0 | | | 0.7 | 6.3 | - | - |
| 20 | 34.0 | 25.3 | 28 | 65 | 6.3 | | | 2.1 | 7.7 | - | - |
| 21 | 33.3 | 24.9 | 30 | 60 | 9.2 | | | 4.0 | 7.7 | - | - |
| 22 | 32.7 | 26.5 | 29 | 65 | 4.6 | | | 1.5 | 8.0 | - | - |
| 23 | 33.3 | 26.2 | 29 | 60 | 7.8 | | | 1.6 | 7.2 | - | - |
| 24 | 33.9 | 26.2 | 29 | 65 | 7.8 | | | 2.1 | 6.3 | - | - |
| 25 | 33.0 | 24.7 | 28 | 70 | 7.0 | | | 1.7 | 7.6 | - | - |
| 26 | 32.7 | 24.7 | 29 | 65 | 4.5 | | | 2.4 | 6.8 | - | - |
| 27 | 32.7 | 24.5 | X | X | 4.8 | | | 1.2 | 3.0 | 2 | - |
| 28 | 29.7 | 23.7 | X | X | 8.2 | | | 1.0 | 7.2 | - | 3 |
| 29 | 31.0 | 25.0 | 29 | 65 | 5.8 | | | 0.1 | 6.7 | - | - |
| 30 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| Total | 906.6 | 698 | 777 | 66 | 178.5 | | | 42.8 | 180.8 | 21 | 21 |
| Days | 28 | 28 | 27 | 27 | 29 | | | 29 | 29 | 6 | 6 |
| Mean | 32.4 | 27.9 | 28.8 | 66 | 7.0 | | | 1.5 | 6.6 | 4 | 4 |
| Moly: | | | | | | | | | | | |
| Max | 33.9 | 29.9 | 30 | 70 | 10.5 | | | 4.0 | 8.0 | 10 | 6 |
| Min | 29.0 | 23.6 | 26 | 60 | 2.7 | | | 0.1 | 1.8 | 0 | 4 |

METEOROLOGICAL RECORD

Station No. _____ Name P. Sh. Supt. Camp Month March Year 1976
 Location: Wajo Dist. 09° 07' 30" S Altitude: _____
 Precip. Temp Desig. _____ Lon. 120° 01' _____ E El. 14 m

| Day | Air Temp. (C°) | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|----------------|------|------|-----------------------|----------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max | Min | Mean | | Hour | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 29.7 | X | - | - | 11.0 | | | 1.8 | 9.0 | - | - |
| 2 | 30.0 | 28.2 | 28 | 70 | 8.0 | | | 1.7 | 8.6 | 4 | - |
| 3 | 29.1 | 24.0 | 29 | 65 | 4.9 | | | 0.8 | X | - | 5 |
| 4 | 32.2 | 24.0 | 29 | 70 | 4.0 | | | 1.2 | X | - | - |
| 5 | 32.2 | 24.7 | 28 | 75 | 4.1 | | | 0.9 | X | - | - |
| 6 | 33.3 | 24.3 | 27 | 70 | 6.2 | | | 0.9 | 8.2 | 3 | 1 |
| 7 | 33.3 | 20.3 | 28 | 70 | 3.9 | | | 1.2 | 10.3 | - | 9 |
| 8 | 31.5 | 34.2 | 28 | 70 | 6.0 | | | 0.9 | 7.2 | - | - |
| 9 | 29.8 | 30.0 | 27 | 75 | 6 | | | 1.7 | 6.3 | - | - |
| 10 | 31.3 | 26.0 | 29 | 65 | 7.1 | | | 1.8 | 2.6 | - | - |
| 11 | X | 24.3 | 29 | 70 | 8.0 | | | 2.3 | 6.3 | 4 | - |
| 12 | 32.5 | 24.5 | 27 | 70 | 3.6 | | | 1.5 | 7.9 | 6 | 25 |
| 13 | 33.2 | X | 29 | 65 | 7.5 | | | 1.8 | 9.5 | - | - |
| 14 | 33.5 | X | 29 | 70 | 6.9 | | | 1.2 | 4.0 | 15 | 13 |
| 15 | 32.5 | 24.8 | 29 | 65 | 6.5 | | | 2.9 | 7.2 | - | - |
| 16 | 33.3 | 26.0 | 30 | 60 | 7.7 | | | 2.4 | 7.2 | - | - |
| 17 | 33.2 | 25.5 | 30 | 60 | 8.7 | | | 2.4 | 7.2 | - | - |
| 18 | 34.2 | 25.7 | 30 | 60 | 8.1 | | | 2.0 | 2.5 | - | - |
| 19 | 29.2 | 25.7 | 27 | 70 | 1.1 | | | 1.8 | 6.3 | 20 | 18 |
| 20 | 30.3 | X | 27 | 65 | 1.4 | | | 1.9 | 4.0 | 12 | - |
| 21 | 27.0 | 26.5 | 28 | 70 | 0.3 | | | 1.8 | 0.4 | - | 13 |
| 22 | 33.3 | 25.0 | 29 | 65 | 8.0 | | | 1.7 | 7.2 | - | - |
| 23 | 32.2 | 24.0 | 28 | 70 | 3.2 | | | 1.1 | 5.5 | 1 | 1 |
| 24 | 32.8 | 24.5 | 30 | 65 | 9.2 | | | 1.0 | 3.6 | - | - |
| 25 | 34.5 | 24.2 | 29 | 65 | 4.2 | | | 1.1 | 7.2 | - | - |
| 26 | 33.3 | 21.0 | 29 | 65 | 6.0 | | | 1.0 | 6.3 | - | - |
| 27 | 33.2 | 25.0 | 29 | 65 | 6.6 | | | 1.6 | 6.0 | - | - |
| 28 | 33.7 | 25.0 | 29 | 65 | 8.0 | | | 1.6 | 7.2 | - | - |
| 29 | 33.8 | 25.0 | 29 | 65 | 7.9 | | | 1.6 | 6.3 | - | - |
| 30 | 33.3 | 24.2 | 28 | 70 | 6.9 | | | 1.2 | 6.3 | - | - |
| 31 | 28.9 | 23.8 | 26 | 75 | 0.4 | | | 0 | 0 | 5 | - |
| Total | 76.2 | 66.8 | 85.9 | 204.0 | 185.5 | | | 45.8 | 112.9 | 85 | 10 |
| Days | 30 | 27 | 30 | 30 | 31 | | | 30 | 28 | 9 | 8 |
| Mean | 32.1 | 24.8 | 28 | 62 | 6.0 | | | 1.5 | 5.8 | 9 | 16 |
| Max | 33.8 | 26.5 | 30 | 80 | 11.0 | | | 2.4 | 10.3 | 20 | 25 |
| Min | 27.0 | 23.8 | 26 | 65 | 0.4 | | | 0.8 | 0 | 1 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P3 SA Suptery Month April Year 1976
 Location: Wajo at 04° 07' 30" S Altitude: _____
 Rec: Tanjung Desa _____ on 120° 01' " E. El. 14 m

| Day | Air Temp. | | | R. Hu- midity % | Sunshine | | Wind | | Evapo- ration mm | Rain- fall (stand.) mm | Rain- fall (auto.) mm |
|-------|-----------|----------|-----------|-----------------------|------------|-------------------------------|----------------|----------------|------------------------|---------------------------------|--------------------------------|
| | Max C | Min C | Mean C | | Hour Hr | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 32.4 | 23.0 | 28 | 75 | 6.0 | | | 0.9 | 4.1 | - | 5 |
| 2 | 32.0 | 23.0 | 28 | 65 | 0.7 | | | 1.1 | 7.2 | - | - |
| 3 | 32.3 | 23.0 | 27 | 70 | 3.3 | | | 0.1 | 7.2 | - | - |
| 4 | x | 24.3 | 28 | 65 | 10.2 | | | 2.2 | 7.2 | - | - |
| 5 | 31.8 | 23.7 | 28 | 70 | 7.0 | | | 1.1 | 6.6 | 0 | - |
| 6 | 31.3 | 23.8 | 27 | 70 | 2.7 | | | 0.8 | 5.6 | 3.4 | 3 |
| 7 | 32.0 | 22.2 | 27 | 75 | 5.7 | | | 0.8 | 5.0 | 2 | 3.8 |
| 8 | 31.9 | 22.2 | 27 | 70 | 7.4 | | | 1.1 | 6.3 | - | 3 |
| 9 | 32.0 | 24.5 | 29 | 65 | 8.0 | | | 1.1 | 7.2 | - | - |
| 10 | 32.7 | 24.3 | 28 | 65 | 8.5 | | | 1.1 | 7.5 | 0 | - |
| 11 | 32.7 | 23.0 | 28 | 70 | 9.5 | | | 0.9 | 6.9 | - | 3 |
| 12 | 32.3 | 22.8 | 28 | 65 | 5.6 | | | 0.9 | 9.6 | - | - |
| 13 | 32.3 | 24.2 | 29 | 65 | 5.6 | | | 1.2 | 6.8 | - | - |
| 14 | 32.3 | 23.3 | 28 | 70 | 6.8 | | | 1.1 | x | 12 | - |
| 15 | 32.0 | 23.7 | 27 | 75 | 1.5 | | | 0.8 | 4.6 | 1 | 7 |
| 16 | 32.7 | 22.0 | 27 | 75 | 2.1 | | | 0.9 | 4.1 | 1 | 1 |
| 17 | 33.0 | 22.2 | 26 | 75 | 9.8 | | | 0.9 | 3.0 | 3.3 | - |
| 18 | 32.5 | 25.7 | 28 | 70 | 7.5 | | | 1.0 | 5.6 | 2 | 3.9 |
| 19 | 32.5 | x | 28 | 70 | 1.5 | | | 1.3 | 7.0 | 2.0 | - |
| 20 | 32.2 | 22.8 | 28 | 70 | 10.0 | | | 1.4 | 6.4 | 2 | 3.9 |
| 21 | 31.9 | 22.6 | 28 | 65 | 10.8 | | | 1.3 | 5.4 | - | - |
| 22 | 32.5 | 21.9 | 28 | 65 | 8.8 | | | 1.1 | 5.4 | - | - |
| 23 | 30.1 | 23.3 | 27 | 75 | 4.3 | | | 0.8 | 4.6 | - | - |
| 24 | 32.2 | 22.0 | 28 | 70 | 7.9 | | | 1.0 | 4.1 | - | 1 |
| 25 | 31.9 | 22.7 | 28 | 70 | 9.7 | | | 1.4 | 6.4 | - | - |
| 26 | 30.8 | 25.3 | 28 | 70 | 9.0 | | | 2.0 | 5.4 | - | 1 |
| 27 | 31.8 | 22.5 | 27 | 75 | 3.5 | | | 1.1 | 3.3 | - | - |
| 28 | 31.5 | 23.9 | 28 | 70 | 8.8 | | | 1.4 | 3.6 | - | 1.4 |
| 29 | 31.9 | 23.3 | 28 | 70 | 6.1 | | | 1.3 | 2.0 | - | - |
| 30 | 30.2 | 23.5 | 28 | 75 | 5.1 | | | - | 3.5 | 4 | 2 |
| 31 | | | | | | | | | | | |
| Total | 932.4 | 676.3 | 261 | 20.8 | 210.4 | | | 32.1 | 152.9 | 11.1 | 15.6 |
| Days | 29 | 29 | 30 | 30 | 30 | | | 2.9 | 2.9 | 1.3 | 1.3 |
| Mean | 32.2 | 22.3 | 28.7 | 69.8 | 7.0 | | | 1.1 | 5.3 | 0.7 | 1.2 |
| Mo'y | | | | | | | | | | | |
| Max. | 33.3 | 25.2 | 29 | 75 | 10.8 | | | 2.2 | 7.2 | 3.4 | 3.9 |
| Min. | 30.2 | 21.7 | 27 | 65 | 2.7 | | | 0.1 | 2.0 | 0 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P. SA Sungsang Month May Year 1976
 Location: Wajo Lat 04° 07' 30" S Altitude: _____
 Acc Tempo Desa _____ Lon 120° 01' E El 14 m.

