



INSTITUTE of
HYDROLOGY

**VARIABILITY OF TROPICAL
RAINFALL IN THE SOLOMON
ISLANDS**

Visit Report - August 1986

Variability of Tropical Rainfall in the Solomon Islands

Visit Report

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1. Background

This project was established to investigate the relationship of rainfall with altitude on the Solomon Islands. The project was proposed as a result of the advisory visit undertaken by Dr M Lowing of the Institute of Hydrology in 1982.

The aim of Phase I of the project was to establish a north-south transect of automatic recording raingauges across the island of Guadalcanal. Data collected from these gauges would then be used to determine a relationship of rainfall depth with altitude at durations of one hour to one year. Other benefits were seen as the ability to study the difference in rainfall regime on either side of the island divide and provide an insight into catchment behaviour in the vicinity of the transect. Analysis of the data collected would enable a better understanding of the water resources of the islands, assist in engineering design and have benefits for agricultural production.

The Overseas Development Administration (ODA) of the British Government and the Solomon Islands Government (SIG) agreed to fund the project. The cost of Institute of Hydrology staff time, travel, and the raingauges are being met by ODA. The rainauge installation, rainauge maintenance and data collection is provided by the Water Resources Section, Geology Division, Ministry of Natural Resources, SIG.

During the second half of 1984 four raingauges were installed on the northern half of the transect at the following locations:

	SIG Number		
(1) S.I.P.L.	5006150	(Altitude 50 m)	(Figure 2)
(2) MBUMBULAKE	5006650	(" 280 m)	(Figure 3)
(3) GOLD RIDGE	5006651	(" 290 m)	(Figure 4)
(4) MOUNT CHAUNAPAHO	5006652	(" 1250 m)	

Two gauges were installed on the more inaccessible southern transect in May 1985 at the following locations:

	SIG Number	
(5) LEIVASUVASU RIDGE	5018151	(Altitude 495 m)
(6) KAKAKE	5018150	(" 45 m)

Locations of these six raingauges are shown in Figure 1.

It was originally intended to install a gauge in the vicinity of Mount Popomanaseu (2330 m), the summit of the transect. However, in spite of repeated attempts, this was not possible because of land ownership problems and local opposition.

The raingauges provided were RIMCO 0.5 mm tipping bucket gauges attached to Institute of Hydrology electronic loggers. The loggers were set to record at a 1 hour time interval giving a maximum possible time in the field of 5.5 months before the solid state store becomes full. In practice the batteries are unable to support the logger for more than 2-3 months.

The intention of the project is to provide two years of concurrent data from all sites upon which the analysis may be based.

A good return of data was obtained until September/October 1985. From then on problems with the loggers resulted in most of the data being lost. The most common problem to date has been the loss of battery power which results in loss of data from the memory. Unfortunately the remoteness of most of the sites means that the raingauges can only be visited once every 2 or 3 months. Loss of battery power normally results in loss of data for the whole period since the last visit.

Various improvements to the battery system have been made in an attempt to resolve the situation. However, power supply problems persisted and were compounded by logger translations which revealed obviously erroneous data. Furthermore vandalism of some of the raingauges added to the loss of data.

The presence of an Institute of Hydrology hydrologist in the South Pacific (Fiji) in August 1986 enabled a short visit to be made to the Solomon Islands at a relatively low cost. The terms of reference of the visit were:

- (1) To discuss data capture difficulties with the Water Resources Officer
- (2) Obtain copies of all available data
- (3) Agree the form of final report for Phase I of the study.

★ S.I.P.L. site



Figure 2

Mbumbulake site



Figure 3

★ Gold Ridge site



Figure 4

★ S.I.L.P. and Gold Ridge temporarily being serviced by French Oedipe gauges while project Gauges out of service

This visit report describes the work carried out during this one week visit and recommends certain courses of action for the future.

2. Data capture difficulties

The normal procedure for collecting data from the raingauges in the transect is to visit the site, remove the logger unit, and return the unit to the office. A fresh logger unit with new batteries is attached to the raingauge as soon as the original unit is removed. The original logger unit is then interrogated by the office computer and data stored on magnetic cassette and floppy disc. For this to be possible more logger units than raingauges are required. As it is desirable to visit more than one raingauge per field visit, several extra loggers are needed.

The project therefore provided 10 loggers for use with the 6 RIMCO tipping bucket gauges. Two field recorders with liquid crystal displays were also provided. These units enable the contents of the logger to be checked in the field without the need to attach a computer.