| Day | Air temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|------------|-----------------|-----------|------------|-----------------------|-----------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hou- r | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | | | 28 | 70 | 7.7 | | | 1.2 | X | 4 | 3 |
| 2 | 30.0 | 23.0 | 25 | 75 | 5.5 | | | 0.3 | X | X | 67 |
| 3 | 30.0 | 23.0 | 27 | 75 | 2.5 | | | 3.0 | 2.8 | 48 | 47 |
| 4 | 31.0 | 23.0 | 26 | 80 | 0 | | | 2.5 | 3.2 | X | 28 |
| 5 | 29.4 | 23.0 | 26 | 75 | 5.5 | | | 1.3 | 2.9 | 1 | 9 |
| 6 | 31.0 | 22.5 | 27 | 80 | 2.4 | | | 1.1 | 4.0 | 10 | 4 |
| 7 | 31.0 | 23.0 | 28 | 75 | 7.9 | | | 0.9 | 5.2 | 0 | 8 |
| 8 | X | 23.0 | 27 | 80 | 1.1 | | | 0.8 | 4.6 | 7 | 7 |
| 9 | 29.0 | 23.0 | 27 | 75 | 4.5 | | | 0.7 | 4.1 | - | 1 |
| 10 | 31.0 | 23.0 | 26 | 70 | 7.4 | | | 1.5 | 5.4 | - | - |
| 11 | 32.2 | 23.0 | 27 | 75 | 0.1 | | | 0.6 | 4.5 | 0 | - |
| 12 | 32.0 | 22.5 | 26 | 75 | 7.7 | | | 0.9 | 5.4 | - | - |
| 13 | 32.0 | 21.5 | 25 | 75 | 2.9 | | | 1.0 | 4.5 | - | - |
| 14 | 30.0 | 25.0 | 27 | 80 | 0.5 | | | 0.9 | 7.2 | - | - |
| 15 | 32.0 | 24.0 | X | X | 2.2 | | | 0.9 | 5.4 | - | - |
| 16 | 30.5 | 22.0 | 26 | 75 | 5.6 | | | 0.9 | 4.1 | - | - |
| 17 | 30.5 | X | 27 | 70 | 8.0 | | | 1.0 | 4.5 | - | - |
| 18 | 30.5 | 22.0 | 27 | 70 | 9.8 | | | 1.3 | 5.4 | - | - |
| 19 | 30.5 | 22.0 | 28 | 65 | 10.6 | | | 1.5 | 6.3 | - | - |
| 20 | 31.0 | 22.5 | 26 | 70 | 7.6 | | | 1.6 | 4.7 | - | - |
| 21 | 31.5 | 22.0 | 28 | 70 | 9.3 | | | 1.1 | 4.7 | - | - |
| 22 | 31.9 | 22.5 | 26 | 70 | 6.6 | | | 1.3 | 4.7 | - | - |
| 23 | 30.5 | 23.0 | 28 | 70 | 6.7 | | | 1.5 | 4.1 | - | - |
| 24 | 30.5 | 21.5 | 25 | 70 | 0.6 | | | 1.6 | 4.3 | - | - |
| 25 | 30.5 | 23.0 | 27 | 75 | 1.5 | | | 1.7 | X | - | - |
| 26 | 30.5 | 22.5 | 28 | 70 | 3.6 | | | 1.9 | 4.6 | 35 | X |
| 27 | 29.0 | 23.0 | 28 | 75 | 8.0 | | | 1.5 | X | - | 1 |
| 28 | 31.5 | 24.0 | 27 | 75 | 10.3 | | | 1.3 | 4.1 | X | X |
| 29 | 31.5 | 23.0 | 28 | 70 | 6.7 | | | 1.5 | 4.1 | 0 | - |
| 30 | 30.5 | 23.0 | 28 | 70 | 7.3 | | | 1.5 | 5.5 | 2 | - |
| 31 | | | 20 | X | 5.1 | | | 1.7 | 4.1 | - | 1 |
| Total | 255.2 | 140.9 | 129 | 185 | 187.5 | | | 29.5 | 121.9 | 105 | 176 |
| Days | 29 | 29 | 30 | 29 | 31 | | | 31 | 28 | 9 | 11 |
| Mean | 29.5 | 22.1 | 28 | 69 | 6.0 | | | 1.3 | 4.5 | 11.7 | 16 |
| Mo- bly | | | | | | | | | | | |
| Max | 32.2 | 25.0 | 28 | 80 | 10.6 | | | 2.5 | 6.5 | 48 | 67 |
| Min | 27.0 | 21.5 | 27 | 15 | 0.5 | | | 0.3 | 2.8 | 0 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. S. Sengupta Month June Year 1976
 Location: Wajo Lat: 04° 07' 30" S Altitude: _____
 Dist: _____ Desa: _____ Lon: 120° 01' _____ E El: 14 m

| Day | Air Temp. (C) | | | R. Humidity (%) | Sunshine | | Wind at Hr | | Evaporation (mm) | Rain-fall (stand. mm) | Rain-fall (auto) (mm) |
|-------|---------------|-------|------|-----------------|----------|-------------------------------|------------|---------------|------------------|-----------------------|-----------------------|
| | Max | Min | Mean | | Hour | Radiat (cal/cm ²) | Dirac-tion | Veloc (m/sec) | | | |
| 1 | 30.0 | 23.5 | 28 | 70 | 8.0 | | | 0.7 | 5.6 | 4 | - |
| 2 | 30.0 | 23.0 | 28 | 75 | 7.8 | | | 1.3 | 3.2 | 21 | 2.0 |
| 3 | 30.0 | 23.0 | 27 | 70 | 1.0 | | | 1.4 | 2.6 | 9 | 6 |
| 4 | 30.0 | 23.0 | 27 | 80 | 9.3 | | | 1.4 | 4.0 | - | 8 |
| 5 | x | 24.5 | 27 | 75 | 7.9 | | | 1.3 | 5.0 | 11 | - |
| 6 | x | 24.5 | 26 | 85 | 3.0 | | | 1.3 | 3.0 | 32 | 11 |
| 7 | 28.5 | 21.5 | 23 | 85 | 0.6 | | | 1.1 | 1.6 | 9 | 43 |
| 8 | 28.5 | 21.5 | 24 | 85 | 3.7 | | | 1.1 | 1.0 | 3 | 7 |
| 9 | 28.5 | 22.0 | 25 | 75 | 7.1 | | | 1.0 | 1.2 | 3 | 5 |
| 10 | 29.5 | 22.5 | 25 | 75 | 0.0 | | | 1.5 | 4.1 | 1 | 3 |
| 11 | 29.0 | 22.0 | 25 | 70 | 6.9 | | | 1.2 | 3.2 | 3 | - |
| 12 | 30.2 | 22.0 | 24 | 75 | 3.7 | | | 1.4 | 3.2 | 12 | 4 |
| 13 | 29.5 | 22.5 | 24 | 75 | 1.8 | | | 1.3 | 2.5 | 2 | 14 |
| 14 | 30.5 | 23.0 | 27 | 75 | 8.2 | | | 1.2 | 4.5 | - | 2 |
| 15 | 29.0 | 22.5 | 25 | 75 | 9.3 | | | 1.4 | 4.7 | - | - |
| 16 | 28.5 | 21.0 | 24 | 85 | 2.0 | | | 1.3 | 2.0 | 1 | - |
| 17 | 28.5 | 21.0 | x | 85 | 0.6 | | | 0.8 | 4.5 | 8 | 2 |
| 18 | 27.5 | 22.0 | 24 | 85 | 2.8 | | | 0.8 | 7.1 | 45 | 9 |
| 19 | 27.5 | 22.0 | x | 85 | 3.4 | | | 0.9 | 2.8 | 17 | 44 |
| 20 | 26.0 | 21.0 | x | 85 | 2.0 | | | 1.0 | x | - | 1 |
| 21 | 28.5 | 22.0 | 26 | 75 | x | | | 0.6 | 5.4 | - | x |
| 22 | 29.0 | 22.0 | 26 | 75 | 7.0 | | | 1.3 | 3.6 | - | - |
| 23 | 29.5 | 22.0 | 26 | 70 | 6.7 | | | 1.1 | 4.0 | - | - |
| 24 | 29.5 | 22.0 | 26 | 75 | 7.2 | | | 1.3 | 4.1 | - | - |
| 25 | 29.5 | 22.0 | 26 | 75 | x | | | 1.3 | 4.1 | - | - |
| 26 | 29.0 | 22.0 | 25 | 70 | 8.4 | | | 1.7 | 4.5 | - | 0 |
| 27 | 29.0 | 22.5 | 25 | 75 | 4.4 | | | 1.4 | 3.2 | 1 | - |
| 28 | 29.0 | 23.0 | x | x | 3.5 | | | 1.6 | 3.4 | - | 1 |
| 29 | 29.0 | 23.0 | 26 | 70 | 5.1 | | | 1.2 | 7.4 | x | - |
| 30 | 29.5 | 22.5 | 24 | 85 | 9.3 | | | 1.2 | x | x | 20 |
| 31 | | | | | | | | | | | |
| Total | 889.2 | 671.0 | 659 | 2190 | 141.9 | | | 36.1 | 105.5 | 182 | 200 |
| Days | 28 | 30 | 26 | 29 | 28 | | | 30 | 28 | 17 | 18 |
| Mean | 28.9 | 22.4 | 25 | 76 | 5.1 | | | 1.2 | 3.8 | 11 | 11 |
| Max. | 30.0 | 23.5 | 28 | 85 | 9.3 | | | 1.7 | 7.4 | 45 | 44 |
| Min. | 26.0 | 21.0 | 23 | 70 | 0.6 | | | 0.6 | 1.0 | 1 | 0 |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. S. Supt. J. S. Supt. Month July Year 1976
 Location: Way Lat. 04° 07' 30" S Altitude: _____
Tempo Jesa Lon. 120° 01' 00" E Cl. 14 m.

| Day | Air temperature | | | RH - humidity | Sunshine | | Wind at Hr. | | Evapo- ration | Rain- fall (Std) | Rain- fall (Auto) |
|-------|-----------------|-------|-----|------------------|----------|---------------------|----------------|-----------------|------------------|------------------------|-------------------------|
| | Max | Air | Min | | Hour | Radia- tion | Dirac- tion | Veloc- m/sec | | | |
| | °C | °C | °C | % | Hr | cal/cm ² | | | mm | mm | mm |
| 1 | 28.0 | 23.0 | 24 | 80 | 5.4 | | | 0.7 | 7 | 8 | 7 |
| 2 | 28.5 | 23.0 | 25 | 75 | 0.9 | | | 1.1 | 3.6 | - | 7 |
| 3 | 28.5 | 23.5 | 25 | 75 | 6.4 | | | 1.5 | 8.4 | - | - |
| 4 | X | 22.8 | 23 | 85 | 1.1 | | | 1.7 | 0.1 | 142 | 7 |
| 5 | 28.5 | 23.5 | 25 | 75 | 7.9 | | | 1.1 | 4.8 | 3 | 51 |
| 6 | 28.5 | X | 25 | 70 | 9.3 | | | 1.5 | 5.8 | - | 3 |
| 7 | 28.0 | X | 25 | 70 | 3.1 | | | 1.5 | 3.9 | 3 | 2 |
| 8 | 29.0 | 22.5 | 25 | 75 | 3.6 | | | 1.4 | 2.1 | - | 2 |
| 9 | 28.9 | 22.5 | 25 | 75 | 5.2 | | | 1.6 | 7 | 3 | - |
| 10 | 28.5 | 23.5 | 25 | 80 | 2.1 | | | 1.5 | 4.9 | 90 | 7 |
| 11 | 27.0 | 22.0 | 26 | 75 | 2.8 | | | 0.9 | 3.6 | - | 7 |
| 12 | 28.5 | 22.5 | 24 | 75 | 4.7 | | | 1.1 | 3.0 | - | 3 |
| 13 | 28.5 | 22.5 | 25 | 70 | 7.0 | | | 1.0 | 5.0 | - | - |
| 14 | 28.5 | 21.5 | 25 | 70 | 9.1 | | | 1.3 | 2.7 | - | - |
| 15 | 28.6 | 22.0 | 24 | 70 | 9.4 | | | 1.2 | 5.4 | - | - |
| 16 | 28.7 | 21.5 | 24 | 65 | 9.4 | | | 1.7 | 5.4 | - | - |
| 17 | 28.5 | X | 24 | 70 | 9.1 | | | 1.8 | 6.4 | - | - |
| 18 | 28.5 | 21.0 | 25 | 70 | X | | | 1.5 | 5.4 | - | - |
| 19 | 28.5 | 21.5 | - | X | 7 | | | 1.6 | 5.6 | - | - |
| 20 | 28.5 | 21.5 | 26 | 70 | 6.2 | | | 1.9 | 4.5 | - | - |
| 21 | 29.0 | 21.0 | 25 | 70 | 8.3 | | | 2.2 | 5.1 | - | - |
| 22 | 28.5 | 21.0 | 25 | 70 | 9.1 | | | 1.9 | 4.6 | - | - |
| 23 | 29.0 | 21.0 | 25 | 70 | 6.5 | | | 1.8 | 5.4 | 1 | 1 |
| 24 | 28.5 | 21.5 | 25 | 75 | 5.3 | | | 1.8 | 5.8 | 4 | - |
| 25 | 28.7 | 21.5 | 25 | 70 | 1.6 | | | 1.6 | 5.4 | - | 5 |
| 26 | 30.0 | 22.5 | 25 | 75 | 6.4 | | | 1.3 | 3.2 | - | - |
| 27 | 28.0 | 23.0 | 26 | 70 | 7.2 | | | 1.3 | 5.0 | - | - |
| 28 | 28.5 | 22.0 | 26 | 70 | 8.7 | | | 1.5 | 5.0 | - | - |
| 29 | 29.5 | 22.0 | 25 | 70 | 9.3 | | | 1.6 | 6.8 | - | - |
| 30 | 29.5 | 22.0 | 28 | 65 | 9.3 | | | 1.7 | 7 | 14 | - |
| 31 | X | 22.0 | 25 | 75 | 6.3 | | | | 3.4 | 66 | 7 |
| Total | 836.4 | 617.8 | 745 | 2180 | 179.7 | | | 44.3 | 129.3 | 334 | 67 |
| Days | 28 | 28 | 30 | 30 | 29 | | | 30 | 28 | 16 | 7 |
| Mean | 30.6 | 22.1 | 25 | 73 | 6.2 | | | 1.5 | 4.6 | 33 | 10 |
| Max | 32.0 | 23.5 | 26 | 80 | 9.4 | | | 2.2 | 6.8 | 142 | 51 |
| Min | 21.5 | 21.7 | 24 | 15 | 1.1 | | | 0.7 | 0.1 | 1 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P.S.G. Jangam Month August Year 1976
 Location: Lat. W 21 Lon. 94° 07' 30" S Altitude: _____
 Rec Temp Descr _____ Lon. 72° 01' _____ E El. 14. m