Loggers 7 and 8 were brought to the Solomon Islands by the IH hydrologist following repair in the UK.

Loggers 4, 5, 9 and 10 were in the office with reported faults of either low battery power resulting in loss of data or erroneous data during translation.

Loggers 1, 2, 3 and 6 were installed in the field.

One cause of low battery power was found immediately and is easily avoided. The batteries as supplied have metal tags on both the positive and negative terminals. When inserted in the battery holder it is possible for both these tags to touch the metal case of the battery holder and thereby short out the battery. It would only need one of the four batteries in each logger to be short circuited in this way to cause serious loss of power. The solution is simply to cut off the metal tags on each battery before inserting in the holder.

Since many of the reported faults related to loss of battery power, an old logger battery board was modified to enable the current consumption of any logger to be checked. The results of the test on the four loggers with reported problems and the recently repaired logger 7 as a control were:

<u>Logger number</u>	<u>Current mA</u>
7	0.5
4	0.7
5	0.65
9	7.5
10	6.0

Clearly loggers 4 and 5 were applying no undue drain on the battery compared to logger 7. Loggers 9 and 10 however were drawing approximately ten times the current of the others. As a result of this test it was decided to return loggers 9 and 10 to the UK for repair. (These loggers have subsequently been repaired and returned to the Solomon Islands). Loggers 4 and 5 were then tested further.

Loggers 4 and 5 were connected to the two spare RIMCO gauges and tips entered manually on the raingauge. Both loggers recorded the tips correctly and transferred data without error to the computer.

Loggers 4 and 5, still attached to the raingauges were then installed outside the office for a long field test. Checks made each day by the field reader showed data were being recorded correctly. This test was continuing at the time of the departure of the IH hydrologist.

The fault with one field reader was identified as a broken wire inside the connection plug. Unfortunately this could not be repaired in the Solomon Islands and was therefore brought back to the UK.

Clearly Water Resources Section staff in the Solomon Islands were experiencing difficulties with the equipment. Considerable effort is required to visit some of the gauges (Leivasuvasu Ridge and Kakake require a 6 or more day trip), moral is low and confidence in the system easily lost when loggers malfunction and data lost.

If the aims of the project (2 years continuous, concurrent record at all gauges) are to be achieved, the present situation of trying to 'patch up' loggers either in the Solomon Islands or returning to UK for repair must not continue. It is recommended that all the existing loggers be replaced as soon as possible with a more reliable type with a guaranteed battery life. Ideally the new system would comprise the French Oedipe raingauges, since this would give full compatibility with existing equipment operated by the Water Resources Section. However, the requirement

to buy British and a probable cost advantage would suggest that Didcot Instrument 'RAINLOG' might be suitable (Annex 2). In any case the new equipment should be obtained as soon as possible to reduce the current unacceptable loss of data. The Water Resources Section have offered to renew their commitment to collect 2 years good quality data, provided they are provided with adequate equipment to do the job.

3. Collection of data and preliminary analysis

Copies of all rainfall data collected by the project to date was obtained in the following forms:

- (1) an 8 inch disc containing the basic hourly rainfall data for all stations
- (2) print summary of daily rainfall totals for all stations
- (3) plots of the daily rainfall totals for all stations