| Day | Atmos. Temperature | | | R. H. % | Sunshine | | Wind at Hr | | Evapo- ration min | Rain- fall (stars) mm | Rain- fall (auto) mm |
|-------|--------------------|-------|------|------------|----------|---------------------|------------|-------|-------------------------|--------------------------------|-------------------------------|
| | Max | Min | Mean | | Hour | Radial | Dirac- | Veloc | | | |
| | C° | C° | C° | | Hr. | cal/cm ² | tion | m/sec | | | |
| 1 | 27.5 | 21.5 | 26 | 75 | 6.3 | | | 1.4 | X | | 2 |
| 2 | 29.2 | 21.5 | 25 | 75 | 7.6 | | | 1.7 | 5.8 | | 2 |
| 3 | 29.0 | 22.0 | 25 | 67 | 10.4 | | | 2.1 | 5.0 | | 1 |
| 4 | 29.0 | 22.0 | 25 | 70 | 7.5 | | | 2.0 | 5.8 | | 1 |
| 5 | 29.0 | 22.0 | 25 | 70 | 10.2 | | | 2.2 | 6.1 | | 1 |
| 6 | 29.2 | 21.0 | 25 | 70 | 9.7 | | | 1.4 | 5.9 | | 1 |
| 7 | 29.5 | 21.0 | 25 | 70 | 9.8 | | | 1.3 | 5.9 | | 1 |
| 8 | 29.0 | 21.0 | 25 | 65 | 9.7 | | | 1.5 | 5.8 | | 1 |
| 9 | 29.0 | 21.5 | 25 | 70 | 7.2 | | | 1.8 | 6.7 | | 1 |
| 10 | 29.2 | 23.0 | 26 | 70 | 9.4 | | | 1.7 | 3.6 | | 1 |
| 11 | 29.0 | 20.0 | 25 | 70 | 9.1 | | | 1.3 | 3.4 | | 1 |
| 12 | 29.5 | 20.0 | 25 | 70 | 7.7 | | | 1.2 | 5.4 | | 1 |
| 13 | 30.5 | 21.0 | 25 | 70 | 9.2 | | | 1.7 | 5.7 | | 1 |
| 14 | 30.5 | 21.0 | 25 | 75 | 8.4 | | | 2.0 | 3.8 | | 1 |
| 15 | 29.2 | 19.5 | 24 | 70 | 10.6 | | | 1.6 | 5.9 | | 1 |
| 16 | 29.0 | X | 25 | 70 | 10.3 | | | 1.9 | 5.1 | | 1 |
| 17 | 29.2 | 22.5 | 25 | 70 | 3.2 | | | 3.2 | 6.9 | | 1 |
| 18 | 29.5 | 21.0 | 25 | 65 | 10.6 | | | 1.8 | 6.7 | | 1 |
| 19 | 29.2 | 19.5 | 24 | 65 | 9.7 | | | 1.8 | 6.8 | | 1 |
| 20 | 29.0 | 20.0 | 24 | 65 | 9.8 | | | 1.9 | 5.6 | | 1 |
| 21 | 29.5 | 20.5 | 24 | 70 | 6.6 | | | 1.7 | 5.4 | | 1 |
| 22 | 30.5 | 20.5 | 25 | 70 | 7.0 | | | 1.7 | 4.7 | | 0 |
| 23 | 30.5 | 22.5 | 25 | 70 | 6.1 | | | 1.6 | 6.0 | | 6 |
| 24 | 30.2 | 21.5 | 26 | 65 | 10.3 | | | 2.0 | 21.7 | | 1 |
| 25 | 30.5 | 21.5 | 26 | 65 | 6.7 | | | 2.0 | 5.4 | | 4 |
| 26 | 30.0 | 20.0 | 26 | 65 | 10.5 | | | 1.8 | 5.6 | | 1 |
| 27 | 30.0 | 21.0 | 26 | 65 | 10.1 | | | 2.2 | 7.4 | | 1 |
| 28 | 30.5 | 23.0 | 26 | 65 | 6.2 | | | 2.4 | 8.1 | | 1 |
| 29 | 30.5 | 21.0 | 25 | 65 | 9.7 | | | 1.8 | 5.4 | | 1 |
| 30 | 31.0 | 22.5 | 26 | 70 | 4.2 | | | 1.4 | 5.0 | | 1 |
| 31 | X | 21.5 | 26 | 70 | 4.8 | | | 1.2 | 5.4 | | 1 |
| Total | 887.2 | 190.0 | 757 | 2122 | 261.6 | | | 54.3 | 190.2 | 12 | 51 |
| Days | 30 | 30 | 30 | 31 | 31 | | | 31 | 30 | 4 | 5 |
| Mean | 29.6 | 21.3 | 25 | 68 | 8.4 | | | 1.8 | 6.3 | 3 | 6 |
| Max. | 31.0 | 23.0 | 26 | 75 | 10.6 | | | 1.2 | 21.7 | 6 | 21 |
| Min. | 29.0 | 19.5 | 24 | 65 | 3.2 | | | 2.4 | 3.6 | 1 | 0 |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. S. Sanyal Month September Year 1976
 Location: In: Wazir Lat 04° 07' 20" S Altitude: _____
 Rec: Temps Desc: _____ Lon: 120° 01' _____ E El: 14 m.

| Day | Air Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|--------|-----------------|-----------|------------|-----------------------|-------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr. | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 30.5 | 21.5 | 25 | 70 | 6.7 | | | 0.1 | 5.4 | - | - |
| 2 | 32.0 | 21.5 | 25 | 75 | 2.0 | | | 1.6 | 5.7 | - | - |
| 3 | 30.2 | 22.0 | 26 | 70 | 7.5 | | | 0.7 | 5.6 | - | - |
| 4 | 31.5 | 21.0 | 26 | 65 | 9.0 | | | 0.7 | 4.2 | - | - |
| 5 | 31.5 | 20.0 | 25 | 60 | 9.7 | | | 2.2 | 9.0 | - | - |
| 6 | 31.0 | x | 25 | 55 | 10.3 | | | 1.7 | 6.3 | - | - |
| 7 | 31.0 | x | 27 | 60 | 9.4 | | | 1.6 | 7.2 | - | - |
| 8 | 31.0 | 18.5 | 26 | 60 | 10.1 | | | 1.4 | 7.2 | - | - |
| 9 | 31.0 | 19.0 | x | x | 9.9 | | | 2.1 | 7.2 | - | - |
| 10 | 31.0 | 19.0 | 27 | 60 | 9.0 | | | 1.8 | 6.7 | - | - |
| 11 | 31.0 | 21.0 | 27 | 60 | 9.5 | | | 1.7 | 7.6 | - | - |
| 12 | 32.0 | 19.5 | 25 | 50 | 9.7 | | | 1.6 | 7.2 | - | - |
| 13 | 32.0 | 19.5 | 27 | 50 | 10.4 | | | 1.6 | 7.2 | - | - |
| 14 | 32.0 | 19.5 | 25 | 55 | 7.7 | | | 1.8 | 7.2 | - | - |
| 15 | 31.0 | 20.0 | 26 | 55 | 9.6 | | | 1.8 | 7.2 | - | - |
| 16 | 31.0 | 20.0 | 26 | 55 | 9.5 | | | 2.9 | 7.9 | - | - |
| 17 | 31.5 | 19.0 | 26 | 55 | 9.8 | | | 1.9 | 7.9 | - | - |
| 18 | 31.2 | 18.5 | 26 | 55 | 9.2 | | | 2.1 | 8.1 | - | - |
| 19 | 31.0 | 20.5 | 27 | 60 | x | | | 2.0 | 7.7 | - | - |
| 20 | 32.5 | 22.5 | 27 | 60 | 9.7 | | | 1.8 | 7.2 | - | - |
| 21 | 33.0 | 21.5 | 27 | 50 | 4.7 | | | 1.8 | 5.4 | - | - |
| 22 | 32.0 | 21.5 | 27 | 60 | 7.9 | | | 1.0 | 3.8 | - | - |
| 23 | 32.5 | 24.0 | 28 | 60 | 2.0 | | | 1.9 | 4.1 | - | - |
| 24 | 32.5 | 24.0 | 29 | 60 | 6.3 | | | 1.8 | 7.2 | - | - |
| 25 | 33.5 | 22.5 | 29 | 60 | 10.3 | | | 2.0 | 6.3 | - | - |
| 26 | x | 22.5 | 29 | 60 | 10.6 | | | 2.3 | 7.2 | - | - |
| 27 | 35.0 | 21.5 | 27 | 50 | 10.1 | | | 0.9 | 7.7 | - | - |
| 28 | x | 30.5 | 28 | 60 | 10.3 | | | 1.3 | 7.2 | - | - |
| 29 | 33.0 | 20.2 | 27 | 60 | 9.3 | | | 1.9 | 6.8 | - | - |
| 30 | 33.0 | 20.0 | 27 | 60 | 8.1 | | | 0.5 | 7.2 | - | - |
| 31 | | | | | | | | | | | |
| Total | 140.4 | 179.9 | 787 | 1760 | 217 | | | 42.4 | 209.6 | | |
| Days | 29 | 29 | 29 | 29 | 29 | | | 30 | 30 | | |
| Mean | 30.7 | 20.7 | 27.1 | 61 | 2.2 | | | 1.6 | 6.8 | | |
| Moily. | | | | | | | | | | | |
| Max. | 35.0 | 24.0 | 29 | 75 | 10.4 | | | 2.3 | 9.0 | | |
| Min. | 30.2 | 18.5 | 25 | 55 | 2.0 | | | 0.5 | 3.8 | | |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. Sengking Month October Year 1976
 Location, Kab. Wajo Lat. 04° 07' 30" S. Altitude: _____
 Kec Tempye Desa _____ Lon. 120° 01' _____ E. El. 14 m

| Day | Atmos Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|-------------------|-----------|------------|-----------------------|-------------|-------------------------------|----------------|-----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr. | Radiat cal/cm ² | Direc- tion | Veloc- m/sec | | | |
| 1 | 23.5 | 20.0 | 30 | 60 | 9.1 | | | 1.7 | 4.2 | - | - |
| 2 | 33.0 | 23.5 | 31 | 65 | 6.0 | | | 1.7 | 9.5 | 2 | - |
| 3 | 33.5 | 23.5 | 29 | 70 | 5.3 | | | 2.1 | 5.0 | 1 | 3 |
| 4 | 33.5 | 23.0 | 28 | 65 | 6.6 | | | 1.3 | 6.4 | 5 | 5 |
| 5 | 33.0 | 28.0 | 29 | 60 | 9.5 | | | 1.6 | 7.2 | - | 1 |
| 6 | 32.5 | X | 29 | 60 | 8.5 | | | 1.6 | 7.2 | - | - |
| 7 | 32.0 | X | 30 | 65 | 10.3 | | | 1.0 | 9.0 | - | - |
| 8 | 33.0 | X | 30 | 60 | 7.3 | | | 2.2 | 7.2 | - | - |
| 9 | 33.0 | 23.0 | 30 | 65 | 6.7 | | | 1.8 | 7.2 | - | - |
| 10 | 32.5 | 23.5 | 29 | 65 | 3.2 | | | 1.5 | 3.6 | - | - |
| 11 | 32.0 | 24.5 | 30 | 65 | 3.3 | | | 1.4 | 4.2 | 6 | - |
| 12 | 32.0 | 22.9 | 29 | 65 | 8.5 | | | 1.3 | 7.2 | - | 6 |
| 13 | 32.5 | 21.5 | 30 | 65 | 3.6 | | | 1.2 | 5.4 | - | - |
| 14 | 32.2 | 21.5 | 29 | 65 | 3.1 | | | 1.3 | 7.4 | 2 | - |
| 15 | 32.6 | 21.0 | 30 | 60 | 9.5 | | | 1.0 | 7.2 | - | 2 |
| 16 | 34.5 | 24.0 | 30 | 60 | 8.2 | | | 1.1 | 5.9 | - | - |
| 17 | 32.5 | 23.5 | 30 | 65 | 9.2 | | | 0.9 | 6.3 | - | - |
| 18 | 33.0 | 23.0 | 31 | 60 | 10.9 | | | 1.3 | 7.2 | - | - |
| 19 | 33.0 | 23.0 | 31 | 60 | 4.7 | | | 1.6 | 4.2 | - | - |
| 20 | 34.5 | 24.5 | 30 | 60 | 0.1 | | | 2.0 | 6.3 | - | - |
| 21 | X | 22.5 | 29 | 65 | 3.2 | | | 0.9 | X | 36 | - |
| 22 | 31.0 | 22.5 | 29 | 65 | 3.1 | | | 1.1 | 6.0 | - | - |
| 23 | 32.5 | 23.0 | 29 | 60 | 6.5 | | | 1.4 | 7.2 | - | - |
| 24 | 33.0 | 22.0 | 29 | 65 | 6.6 | | | 1.3 | 5.6 | 2 | - |
| 25 | 34.5 | 23.0 | 28 | 70 | 3.2 | | | 1.0 | 3.9 | 3 | 2 |
| 26 | 32.3 | X | 28 | 65 | 9.3 | | | 0.9 | 7.2 | 26 | 30 |
| 27 | 32.0 | X | 29 | 65 | 7.9 | | | 0.8 | 3.8 | 1 | - |
| 28 | 27.0 | 16.6 | 29 | 65 | 8.6 | | | 0.9 | 7.5 | - | 2 |
| 29 | 27.0 | 22.0 | 29 | 65 | 7.8 | | | 0.0 | 4.0 | - | - |
| 30 | 34.0 | 25.0 | 28 | 70 | 0.4 | | | 0.0 | 10.0 | 18 | - |
| 31 | 33.0 | 23.5 | 26 | 75 | 0 | | | 1.2 | 1.0 | 7 | 19 |
| Total | 952.2 | 591.7 | 906.0 | 1945 | 22.8 | | | 40.3 | 190.3 | 109 | 76 |
| Days | 30 | 26 | 31 | 31 | 31 | | | 31 | 30 | 12 | 9 |
| Mean | 32.1 | 23.1 | 29.2 | 63 | 6.9 | | | 1.3 | 6.3 | 9.8 | 2 |
| Max | 34.0 | 28.0 | 31 | 75 | 10.3 | | | 2.3 | 10.0 | 36 | 30 |
| Min | 23.5 | 22.0 | 26 | 35 | 0 | | | 0.9 | 1.0 | 1 | 2 |

METEOROLOGICAL RECORD

Station No. _____ Name P.S.A. Sumpkang Month November Year 1976
 Location: Rep. Wajo Lat. 09° 07' S Altitude: _____
 Rec. Tempa Desa _____ Lon. 120° 01' E El. 14 m.

| Day | Air Max. Temperature | | | R. Humidity | Sunshine | | Wind at Hr. | | Evaporation | Rain-fall (stand) | Rain-fall (auto) |
|-------|----------------------|---------|---------|-------------|----------|----------------------------|-------------|--------------|-------------|-------------------|------------------|
| | Max. C° | Min. C° | Mean C° | | Hour | Radiat cal/cm ² | Dirac-tion | Veloc im/sec | | | |
| 1 | 32.0 | 22.0 | 28 | 65 | 11.1 | | | 0.6 | 8.0 | - | 0 |
| 2 | 33.0 | 20.0 | 26 | 65 | 9.7 | | | 1.2 | 6.0 | - | - |
| 3 | 33.0 | 20.0 | 30 | 65 | 10.3 | | | 0.9 | 7.0 | - | - |
| 4 | 34.0 | X | X | X | 6.6 | | | 0.9 | 8.0 | - | - |
| 5 | X | 23.0 | X | X | 9.8 | | | 1.1 | 7.0 | - | - |
| 6 | X | 23.0 | 30 | 65 | 6.7 | | | 1.0 | 5.0 | - | - |
| 7 | 33.0 | 23.0 | 29 | 65 | 7.6 | | | 1.0 | 6.0 | 4 | - |
| 8 | 33.0 | 21.5 | 28 | 70 | 0.9 | | | 1.2 | 5.0 | 15 | 19 |
| 9 | 33.0 | 23.0 | 28 | 70 | 1.7 | | | 1.2 | 3.0 | 2 | - |
| 10 | 31.0 | 24.0 | 27 | 70 | 1.5 | | | 0.8 | 3.0 | 1 | 3 |
| 11 | 31.2 | 23.0 | 27 | 70 | 6.0 | | | 1.0 | 3.0 | 1 | 1 |
| 12 | 33.0 | 23.0 | 26 | 65 | 0.5 | | | 0.7 | 6.0 | 4 | 7 |
| 13 | 33.0 | 23.5 | 29 | 70 | 0.6 | | | 1.0 | 7.0 | 3 | - |
| 14 | 33.0 | 24.5 | 29 | 70 | 5.5 | | | 0.9 | 4.0 | 2 | 3 |
| 15 | 32.0 | 23.5 | 29 | 70 | 5.9 | | | 0.8 | 5.0 | 1 | 1 |
| 16 | 33.0 | 24.0 | 28 | 70 | 5.6 | | | 7.0 | 6.0 | 1 | 1 |
| 17 | 33.5 | 24.0 | 29 | 70 | 7.7 | | | 0.8 | 6.0 | 4 | 9 |
| 18 | 33.5 | 23.0 | 28 | 75 | 0.5 | | | 0.8 | 0.5 | 16 | 14 |
| 19 | 33.5 | 24.5 | 29 | 70 | 9.1 | | | 0.5 | 6.0 | 2 | 0 |
| 20 | 33.5 | 23.0 | 28 | 70 | 7.5 | | | 0.9 | 0.5 | - | 8 |
| 21 | 33.0 | 23.0 | 28 | 70 | 5.6 | | | 0.8 | 1.0 | 7 | - |
| 22 | 32.5 | 23.5 | 28 | 70 | 7.7 | | | 0.9 | 5.0 | 12 | 0 |
| 23 | 33.5 | 23.0 | 28 | 70 | 7.5 | | | 0.8 | 4.0 | 19 | 29 |
| 24 | 31.0 | 24.5 | 28 | 70 | 6.4 | | | 0.9 | 6.0 | 1 | 3 |
| 25 | 32.5 | 24.0 | 28 | 70 | 7.0 | | | 0.9 | 6.5 | 17 | 12 |
| 26 | 34.0 | 23.5 | 29 | 65 | 7.2 | | | 0.4 | 0.5 | 3 | 9 |
| 27 | 31.5 | 23.5 | 28 | 70 | 6.0 | | | 1.1 | 0.5 | - | - |
| 28 | 32.0 | 24.0 | 29 | 65 | 8.5 | | | 1.0 | 0.5 | - | - |
| 29 | 32.0 | 24.0 | X | X | 3.6 | | | 0.8 | 4.0 | - | - |
| 30 | 33.0 | 23.5 | 28 | 70 | 5.6 | | | 0.7 | 3.0 | 5 | - |
| 31 | | | | | | | | | | | |
| Total | 919.2 | 671.0 | 769.6 | 1855 | 210.6 | | | 26.6 | 141.0 | 120 | 135 |
| Days | 27 | 29 | 27 | 27 | 30 | | | 30 | 30 | 20 | 17 |
| Mean | 33.7 | 23.1 | 28 | 69 | 7.0 | | | 0.8 | 4.7 | 6 | 8 |
| Max. | 34.0 | 24.5 | 30 | 70 | 11.6 | | | 1.1 | 8.0 | 19 | 29 |
| Min. | 31.0 | 22.0 | 27 | 65 | 0.5 | | | 0.7 | 0.5 | 1 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. S. Sukhraj Month December Year 1976
 Location, K.D. Waji Lat. 04° 07' 30" S Altitude: _____
 Rec. Tempe Desa _____ Lon 120° 11' _____ E El. 14 m

| Day | Air Temp. | | | R. Hu- midity % | Sunshine | | Wind | | Evapo- ration mm | Rain- fall (stam) mm | Rain- fall (auto) mm |
|-------|-----------|-----------|------------|-----------------------|-------------|-------------------------------|----------------|----------------|------------------------|-------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr. | Radial cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 31.0 | 25.0 | 29 | 65 | 7.4 | | | 0.9 | 8.0 | - | 6 |
| 2 | 31.5 | 25.0 | 28 | 70 | 6.7 | | | 2.0 | 3.0 | 5 | 16 |
| 3 | 31.5 | 26.0 | 29 | 65 | 6.7 | | | 2.7 | 3.5 | - | 3 |
| 4 | 31.0 | 25.0 | X | 70 | 4.0 | | | 2.0 | 4.0 | 1 | - |
| 5 | 32.0 | 25.0 | 23 | 70 | 1.3 | | | 2.3 | 5.0 | - | 1 |
| 6 | 32.0 | 24.0 | 29 | 65 | 9.0 | | | 2.0 | 7.0 | - | - |
| 7 | 32.0 | 26.0 | 29 | 65 | 3.6 | | | 2.2 | 5.5 | - | - |
| 8 | 32.0 | 26.0 | 29 | 65 | 7.7 | | | 1.6 | 5.0 | - | - |
| 9 | X | 26.0 | 29 | 65 | 5.1 | | | 1.7 | 5.0 | - | - |
| 10 | 29.5 | 26.0 | 29 | 65 | 8.0 | | | 2.1 | 8.0 | - | - |
| 11 | 31.5 | 26.0 | 29 | 70 | 4.2 | | | 1.7 | 6.0 | - | - |
| 12 | 31.5 | 26.0 | 28 | 70 | 1.0 | | | 1.2 | 4.5 | 1 | 2 |
| 13 | 31.0 | 27.0 | X | 70 | 5.8 | | | 1.5 | 7.0 | - | - |
| 14 | 31.5 | 26.0 | 29 | 70 | 1.3 | | | 1.7 | 2.0 | 1 | - |
| 15 | X | 26.0 | 29 | 65 | 6.1 | | | 1.6 | 7.0 | 1 | 2 |
| 16 | 31.2 | 26.0 | 29 | 70 | 6.3 | | | 1.6 | 6.0 | - | - |
| 17 | 30.6 | 26.0 | 28 | 70 | 4.0 | | | 1.5 | 4.0 | 5 | - |
| 18 | 29.5 | 25.0 | 28 | 65 | 9.4 | | | 1.1 | 9.0 | - | 5 |
| 19 | 29.0 | 25.0 | 28 | 65 | 4.5 | | | 1.5 | 6.0 | 2 | 3 |
| 20 | 31.8 | 26.0 | 30 | 65 | 7.9 | | | 1.6 | 7.0 | - | - |
| 21 | 31.5 | 26.0 | 29 | 70 | 5.5 | | | 1.3 | 7.0 | - | - |
| 22 | 31.8 | 26.0 | 29 | 70 | 3.8 | | | 1.6 | 5.0 | - | - |
| 23 | X | 24.0 | 28 | 70 | 2.6 | | | 1.2 | 5.0 | - | - |
| 24 | 31.0 | 25.0 | 28 | 70 | 3.1 | | | 0.9 | 4.0 | - | - |
| 25 | 30.0 | 25.0 | 28 | 70 | 3.0 | | | 1.0 | 4.0 | - | - |
| 26 | 30.5 | 24.0 | 28 | 70 | 5.7 | | | 0.3 | 4.0 | 2 | 2 |
| 27 | 30.5 | 25.0 | 28 | 75 | 3.6 | | | 0.7 | 5.0 | 1 | - |
| 28 | 30.5 | 25.0 | 28 | 65 | 6.2 | | | 0.6 | 8.0 | 1 | - |
| 29 | 30.8 | 25.0 | 28 | 65 | 7.9 | | | 1.1 | 3.5 | - | 5 |
| 30 | 30.8 | 24.0 | 30 | 65 | 0.5 | | | 1.3 | 5.0 | - | 1 |
| 31 | 30.2 | 24.0 | 29 | 65 | 8.6 | | | 1.4 | 5.0 | - | - |
| Total | 872.3 | 796.1 | 126 | 1960 | 190.1 | | | 45.9 | 168 | 20 | 46 |
| Days | 29 | 31 | 29 | 29 | 31 | | | 31 | 31 | 10 | 11 |
| Mean | 30.1 | 25.5 | 28.5 | 68 | 6.5 | | | 1.5 | 5.4 | 2 | 4.2 |
| Max. | 32.8 | 27.0 | 30 | 75 | 9.4 | | | 2.7 | 9.0 | 5 | 46 |
| Min. | 27.5 | 24.0 | 23 | 15 | 1.0 | | | 0.3 | 2.0 | 1 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P.S.A. Senghney Month January Year 1977
 Location: Wajo Lat. 09° 07' 30" S Altitude: _____
 Rec. Temp Desa _____ Lon. 120° 01' _____ E El. 14 m.

| Day | Air Temp. | | | RH | Sunshine | | Wind | | Evap. | Rain-fall (stand) | Rain-fall (auto) |
|-------|-----------|-------|------|------|------------|------|----------------------------|------------|-------|-------------------|------------------|
| | Max | Min | Mean | | Humidity % | Hour | Radiat cal/cm ² | Dirac-tion | | | |
| | °C | °C | °C | % | Hr. | | | | mm | mm | mm |
| 1 | 33.0 | 23.0 | 29 | 65 | 6.3 | | | 1.1 | 5.0 | - | - |
| 2 | X | 23.0 | 29 | 65 | 4.9 | | | 1.1 | 7.0 | - | - |
| 3 | 33.0 | X | 10 | 70 | 8.3 | | | 1.4 | 2.0 | 2.9 | - |
| 4 | 32.0 | 23.0 | 27 | 70 | 0 | | | 1.0 | 3.5 | - | 2.0 |
| 5 | X | 23.0 | 29 | 60 | 8.1 | | | 0.7 | 6.0 | - | - |
| 6 | 33.0 | 25.0 | 30 | 55 | 9.3 | | | 1.3 | 0.0 | - | - |
| 7 | X | 23.0 | 32 | 50 | 5.2 | | | 1.6 | 14.0 | - | - |
| 8 | 33.5 | 24.5 | 29 | 60 | 3.4 | | | 2.6 | 4.0 | 6 | 7 |
| 9 | 32.5 | 23.5 | 30 | 65 | 5.8 | | | 2.0 | 1.0 | 6 | 7 |
| 10 | 31.0 | 25.0 | 28 | 70 | 1 | | | 2.6 | 6.0 | 3 | 2 |
| 11 | 29.5 | 23.5 | 29 | 65 | 6.2 | | | 1.0 | 2.0 | 4 | 6 |
| 12 | 31.0 | X | 29 | 65 | 6.7 | | | 1.6 | X | - | - |
| 13 | 33.0 | 23.0 | 30 | 60 | 10.1 | | | 1.3 | X | - | - |
| 14 | 33.0 | 23.0 | 28 | 70 | 0.1 | | | 1.5 | X | 6 | 3 |
| 15 | 29.5 | 20.5 | 29 | 70 | 5.0 | | | 1.3 | - | - | 0 |
| 16 | 31.5 | 24.5 | 30 | 65 | 9.3 | | | 1.3 | X | - | - |
| 17 | 34.0 | 24.0 | 29 | 65 | 6.5 | | | 1.2 | X | - | - |
| 18 | 31.0 | 23.0 | 30 | 65 | 7.2 | | | 1.1 | X | - | - |
| 19 | 32.5 | 26.0 | 29 | 65 | 1.1 | | | 0.7 | X | - | 0 |
| 20 | 29.5 | 25.0 | 28 | 70 | 0.6 | | | 1.0 | X | 0 | 10 |
| 21 | 31.0 | 24.0 | 28 | 70 | 3.2 | | | 1.4 | X | 2 | 8 |
| 22 | 30.5 | 24.0 | 27 | 75 | 0.2 | | | 2.1 | X | 1 | 10 |
| 23 | 27.5 | 23.5 | 25 | 80 | 0 | | | 2.1 | X | - | 9 |
| 24 | 29.5 | 23.5 | X | 75 | 0 | | | 3.1 | X | 3 | 5 |
| 25 | 29.0 | 28.0 | X | 70 | 3.7 | | | 2.0 | X | 5 | 4 |
| 26 | 30.0 | 23.5 | 28 | 65 | 7.9 | | | 1.3 | 5.0 | - | - |
| 27 | 31.0 | X | 29 | 65 | 9.9 | | | 1.3 | 7.0 | - | - |
| 28 | 33.0 | 23.0 | 29 | 70 | 5.9 | | | 0.7 | 3.0 | - | - |
| 29 | 32.5 | 24.0 | 29 | 65 | 4.1 | | | 0.6 | 4.5 | - | - |
| 30 | 32.0 | 22.5 | X | X | 5.7 | | | 1.3 | 7.0 | - | - |
| 31 | 31.5 | 24.0 | X | X | 7.5 | | | 1.9 | 6.0 | 6 | - |
| Total | 1177.7 | 662.5 | 768 | 1925 | 147.3 | | | 47.5 | 91.5 | 64 | 91 |
| Days | 31 | 31 | 27 | 29 | 28 | | | 31 | 17 | 12 | 14 |
| Mean | 37.7 | 21.4 | 24.4 | 66.4 | 5.3 | | | 1.5 | 2.9 | 2.1 | 2.6 |
| Max | 34.0 | 26.0 | 32.0 | 80.0 | 10.1 | | | 2.6 | 14.0 | 22.0 | 20.0 |
| Min | 27.0 | 21.0 | 18.0 | 50.0 | 0.1 | | | 0.5 | 1.0 | 1.0 | 1.0 |

METEOROLOGICAL RECORD

Station No _____ Name P. S. A. Sanghy Month February Year 1977
 Location: Kab. Wajo Lat. 04° 02' 20" S Altitude: _____
 Kec. Tempa Desa _____ Lon. 120° 01' 00" E El. 14 m

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|--------------------|-----------|------------|-----------------------|-------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr. | Radial cal/cm ² | Direc- tion | Veloc m/sec | | | |
| 1 | 32.0 | 23.5 | 29 | 65 | 6.1 | | | 1.3 | 7.0 | - | 0 |
| 2 | 32.0 | X | 29 | 65 | 4.3 | | | 2.0 | 7.0 | - | - |
| 3 | 32.0 | X | 29 | 65 | - | | | 1.3 | 5.0 | - | - |
| 4 | 32.0 | 23.0 | 30 | 62 | 6.4 | | | 1.5 | 7.0 | - | - |
| 5 | 32.5 | 24.5 | 29 | 65 | 4.8 | | | 1.7 | 6.0 | - | - |
| 6 | 35.0 | 24.5 | 30 | 65 | 7.2 | | | 2.0 | 7.0 | - | - |
| 7 | 32.0 | 24.5 | 29 | 70 | 2.5 | | | 1.6 | 5.5 | - | 0 |
| 8 | 32.0 | 24.5 | 29 | 70 | - | | | 1.6 | 4.0 | - | - |
| 9 | 32.0 | 25.0 | 29 | 65 | 0.6 | | | 2.1 | 4.5 | - | - |
| 10 | 33.0 | 26.0 | 30 | 65 | 7.7 | | | 3.1 | 6.0 | - | - |
| 11 | 31.5 | 23.0 | 30 | 60 | 4.5 | | | 1.7 | 7.0 | - | - |
| 12 | 32.5 | 25.0 | 30 | 60 | 2.8 | | | 1.8 | 7.0 | - | - |
| 13 | 35.0 | 23.5 | 30 | 55 | 8.8 | | | 1.9 | 6.0 | - | - |
| 14 | 32.5 | 23.0 | 29 | 70 | 1.0 | | | 2.0 | 2.5 | 2 | - |
| 15 | X | 23.5 | 29 | 55 | 2.2 | | | 2.0 | 6.0 | 4 | 6 |
| 16 | X | 22.5 | 27 | 70 | 0.9 | | | 3.0 | 1.0 | 18 | 9 |
| 17 | 29.5 | 23.5 | 29 | 65 | 6.2 | | | 2.6 | 7.0 | - | 11 |
| 18 | 31.0 | 23.5 | 29 | 65 | 2.8 | | | 2.1 | 0 | - | - |
| 19 | 29.5 | 23.0 | 29 | 65 | 9.1 | | | 2.3 | 8.0 | - | - |
| 20 | 32.5 | 23.5 | 30 | 65 | 6.3 | | | 1.4 | 9.0 | - | - |
| 21 | 32.0 | 24.0 | 29 | 65 | 4.1 | | | 1.5 | 9.5 | 2 | 4 |
| 22 | 31.5 | 24.0 | 29 | 65 | 4.6 | | | 2.1 | 5.0 | 1 | 3 |
| 23 | 31.0 | 24.0 | 28 | 65 | 0.3 | | | 2.9 | 5.0 | 1 | 2 |
| 24 | 31.5 | 24.0 | 28 | 70 | 0.2 | | | 2.9 | 6.0 | 1 | 1 |
| 25 | 31.0 | 24.5 | 29 | 65 | 6.3 | | | 1.7 | 7.0 | - | 1 |
| 26 | 31.5 | 24.5 | 28 | 70 | 1.0 | | | 2.3 | 12.0 | 7 | - |
| 27 | 30.0 | 25.5 | 28 | 68 | 3.0 | | | 1.3 | 11.0 | 10 | 10 |
| 28 | 30.0 | 23.0 | 29 | 55 | 3.4 | | | 2.9 | 7.0 | - | 9 |
| 29 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 31 | | | | | | | | | | | |
| Total | 925.0 | 618.5 | 211.0 | 105.0 | 108.4 | | | 56.6 | 17.5 | 46 | 64 |
| Days | 26 | 16 | 12 | 1.6 | 16 | | | 18 | 2.0 | 9 | 11 |
| Mean | 35.7 | 23.8 | 29.0 | 54.8 | 11.2 | | | 2.0 | 6.3 | 5.1 | 5.8 |
| Moly. | - | - | - | - | - | | | - | - | - | - |
| Max. | 37.0 | 25.0 | 30.0 | 70.0 | 9.1 | | | 3.1 | 12.0 | 18.0 | 11.0 |
| Min. | 29.5 | 21.5 | 27.0 | 55.0 | 0.2 | | | 1.3 | 1.0 | 1.0 | 1.0 |

METEOROLOGICAL RECORD

Station No. _____ Name P.S.A. Singspur Month March Year 1977
 Location: Ways Lat 64° 07' N S. Altitude: _____
 Sec Tempe Deso _____ Lon 125° 01' E El 19 m.

| Day | Air Temperature | | | RH % | Sunshine | | Wind | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|-----------------|-----------|------------|---------|------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr | Radial cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 32.0 | 23.5 | 30 | 65 | 6.4 | | | 2.1 | 11.0 | | |
| 2 | 33.0 | 22.0 | 28 | 65 | 1.4 | | | 1.4 | 5.0 | 18 | 20 |
| 3 | 30.0 | 23.6 | X | 60 | 6.9 | | | 2.3 | 7.0 | | |
| 4 | 32.5 | 29.5 | 30 | 60 | 9.0 | | | 2.0 | 7.0 | | |
| 5 | 33.0 | 24.0 | 29 | 61 | 0 | | | 2.2 | 3.0 | | |
| 6 | 33.0 | 20.5 | 29 | 65 | 7.9 | | | 0.6 | 9.0 | | |
| 7 | 33.0 | 22.0 | 29 | 70 | 0.0 | | | 1.3 | 3.0 | | 18 |
| 8 | 29.5 | 22.5 | 30 | 60 | 6.6 | | | 1.0 | 6.0 | 21 | 4 |
| 9 | 32.0 | 23.0 | 29 | 65 | X | | | 0.9 | 7.0 | | |
| 10 | 32.0 | 23.0 | 30 | 65 | 5.9 | | | 1.0 | 6.0 | | |
| 11 | 33.0 | 23.5 | 29 | 65 | 7.4 | | | 1.2 | 6.0 | | |
| 12 | 32.5 | 20.5 | 29 | 65 | 9.6 | | | 1.6 | 7.0 | | |
| 13 | 33.5 | 22.5 | 29 | 70 | 9.0 | | | 1.1 | 6.0 | | |
| 14 | 31.5 | 23.5 | 30 | 65 | 9.0 | | | 1.5 | 6.0 | 13 | 12 |
| 15 | 35.0 | 23.5 | 30 | 60 | 8.7 | | | 1.2 | 7.0 | | |
| 16 | 32.5 | 23.5 | 30 | 60 | 9.6 | | | 1.4 | 7.0 | | |
| 17 | 33.0 | 23.5 | 30 | 65 | 0.0 | | | 1.3 | 8.0 | | |
| 18 | 33.5 | 24.0 | 31 | 60 | 9.2 | | | 1.6 | 6.0 | | |
| 19 | 33.0 | 24.0 | 31 | 65 | X | | | 1.3 | 8.0 | 10 | |
| 20 | 32.0 | 23.5 | 30 | 60 | 0.7 | | | 1.1 | 6.0 | 1 | 12 |
| 21 | 33.0 | 23.0 | 30 | 65 | 5.8 | | | 1.1 | 5.0 | | |
| 22 | 33.0 | 23.5 | 29 | 65 | 7.8 | | | 1.0 | 6.0 | | |
| 23 | 32.5 | 24.0 | 29 | 65 | 6.9 | | | 0.9 | 6.0 | | |
| 24 | 35.0 | 23.0 | 29 | 65 | 6.3 | | | 0.9 | 6.0 | | |
| 25 | 33.0 | 23.5 | 29 | 65 | 4.9 | | | 1.0 | 5.0 | | |
| 26 | 33.5 | 20.0 | 28 | 70 | 3.2 | | | 1.0 | 4.0 | | |
| 27 | 31.5 | 23.5 | 28 | 70 | 5.4 | | | 1.1 | 1.0 | 5 | |
| 28 | 33.0 | 23.5 | 29 | 70 | 5.9 | | | 0.8 | 4.0 | | 5 |
| 29 | 33.0 | 23.0 | 29 | 70 | 4.5 | | | 0.8 | X | 14 | |
| 30 | 31.5 | 24.0 | 29 | 65 | 5.1 | | | 0.8 | 7.0 | | 41 |
| 31 | 31.0 | 23.5 | 29 | 75 | 4.7 | | | 1.0 | 7.0 | X | 18 |
| Total | 1006.2 | 72.8 | 877 | 60.0 | 257.4 | | | 33.5 | 180 | 122 | 130 |
| Days | 31 | 31 | 31 | 31 | 31 | | | 31 | 30 | 7 | 8 |
| Mean | 32.5 | 23.5 | 29.0 | 64.0 | 8.3 | | | 1.2 | 6.1 | 17.4 | 16.3 |
| Moly. | | | | | | | | | | | |
| Max | | | | | | | | | | | |
| Min | | | | | | | | | | | |

METEOROLOGICAL RECORD

Station No. _____ Name P.S.A. Sumpkany Month April Year 1977
 Location: Dist. Kaapi Lat. 09° 07' 30" S Altitude: _____
 Rec. Tampa Deso _____ Lon 120° 11' _____ E El. 14 m

| Day | Air Temp | | | RH | Sunshine | | Wind | | Evapo-ration | Rain-fall (stand) | Rain-fall (auto) |
|-------|----------|-------|------|------|----------|---------------------|--------|-------|--------------|-------------------|------------------|
| | Max | Min | Mean | | Humidity | Hour | Radial | Dir | | | |
| | °C | °C | °C | % | Hr | cal/cm ² | tion | m/sec | mm | mm | mm |
| 1 | 22.0 | 23.0 | 27 | 75 | 3.1 | | | 2.1 | 7.0 | 27 | 11 |
| 2 | 21.0 | 23.0 | 27 | 70 | 5.6 | | | 0.7 | - | 48 | 38 |
| 3 | 21.5 | 23.0 | 28 | 70 | 9.4 | | | 0.9 | - | 1 | 49 |
| 4 | 22.5 | 23.5 | 26 | 65 | X | | | 0.9 | X | - | 1 |
| 5 | 22.5 | 24.5 | 29 | 70 | 4.0 | | | 1.2 | 6.0 | 3 | 3 |
| 6 | 22.0 | 23.5 | 29 | 65 | 9.1 | | | 1.3 | 6.0 | - | - |
| 7 | 24.0 | 23.0 | 30 | 65 | 7.5 | | | 0.9 | X | - | - |
| 8 | 29.0 | 23.0 | 28 | 70 | 4.0 | | | 1.1 | 2.0 | 8 | 2 |
| 9 | 31.5 | 24.0 | 29 | 70 | 5.7 | | | 2.6 | 7.0 | 2 | 9 |
| 10 | 32.0 | 24.0 | 30 | 65 | 8.2 | | | 1.3 | X | - | 2 |
| 11 | 32.0 | 24.0 | 27 | 75 | 0 | | | 1.6 | X | 10 | 10 |
| 12 | 32.0 | 24.0 | 28 | 70 | 4.3 | | | 0.7 | 1.0 | 1 | 3 |
| 13 | 31.5 | 23.0 | 29 | 65 | 2.8 | | | 1.3 | 7.0 | - | 1 |
| 14 | 31.0 | 23.5 | 28 | 70 | 1.6 | | | 1.2 | 1.0 | 7 | - |
| 15 | 31.6 | 23.0 | 29 | 65 | 5.6 | | | 0.9 | 6.0 | 1 | 8 |
| 16 | 32.5 | 23.0 | 28 | 70 | 0 | | | 1.0 | 2.0 | 11 | - |
| 17 | 32.0 | 23.5 | 29 | 65 | 9.7 | | | 0.7 | 7.0 | - | 12 |
| 18 | 32.5 | 23.5 | 29 | 70 | 1.6 | | | 0.8 | 2.5 | 8 | - |
| 19 | 31.0 | 23.5 | 29 | 65 | 6.5 | | | 6.7 | 5.0 | - | 8 |
| 20 | 32.0 | 24.0 | 29 | 70 | 5.7 | | | 0.8 | 0 | 3 | - |
| 21 | 30.5 | 23.5 | 28 | 70 | 8.7 | | | 0.9 | X | - | - |
| 22 | 32.0 | 23.0 | 28 | 70 | 8.5 | | | 0.8 | 2.0 | - | 63 |
| 23 | 31.0 | 23.0 | 28 | 70 | 0.6 | | | 1.2 | X | 66 | - |
| 24 | 31.5 | 23.5 | 29 | 65 | 8.1 | | | 0.8 | 3.5 | - | 3 |
| 25 | 31.0 | 24.0 | 29 | 65 | 9.5 | | | 1.2 | 5.0 | - | - |
| 26 | 31.0 | 23.0 | 29 | 60 | 9.5 | | | 1.6 | 5.0 | - | - |
| 27 | 31.0 | 21.5 | 29 | 65 | 9.5 | | | 1.3 | 8.0 | - | - |
| 28 | 32.0 | 22.0 | 30 | 65 | X | | | 1.2 | 4.8 | 1 | X |
| 29 | 33.5 | 24.5 | 29 | 70 | 3.5 | | | 1.0 | 4.0 | - | 1 |
| 30 | 31.5 | 24.0 | 29 | 70 | 6.3 | | | 0.9 | 3.5 | 4 | 4 |
| 31 | | | | | | | | | | | |
| Total | 923.5 | 700.5 | 861 | 2039 | 164.5 | | | 33.6 | 95 | 211 | 228 |
| Days | 30 | 30 | 30 | 30 | 28 | | | 30 | 22 | 16 | 17 |
| Mean | 31.5 | 23.4 | 28.7 | 68.0 | 5.9 | | | 1.1 | 4.5 | 13.2 | 13.4 |
| Mo'y. | | | | | | | | | | | |
| Max. | | | | | | | | | | | |
| Min. | | | | | | | | | | | |

METEOROLOGICAL RECORD.

Station No. _____ Name P. S. A. Sunkin Month July Year 1977
 Location. Wuzo Lat 04° 07' 26" S. Altitude: _____
 Rec. Tempe Desa _____ Lon 101° 01' _____ "E. El. 14 m

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|--------------------|------------|-------------|-----------------------|--------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max. C° | Min. C° | Mean. C° | | Hour. Hr. | Radiat cal/cm ² | Direc- tion | Veloc m/sec | | | |
| 1. | 31.5 | 23.5 | 28 | 70 | 6.1 | | | 1.0 | X | - | - |
| 2. | 31.5 | 23.5 | 29 | 70 | 7.4 | | | 0.7 | 7.0 | - | 7 |
| 3. | 32.5 | 24.0 | 29 | 70 | 8.2 | | | 1.0 | 6.0 | - | 1 |
| 4. | 32.5 | 24.5 | 29 | 70 | 1.3 | | | 1.0 | 1.0 | - | - |
| 5. | 30.5 | 24.5 | 29 | 65 | 7.8 | | | 0.9 | 3.0 | - | 1 |
| 6. | 32.0 | 24.0 | 30 | 65 | 9.5 | | | 1.1 | 10.0 | 3 | 3 |
| 7. | 32.0 | 25.0 | 31 | 65 | 6.6 | | | 1.4 | 1.5 | - | - |
| 8. | 32.5 | 23.5 | 28 | 70 | 3.0 | | | 1.9 | 3.5 | 4 | 5 |
| 9. | 30.5 | 24.0 | 29 | 65 | 9.1 | | | 2.0 | 6.0 | - | - |
| 10. | 31.0 | 24.0 | 30 | 65 | 9.9 | | | 0.2 | 7.0 | 3 | 3 |
| 11. | 32.0 | 23.5 | 29 | 70 | 7.4 | | | 1.2 | 4.0 | - | - |
| 12. | 32.0 | 24.5 | 30 | 65 | 9.8 | | | 0.9 | 6.0 | - | - |
| 13. | 32.0 | 23.5 | 28 | 70 | 3.2 | | | 0.4 | 1.0 | - | - |
| 14. | 31.0 | 24.0 | 28 | 70 | 3.0 | | | 1.5 | 10.0 | 17 | 5 |
| 15. | 31.0 | 24.5 | 28 | 70 | 6.8 | | | 0.8 | 4.0 | 35 | 14 |
| 16. | 30.5 | 23.0 | 28 | 70 | 9.2 | | | 1.0 | X | - | 30 |
| 17. | 31.0 | 23.0 | 28 | 70 | 4.7 | | | 1.0 | Y | 11 | - |
| 18. | 32.0 | 23.0 | 27 | 70 | 2.6 | | | 0.9 | 2.0 | 12 | X |
| 19. | 30.0 | 22.5 | 27 | 70 | 6.1 | | | 0.7 | 5.0 | 1 | 1 |
| 20. | 31.0 | 22.5 | 28 | 70 | 5.4 | | | 0.7 | 6.0 | - | 1 |
| 21. | 31.0 | 23.0 | 28 | 70 | 6.5 | | | 0.9 | X | 1 | 0 |
| 22. | 31.5 | 24.0 | 29 | 70 | 5.0 | | | 0.6 | 7.0 | - | 0.3 |
| 23. | 32.5 | 23.5 | 28 | 65 | 7.0 | | | 1.1 | 4.0 | 2.3 | - |
| 24. | 32.0 | 22.5 | 28 | 70 | 5.6 | | | 0.0 | X | - | - |
| 25. | 30.5 | 22.5 | 28 | 70 | 0.5 | | | 0.9 | 5.0 | - | - |
| 26. | 31.0 | 23.0 | 27 | 70 | 9.6 | | | 0.0 | 4.0 | - | - |
| 27. | 31.5 | 23.0 | 29 | 70 | 7.4 | | | 1.3 | 1.0 | 2 | 2 |
| 28. | 31.0 | 24.5 | 27 | 65 | 7.8 | | | 1.1 | 1.0 | 5 | - |
| 29. | 30.5 | 23.0 | 28 | 65 | 10.0 | | | 1.3 | 10.0 | 7 | 1 |
| 30. | 31.0 | 23.5 | 28 | 70 | 0.8 | | | 1.4 | 4.0 | 1 | 3 |
| 31. | 31.0 | 23.0 | 28 | 70 | 7.0 | | | 1.3 | 0.0 | 15 | 0 |
| Total | 968.5 | 751.5 | 582. | 1130 | 201.2 | | | 31.8 | 132 | 140 | 85.3 |
| Days | 31 | 31 | 31 | 31 | 31 | | | 31 | 26 | 14 | 16 |
| Mean | 31.2 | 24.2 | 28.5 | 68.7 | 6.5 | | | 1.0 | 5.1 | 10. | 5.3 |
| Max | | | | | | | | | | | |
| Min | | | | | | | | | | | |

METEOROLOGICAL RECORD.

Station No. _____ Name P.S.A. Sumpkaly Month June Year 1977
 Location: Wags Lat. 01° 07' 30" S Altitude: _____
 Rec. Tampa Desa Lon. 120° 01' _____ E El. 14 m.

| Day | Air Temp. | | | R. Hu. midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|--------|------------|------------|------------|-----------------------|------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max. C° | Min. C° | Mean C° | | Hour Hr | Radial cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 20.0 | 23.0 | 24.0 | 43 | 9.1 | | | 2.3 | 4.0 | - | - |
| 2 | 20.5 | 24.0 | 24.0 | 49 | 7.6 | | | 1.3 | 3.5 | - | - |
| 3 | 22.0 | 24.0 | 27.0 | 01 | 4.1 | | | 1.3 | 1.0 | - | - |
| 4 | 22.5 | 23.5 | 25.0 | 08 | 0.9 | | | 1.1 | X | 20 | - |
| 5 | 23.0 | 21.5 | 27.0 | 01 | 2.2 | | | 0.7 | 3.0 | 1 | 2.2 |
| 6 | 23.0 | 24.0 | 27.0 | 01 | 5.2 | | | 1.1 | 2.0 | 3 | 3 |
| 7 | 23.0 | 23.5 | 26.0 | 02 | 3.6 | | | 1.0 | 3.0 | 1 | - |
| 8 | 23.5 | 23.2 | 27.0 | 06 | 2.4 | | | 1.1 | 3.0 | 2 | 1 |
| 9 | 23.0 | 21.5 | 27.0 | 02 | 0.0 | | | 1.2 | 2.0 | 3 | 3 |
| 10 | 23.5 | 23.5 | 28.0 | 73 | 8.1 | | | 1.2 | 6.0 | - | 2 |
| 11 | 24.5 | 23.0 | 27.0 | 78 | 6.7 | | | 1.5 | 5.0 | 7 | 6 |
| 12 | 29.0 | 24.0 | 27.0 | 02 | 6.7 | | | 1.8 | 8.0 | 12 | 1 |
| 13 | 22.0 | 23.0 | 27.0 | 02 | 4.5 | | | 1.9 | 0 | 60 | 67 |
| 14 | 23.6 | 23.0 | 24.0 | 05 | 0 | | | 1.9 | X | 37 | 16 |
| 15 | 25.0 | 23.0 | 27.0 | 77 | 5.5 | | | 0.5 | 4.0 | 1 | 25 |
| 16 | 24.0 | 24.0 | 25.0 | 03 | 0 | | | 1.1 | 1.0 | 6 | - |
| 17 | 26.0 | 20.5 | 27.0 | 05 | 2.9 | | | 1.0 | X | 29 | 6 |
| 18 | 22.0 | 23.0 | 23.0 | 01 | 4.0 | | | 1.2 | 3.0 | 99 | X |
| 19 | 24.0 | 23.5 | 27.0 | 02 | 0.0 | | | 1.0 | 3.5 | 1 | 3 |
| 20 | 24.0 | 24.5 | 27.0 | 02 | 7.3 | | | 1.2 | 5.0 | - | - |
| 21 | 20.0 | 23.0 | 25.0 | 01 | 9.2 | | | 1.3 | 4.0 | - | - |
| 22 | 20.0 | 23.0 | 27.0 | 02 | 7.7 | | | 1.6 | 2.0 | - | - |
| 23 | 20.0 | 23.1 | 27.0 | 70 | 7.2 | | | 1.7 | 4.0 | - | - |
| 24 | 20.0 | 23.2 | 27.0 | 77 | 7.2 | | | 1.0 | 4.0 | - | - |
| 25 | 20.0 | 23.0 | 27.0 | 75 | 9.3 | | | 1.3 | 6.0 | - | - |
| 26 | 20.0 | 25.0 | 27.0 | 70 | 6.0 | | | 1.9 | 4.0 | 1 | - |
| 27 | 29.0 | 22.0 | 28.0 | 74 | 0 | | | 2.1 | 4.0 | - | - |
| 28 | 29.0 | 23.0 | 28.0 | 73 | 0 | | | 2.2 | 5.0 | - | - |
| 29 | 29.0 | 23.0 | 28.0 | 75 | 0.3 | | | 2.0 | 4.0 | - | 1 |
| 30 | 29.5 | 28.0 | 27.0 | 79 | 6.6 | | | 1.8 | 3.0 | - | - |
| 31 | | | | | | | | 2.3 | | | |
| Total | 868 | 695.4 | 809 | 2401 | 175.2 | | | 44.1 | 98 | 292 | 156 |
| Days | 30 | 30 | 30 | 30 | 26 | | | 31 | 26 | 16 | 13 |
| Mean | 29.0 | 23.2 | 27.0 | 80.1 | 6.0 | | | 1.4 | 4.0 | 18.3 | 12 |
| Mo'ty. | | | | | | | | | | | |
| Max. | | | | | | | | | | | |
| Min. | | | | | | | | | | | |

METEOROLOGICAL RECORD.

Station No. _____ Name P. S. S. Surlang Month July Year 1977
 Location: No. Days Lat. 04° 04' 30" S. Altitude: _____
 No. Tempa Desa _____ Lon. 120° 01' _____ E. El. 14 m.

| Day | Air Temp. | | | Humidity | Sunshine | | Wind at Hr. | | Evapo-ration | Rain-fall (stand) | Rain-fall (auto) |
|-------|-----------|-------|------|----------|----------|---------------------|-------------|-------|--------------|-------------------|------------------|
| | Max | Min | Mean | | Hour | Radial | Dirac-tion | Veloc | | | |
| | °C | °C | °C | | Hr. | cal/cm ² | | m/sec | | | |
| 1 | 27.5 | 22.0 | 27 | 79 | 3.4 | | | 2.0 | 3.0 | - | - |
| 2 | 28.5 | 23.5 | 25 | 90 | 0.6 | | | 1.9 | 1.0 | 6 | - |
| 3 | 29.0 | 21.0 | 27 | 67 | 9.6 | | | 1.2 | 6.0 | - | 5 |
| 4 | 28.0 | 21.0 | 26 | 75 | 6.0 | | | 2.0 | 2.0 | 2 | 3 |
| 5 | 27.0 | 21.0 | - | - | 5.6 | | | 1.9 | 6.0 | 1 | - |
| 6 | 27.0 | 23.0 | - | - | 3.2 | | | 1.9 | 4.0 | 15 | 13 |
| 7 | 29.0 | 26.0 | - | - | 9.0 | | | 1.7 | 5.0 | 5 | 20 |
| 8 | 29.0 | 22.0 | - | - | 3.1 | | | 1.3 | 2.0 | 0 | 19 |
| 9 | 28.5 | 21.0 | 27 | 71 | 9.0 | | | 2.3 | 5.0 | - | 8 |
| 10 | 28.0 | 21.0 | 27 | 70 | 8.3 | | | 1.8 | 5.0 | - | - |
| 11 | 28.0 | 22.0 | 27 | 76 | 4.6 | | | 2.0 | 3.0 | - | - |
| 12 | 28.5 | 22.5 | 28 | 73 | 4.9 | | | 2.1 | 4.0 | - | - |
| 13 | 29.5 | 23.0 | 27 | 73 | 6.5 | | | 2.0 | 4.0 | - | - |
| 14 | 29.5 | 21.5 | 27 | 72 | 6.2 | | | 1.5 | 5.0 | - | - |
| 15 | 29.5 | 21.5 | 27 | 72 | 6.9 | | | 1.3 | 4.0 | - | - |
| 16 | 29.0 | 22.5 | 27 | 75 | 10.2 | | | 2.0 | 1.0 | - | - |
| 17 | 28.0 | 21.5 | 27 | 70 | 3.3 | | | 1.5 | 6.0 | 1 | 1 |
| 18 | 27.0 | 21.0 | 27 | 67 | 9.6 | | | 1.6 | 5.0 | - | - |
| 19 | 27.0 | 22.5 | 27 | 72 | 9.7 | | | 2.0 | 5.0 | - | - |
| 20 | 27.0 | 22.5 | 27 | 76 | 5.7 | | | 2.2 | 4.0 | - | - |
| 21 | 27.0 | 24.0 | 27 | 61 | 3.1 | | | 1.9 | 2.0 | 2 | - |
| 22 | 29.0 | 24.0 | 27 | 62 | 0.6 | | | 2.1 | 5.0 | - | 2 |
| 23 | 28.5 | 22.5 | 28 | 72 | 7.0 | | | 1.9 | 5.0 | - | 1 |
| 24 | 28.5 | 21.0 | 28 | 67 | 9.9 | | | 1.8 | 6.0 | - | - |
| 25 | 28.5 | 21.0 | 28 | 72 | 10.2 | | | 1.6 | 5.0 | - | - |
| 26 | 30.0 | 22.0 | 27 | 72 | 4.3 | | | 1.8 | 5.0 | 1 | 1 |
| 27 | 29.5 | 23.5 | 28 | 69 | 5.4 | | | 2.0 | 6.0 | - | - |
| 28 | 29.5 | 22.5 | 27 | 66 | 16.0 | | | 2.1 | 6.0 | - | - |
| 29 | 29.0 | 20.0 | 27 | 69 | 8.0 | | | 2.0 | 4.0 | - | - |
| 30 | 29.0 | 25.0 | 27 | 67 | 10.3 | | | 1.9 | 5.0 | - | - |
| 31 | 29.0 | 19.5 | 27 | 72 | 9.3 | | | 1.7 | 5.0 | - | - |
| Total | 875.0 | 679.0 | 730 | 1965 | 206.0 | | | 55.5 | 134 | 51 | 75 |
| Days | 31 | 31 | 31 | 28 | 31 | | | 31 | 31 | 9 | 10 |
| Mean | 28.2 | 22.0 | 24.0 | 70.2 | 7.0 | | | 2.0 | 4.3 | 6.0 | 7.3 |
| Max. | | | | | | | | | | | |
| Min. | | | | | | | | | | | |

METEOROLOGICAL RECORD.

Station No. _____ Name Pz. SA. Sengphomy Month August Year 1977
 Location: Wafu Lat. 04° 07' 30" S. Altitude: _____
 Rec Tempe Desa _____ Lon. 120° 01' " E El. 14 m

| Day | Air Temp. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|-----------------------|------------|------------|-----------------------|-------------|-------------------------------|-----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max °C | Min. °C | Mean °C | | Hour Hr. | Radiat cal/cm ² | Direct- tion | Veloc m/sec | | | |
| 1 | 21.0 | 19.5 | 20 | 77 | 4.0 | | | 1.9 | 6.0 | - | 0 |
| 2 | 22.5 | 20.5 | 21.5 | 73 | 6.1 | | | 1.9 | 5.0 | - | - |
| 3 | 20.0 | 23.5 | 21.8 | 60 | 1.0 | | | 1.9 | 5.0 | - | - |
| 4 | 21.0 | 25.0 | 23 | 72 | 7.4 | | | 1.7 | 6.0 | - | 1 |
| 5 | 20.0 | 25.0 | 22.5 | 71 | 6.4 | | | 1.6 | 6.0 | - | - |
| 6 | 20.5 | 26.5 | 23.5 | 66 | 9.1 | | | 1.5 | 5.0 | - | - |
| 7 | 20.5 | 21.5 | 21 | 67 | 9.8 | | | 2.3 | 5.0 | - | - |
| 8 | 24.0 | 21.5 | 22.8 | 76 | 6.8 | | | 2.2 | 5.0 | - | - |
| 9 | 20.0 | 25.5 | 22.8 | 71 | 9.2 | | | 1.9 | 5.0 | - | - |
| 10 | 21.0 | 25.0 | 23 | 68 | 9.3 | | | 1.5 | 5.0 | - | - |
| 11 | 20.5 | 25.2 | 23 | 72 | 6.9 | | | 2.0 | 6.0 | - | 1 |
| 12 | 21.0 | 23.5 | 22.3 | 68 | 2.7 | | | 1.9 | 7.0 | 29 | 55 |
| 13 | 21.0 | 22.0 | 21.5 | 62 | 4.9 | | | 1.0 | 6.0 | - | - |
| 14 | 21.0 | 25.0 | 23 | 62 | 10.4 | | | 2.2 | 8.0 | - | - |
| 15 | 20.5 | 20.5 | 20.5 | 63 | 10.6 | | | 2.3 | 9.5 | - | - |
| 16 | 21.5 | 18.0 | 19.8 | 63 | 6.7 | | | 2.0 | 8.0 | - | - |
| 17 | 20.5 | 19.0 | 19.8 | 63 | 7.2 | | | 2.0 | 6.0 | - | - |
| 18 | 22.0 | 21.0 | 21.5 | 66 | 7 | | | 2.3 | 7.0 | - | - |
| 19 | 22.0 | 21.5 | 21.8 | 67 | 7 | | | 1.9 | 6.0 | - | - |
| 20 | 20.0 | 26.5 | 23.3 | 67 | 11.5 | | | 1.7 | 6.0 | - | - |
| 21 | 20.0 | 26.5 | 23.3 | 69 | 6.8 | | | 1.7 | 6.0 | - | - |
| 22 | 21.0 | 23.5 | 22.3 | - | 6.3 | | | 2.1 | 6.0 | - | - |
| 23 | 20.5 | 24.0 | 22.3 | 76 | 2.7 | | | 1.7 | 6.0 | - | - |
| 24 | 20.0 | 26.0 | 23 | 73 | 5.9 | | | 1.5 | 6.0 | - | - |
| 25 | 21.0 | 21.0 | 21 | 75 | 1.4 | | | 1.7 | 3.0 | - | - |
| 26 | 20.0 | 21.5 | 20.8 | 72 | 7.1 | | | 1.8 | 6.0 | - | - |
| 27 | 20.5 | 23.0 | 21.8 | 69 | 8.7 | | | 1.9 | 6.0 | - | - |
| 28 | 20.0 | 23.0 | 21.5 | 73 | 9.0 | | | 2.4 | 6.0 | - | - |
| 29 | 20.0 | 22.0 | 21 | - | 10.7 | | | 2.0 | 8.0 | - | - |
| 30 | 20.2 | 21.0 | 20.6 | - | 10.4 | | | 1.0 | 7.0 | - | - |
| 31 | 20.0 | 20.5 | 20.3 | - | 10.3 | | | 1.7 | 7.0 | - | - |
| Total | 916 | 675 | 745 | 67.5 | 207.2 | | | 58.4 | 183 | 29 | 62 |
| Days | 31 | 31 | 27 | 27 | 29 | | | 31 | 31 | 1 | 4 |
| Mean | 30.0 | 23.0 | 22 | 67.4 | 7.2 | | | 2.0 | 6.0 | 29 | 16.0 |
| Mo'y. | | | | | | | | | | | |
| Max. | | | | | | | | | | 29 | 55 |
| Min. | | | | | | | | | | 29 | 1 |

METEOROLOGICAL RECORD

Station No. _____ Name P. St. Sungsung Month September Year 1977
 Location: Kab. Wajo Lat. 04° 07' 00" S Altitude: _____
 Kec. Tempa Desa _____ Lon. 120° 41' 00" E El. 14 m.

| Day | Air max. Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr | | Evapo- ration mm | Rain- fall (stard) mm | Rain- fall (auto) mm |
|-------|----------------------|-----------|------------|-----------------------|------------|-------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr | Radial cal/cm² | Dirac- tion | Veloc m/sec | | | |
| 1 | 28.5 | 23.0 | 25.0 | 86 | 6.3 | | | 1.8 | 7.0 | - | - |
| 2 | 31.0 | 22.5 | 25 | 87 | 6.9 | | | 2.3 | 0.0 | - | - |
| 3 | 29.1 | 23.0 | 25 | 87 | 9.0 | | | 1.5 | 7.0 | - | - |
| 4 | 31.0 | 22.0 | 25 | 85 | 10.3 | | | 1.3 | 7.0 | - | - |
| 5 | 30.0 | 22.0 | 27 | 77 | 9.3 | | | 1.8 | 7.0 | - | - |
| 6 | 31.0 | 22.0 | 27 | 87 | 6.3 | | | 1.4 | 7.0 | - | - |
| 7 | 31.0 | 22.0 | 25 | 86 | 5.7 | | | 1.8 | 6.0 | - | - |
| 8 | 31.5 | 23.0 | 27 | 86 | 0.5 | | | 1.7 | 7.0 | - | - |
| 9 | 32.5 | 24.0 | 27 | 83 | 10.5 | | | 1.6 | 7.0 | - | - |
| 10 | 32.0 | 21.0 | 27 | 82 | 9.8 | | | 1.0 | 8.0 | - | - |
| 11 | 32.0 | 23.0 | 27 | 83 | 9.6 | | | 2.0 | 0.0 | - | - |
| 12 | 32.0 | 20.5 | 27 | 85 | 6.3 | | | 1.7 | 8.0 | - | - |
| 13 | 32.0 | 20.5 | 27 | 76 | 6.4 | | | 1.6 | 8.0 | - | - |
| 14 | 32.5 | 19.5 | 27 | 77 | 6.1 | | | 1.7 | 8.0 | - | - |
| 15 | 31.5 | 18.5 | 26 | 72 | 10.5 | | | 2.7 | 8.0 | - | - |
| 16 | 32.0 | 18.5 | 27 | 79 | 6.3 | | | 0.7 | 9.0 | - | - |
| 17 | 32.0 | 19.5 | 27 | 79 | 6.2 | | | 2.1 | 9.0 | - | - |
| 18 | 32.0 | 20.5 | 28 | 75 | 9.1 | | | 2.1 | 8.0 | - | - |
| 19 | 32.5 | 20.5 | 27 | 70 | 5.5 | | | 1.9 | 8.0 | - | - |
| 20 | 32.0 | 21.0 | 27 | 77 | 1.9 | | | 2.2 | 8.5 | - | - |
| 21 | 32.2 | 23.5 | 28 | 78 | 9.5 | | | 2.4 | 8.5 | - | - |
| 22 | 32.0 | 23.0 | 27 | 77 | 9.2 | | | 2.2 | 9.0 | - | - |
| 23 | 31.8 | 21.5 | 27 | 81 | 8.7 | | | 1.14 | 9.0 | - | - |
| 24 | 31.5 | 23.0 | 27 | 85 | 6.1 | | | 2.6 | 8.0 | - | 1 |
| 25 | 31.5 | 24.0 | 28 | 83 | 6.6 | | | 2.0 | 7.0 | - | - |
| 26 | 33.0 | 24.5 | 29 | 84 | 9.2 | | | 1.9 | 9.0 | - | - |
| 27 | 32.5 | 20.0 | 27 | 82 | 6.3 | | | 2.1 | 8.0 | - | - |
| 28 | 32.8 | 25.0 | 27 | 77 | 10.2 | | | 2.3 | 9.0 | - | - |
| 29 | 31.5 | 22.0 | 27 | 82 | 9.0 | | | 2.4 | 9.0 | - | - |
| 30 | 31.7 | 23.0 | 28 | 74 | 6.1 | | | 2.3 | 9.0 | - | - |
| 31 | | | | | | | | | | | |
| Total | 948.1 | 649 | 781 | 2269 | 278.4 | | | 57.0 | 239 | | |
| Days | 31 | 30 | 29 | 28 | 30 | | | 30 | 30 | | |
| Mean | 30.6 | 22.0 | 27.0 | 79.0 | 9.3 | | | 1.9 | 8.0 | | |
| Moily | - | - | - | - | - | | | - | - | | |
| Max. | 33 | 26 | | | | | | | | | |
| Min. | 29.5 | 18.5 | | | | | | | | | |

METEOROLOGICAL RECORD

Station No. _____ Name P. S. A. Singharaj Month October Year 1977
 Location: W. P. 1 Lat. 04° 07' 30" S Altitude: _____
 _____ Desa Lon 126° 01' "E El 14 m

| Day | Atmos Temperature | | | R. Hu- midity % | Sunshine | | Wind at Hr. | | Evapo- ration mm | Rain- fall (stam) mm | Rain- fall (auto) mm |
|-------|-------------------|------------|------------|-----------------------|------------|-------------------------------|----------------|----------------|------------------------|-------------------------------|-------------------------------|
| | Max. C° | Min. C° | Mean C° | | Hour Hr | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 23.5 | 23.5 | 22 | 48 | 9.9 | | | 2.1 | 9.0 | - | - |
| 2 | 23.2 | 23.2 | 29 | 50 | 10.2 | | | 2.2 | 9.0 | - | - |
| 3 | 23.2 | 23.2 | 29 | 77 | 9.1 | | | 2.5 | 16.0 | - | - |
| 4 | 23.5 | 23.2 | 23 | 66 | 5.2 | | | 2.2 | 8.0 | - | - |
| 5 | 23.0 | 23.0 | 22 | 69 | 7.3 | | | 2.1 | 6.0 | - | - |
| 6 | 29.5 | 24.5 | 29 | 77 | 10.5 | | | 2.5 | 9.0 | - | - |
| 7 | 25.5 | 23.5 | 29 | 72 | 10.5 | | | 1.8 | 10.0 | - | - |
| 8 | 22.5 | 22.5 | 29 | 82 | 10.4 | | | 1.3 | 10.0 | - | - |
| 9 | 23.0 | 23.0 | 28 | 73 | 9.0 | | | 1.8 | 9.0 | - | - |
| 10 | 23.5 | 23.5 | 29 | 70 | 10.6 | | | 2.4 | 10.0 | - | - |
| 11 | 21.5 | 21.5 | 28 | 74 | 9.6 | | | 2.5 | 10.0 | - | - |
| 12 | 21.5 | 21.5 | 29 | 70 | X | | | 2.4 | 10.0 | - | - |
| 13 | 22.0 | 22.0 | 28 | 75 | 10.1 | | | 2.2 | 10.0 | - | - |
| 14 | 22.0 | 22.0 | 28 | 75 | 10.1 | | | 2.0 | 10.0 | - | - |
| 15 | 23.5 | 23.5 | 28 | 70 | 10.0 | | | 2.1 | 11.0 | - | - |
| 16 | 21.0 | 21.0 | 28 | 70 | X | | | 2.2 | 12.0 | - | - |
| 17 | 21.5 | 21.5 | 29 | 70 | 10.0 | | | 2.1 | 12.0 | - | - |
| 18 | 21.5 | 21.5 | 28 | 76 | 9.0 | | | 2.1 | 12.0 | - | - |
| 19 | 21.2 | 21.2 | 28 | 77 | 9.9 | | | 1.9 | 6.0 | - | - |
| 20 | 26.5 | 26.5 | 28 | 72 | 10.3 | | | 2.0 | 9.0 | - | - |
| 21 | 26.5 | 26.5 | 28 | 72 | 10.3 | | | 1.8 | 11.0 | - | - |
| 22 | 26.5 | 26.5 | 28 | 72 | 9.9 | | | 1.9 | 10.0 | - | - |
| 23 | 23.0 | 23.0 | 27 | 74 | X | | | 2.4 | 10.0 | - | - |
| 24 | 24.0 | 24.0 | 29 | 75 | 10.5 | | | 1.8 | 9.0 | - | - |
| 25 | 24.0 | 24.0 | 27 | 71 | X | | | 1.9 | 12.0 | - | - |
| 26 | 24.5 | 24.5 | 24 | 65 | X | | | 1.7 | 9.0 | - | - |
| 27 | 25.0 | 25.0 | 25 | 70 | X | | | 2.1 | 10.0 | - | - |
| 28 | 21.5 | 21.5 | 28 | 72 | 10.1 | | | 2.0 | 10.0 | - | - |
| 29 | 21.6 | 21.6 | 28 | 70 | 9.6 | | | 1.8 | 9.0 | - | - |
| 30 | 21.2 | 21.2 | 28 | 81 | 10.0 | | | 1.8 | 0.0 | - | - |
| 31 | 22.5 | 20.5 | 26 | 89 | 11.0 | | | 1.9 | 10.0 | - | - |
| Total | 694 | 574 | 879 | 5292 | 242 | | | 64 | 303 | | |
| Days | 31 | 31 | 31 | 31 | 25 | | | 31 | 31 | | |
| Mean | 22.4 | 22.4 | 28.0 | 79.0 | 10.0 | | | 2.1 | 10.0 | | |
| Mo'y. | | | | | | | | | | | |
| Max. | | | 29 | 87 | 11 | | | | 12 | | |
| Min. | | | 26 | 65 | 5.2 | | | | | | |

METEOROLOGICAL RECORD

Station No. _____ Name PS SA. Senghary Month November Year 1977
 Location: Keb. Hoja Lat 04° 07' S Altitude: _____
 Rec P. S. Senghary Deso _____ Lon: 122° 01' E El. 14 m.

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind @ Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|--------|--------------------|-----------|------------|-----------------------|------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min C° | Mean C° | | Hour Hr | Radiat cal/cm ² | Dirac- tion | Veloc m/sec | | | |
| 1 | 34.0 | 20.0 | 28 | 71 | 9.9 | | | 1.8 | 6.0 | - | - |
| 2 | 34.5 | 21.0 | 29 | 68 | 10.7 | | | 1.5 | 6.0 | - | - |
| 3 | 34.5 | 21.0 | 29 | 72 | 10.4 | | | 1.6 | 8.0 | - | - |
| 4 | 34.5 | 22.0 | 29 | 75 | 10.7 | | | 1.8 | 8.0 | - | - |
| 5 | 34.5 | 23.4 | 29 | 82 | 3.2 | | | 1.9 | 6.0 | - | - |
| 6 | 34.0 | 23.5 | 29 | 78 | 9.4 | | | 1.8 | 6.0 | - | - |
| 7 | 34.5 | 23.5 | 29 | 73 | 9.9 | | | 1.9 | 6.0 | - | - |
| 8 | 34.5 | 20.5 | 24 | 72 | 9.9 | | | 1.6 | 9.0 | - | - |
| 9 | 34.5 | 20.5 | 24 | x | 10.1 | | | 1.5 | 9.0 | - | - |
| 10 | 34.5 | 22.5 | 27 | 7 | 9.0 | | | 1.5 | 10.0 | - | - |
| 11 | 34.5 | 24.0 | 29 | 74 | 6.4 | | | 1.3 | 12.0 | - | - |
| 12 | 34.5 | 21.0 | 27 | 8 | 10.3 | | | 1.4 | 12.0 | - | - |
| 13 | 34.5 | 21.0 | 27 | 8 | 10.4 | | | 1.7 | 12.0 | - | - |
| 14 | 34.5 | 21.0 | 30 | 75 | 10.0 | | | 1.9 | 10.0 | - | - |
| 15 | 34.5 | 22.0 | 31 | 75 | 8.7 | | | 1.0 | 9.0 | - | - |
| 16 | 34.5 | 25.5 | 31 | 75 | 8.5 | | | 1.9 | 9.0 | - | - |
| 17 | 34.0 | 25.5 | 31 | 78 | 8.6 | | | 2.2 | 10.0 | 3 | 4 |
| 18 | 34.5 | 24.0 | 28 | 87 | 7.6 | | | 1.8 | 5.0 | 9 | 10 |
| 19 | 34.5 | 24.5 | 28 | 80 | 6.8 | | | 1.5 | - | 2 | 2 |
| 20 | 34.0 | 25.0 | 26 | 90 | 3.7 | | | 1.0 | 2.0 | 16 | 35 |
| 21 | 34.5 | 25.5 | 27 | 82 | 5.9 | | | 1.0 | - | - | 2 |
| 22 | 34.5 | 23.0 | 27 | 86 | 2.6 | | | 0.9 | 6.0 | - | 1 |
| 23 | 34.0 | 23.5 | 27 | 92 | 3.4 | | | 0.8 | 3.0 | 6 | 7 |
| 24 | 34.0 | 23.0 | 27 | 89 | 7.0 | | | 0.9 | - | - | - |
| 25 | 34.0 | 23.5 | 28 | 89 | 9.2 | | | 0.8 | 5.0 | - | - |
| 26 | 34.0 | 24.0 | 29 | 82 | 8.3 | | | 1.4 | 7.0 | - | - |
| 27 | 34.0 | 24.0 | 28 | 88 | 0.9 | | | 1.1 | 8.0 | 1 | 6 |
| 28 | 34.0 | 24.0 | 26 | 91 | 4.1 | | | 1.6 | - | 13 | 18 |
| 29 | 34.0 | 24.0 | 26 | 92 | 6.0 | | | 0.3 | - | - | 3 |
| 30 | 34.5 | 23.5 | 27 | 88 | 5.9 | | | 0.9 | 2.0 | - | - |
| 31 | | | | | | | | | | | |
| Total | 1043.3 | 640 | 337 | 811.1 | 231.4 | | | 228 | 196.0 | 50 | 88 |
| Days | 30 | 30 | 30 | 26 | 30 | | | 30 | 25 | 7 | 10 |
| Mean | 35.0 | 23.0 | 25.0 | 81.2 | | | | | | | |
| Mo'ty. | | | | | | | | | | | |
| Max. | | | | | | | | | | | |
| Min. | | | | | | | | | | | |

METEOROLOGICAL RECORD.

Station No. _____ Name P. SA Sengul Month December Year 1977
 Location: Kab Ways Lat 04° 07' S Altitude: _____
Acc Temp. Desa Lon 120° 01' E El. 19 m.

| Day | Atmos. Temperature | | | R. Hu- midity % | Sunshine | | Wind: Hr. | | Evapo- ration mm | Rain- fall (stand) mm | Rain- fall (auto) mm |
|-------|--------------------|------------|------------|-----------------------|-------------|-------------------------------|----------------|----------------|------------------------|--------------------------------|-------------------------------|
| | Max C° | Min. C° | Mean C° | | Hour Hr. | Radial cal/cm ² | Direc- tion | Veloc m/sec | | | |
| 1 | 32.0 | 23.5 | 26 | 92 | 6.7 | | | 1.2 | 7.0 | - | 3 |
| 2 | 35.5 | 24.0 | 27 | 86 | 6.7 | | | 1.5 | 7.0 | - | - |
| 3 | 35.5 | 20.0 | 27 | 84 | 6.2 | | | 1.3 | 0 | - | - |
| 4 | 34.0 | 23.5 | 26 | 92 | 7.6 | | | 1.1 | 7.0 | 7 | 7 |
| 5 | 34.0 | 23.5 | 26 | 92 | 3.8 | | | 1.1 | 6.0 | - | 17 |
| 6 | 33.5 | 24.0 | 27 | 87 | 7.4 | | | 0.8 | 6.0 | 13 | - |
| 7 | 33.2 | 24.8 | 26 | 90 | 2.9 | | | 0.8 | 3.0 | - | 3 |
| 8 | 31.5 | 24.5 | 26 | 82 | 6.4 | | | 1.7 | 5.0 | - | 3 |
| 9 | 33.2 | 24.0 | 26 | 85 | 3.0 | | | 1.3 | 7.0 | - | 4 |
| 10 | 31.0 | 24.0 | 26 | 93 | 2.2 | | | 1.2 | 3.0 | 6 | - |
| 11 | 31.5 | 23.5 | 27 | 87 | 0.2 | | | 1.0 | 7.0 | - | - |
| 12 | 32.5 | 24.0 | 28 | 89 | 0.2 | | | 1.4 | 5.0 | - | - |
| 13 | 31.0 | 23.5 | 28 | 86 | 5.3 | | | 1.0 | 7.0 | - | - |
| 14 | 32.5 | 23.5 | 27 | 87 | 0.7 | | | 1.4 | 4.0 | 3 | - |
| 15 | 33.5 | 23.5 | 28 | 85 | 7.0 | | | 1.3 | 2.0 | - | - |
| 16 | 33.0 | 23.5 | 27 | 83 | 2.8 | | | 1.1 | 7.0 | 3 | - |
| 17 | 31.5 | 24.5 | 28 | 84 | 4.7 | | | 1.5 | 7.0 | - | - |
| 18 | 33.0 | 23.0 | 28 | 84 | 7.5 | | | 1.5 | 8.0 | - | 1 |
| 19 | 33.5 | 23.0 | 28 | 82 | 3.6 | | | 2.5 | 7.0 | - | - |
| 20 | 33.5 | 23.0 | 28 | 86 | 7.4 | | | 1.2 | 5.0 | - | - |
| 21 | 33.0 | 23.5 | 28 | 84 | 7.0 | | | 1.2 | 7.0 | 1 | 1 |
| 22 | 34.0 | 24.5 | 29 | 86 | 5.2 | | | 1.5 | 7.0 | - | - |
| 23 | 34.0 | 24.0 | 28 | 82 | 3.9 | | | 1.3 | 7.0 | - | - |
| 24 | 35.0 | 25.0 | 29 | 87 | 3.3 | | | 1.1 | 6.0 | - | - |
| 25 | 30.0 | 23.0 | 27 | 87 | 6.1 | | | 0.9 | 8.0 | 15 | 16 |
| 26 | 35.0 | 23.0 | 28 | 87 | 8.3 | | | 0.9 | 6.0 | - | - |
| 27 | 34.0 | 24.5 | 27 | 91 | 3.2 | | | 1.1 | 4.0 | - | 1 |
| 28 | 33.0 | 24.5 | 28 | 86 | 7.3 | | | 1.1 | 7.0 | - | - |
| 29 | 34.0 | 25.0 | 28 | 85 | 5.4 | | | 1.3 | 7.0 | - | - |
| 30 | 33.5 | 25.0 | 28 | 88 | 4.3 | | | 1.2 | 7 | 11 | - |
| 31 | 33.8 | 25.0 | 26 | 94 | 1.8 | | | 1.1 | 7 | - | - |
| Total | 1025.6 | 241.8 | 249 | 2721 | 173.9 | | | 32.6 | 169.0 | 59 | 56 |
| Days | 31 | 31 | 31 | 31 | 31 | | | 31 | 29 | 7 | 10 |
| Mean | | | | | | | | | | | |
| Mo'y. | | | | | | | | | | | |
| Max. | | | | | | | | | | | |
| Min. | | | | | | | | | | | |