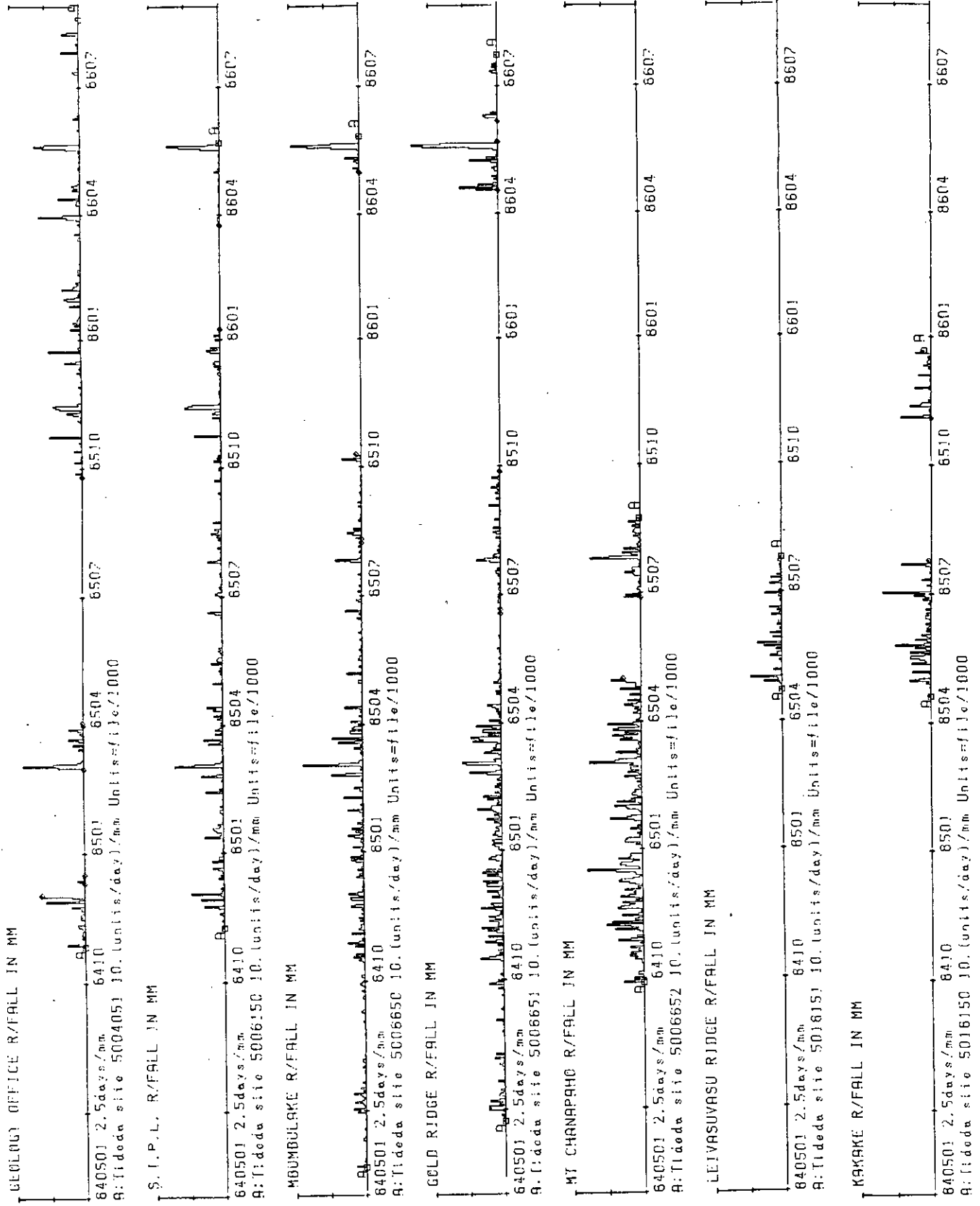
These data were produced by the micro-Tideda database system on the Water Resources Section Altos microcomputer and returned to the Institute of Hydrology.

Figure 5 shows the plot of daily rainfall totals for all stations. From this figure the good return of data until September/October 1985 can be seen. The poor return of data after this time is also clearly illustrated. Note that the raingauge at the Geology Office in Honiara does not form part of the transect study, but is mainly used to test equipment prior to field installation.

Annex 3 contains the daily rainfall totals collected at each gauge to date. These data are published here so that they may be of use in engineering or agricultural application before a more complete data set is available.

A little time was available towards the end of the visit to enable a quick look at some of the data already collected. The analysis has been applied to the four gauges on the northern section of the transect, S.I.P.L., Mbumbulake, Gold Ridge and Chaunapahe and covers the twelve month

Solomon Island rainfall data as of August 1986



period from 1st November 1984 to 31st October 1985. During this period there was a reasonable return of data:

<u>Gauge</u>	<u>Percent data missing</u>
S.I.P.L.	2%
Mbumbulake	6%
Gold Ridge	10%
Chaunapaho	35%

For each station the maximum hourly rainfall, maximum daily rainfall, maximum monthly rainfall and twelve month total rainfall was abstracted and is shown below in Table 1.

Period 1/11/84 to 31/10/85

Gauge	Altitude m	Max 1 hour mm	Max day mm	Max month mm	Annual total mm
S.I.P.L.	50	59	150	443	2174 (2237)*
Mbumbulake	280	79	146	653	2660 (2728)*
Gold Ridge	290 (600)**	50	138	958	3825 (4169)*
Chaunapaho	1250	79	150	1059	5449 (6392)*

* Adjusted total allowing for missing data

** Gold Ridge gauge installed on relatively low ground for locality.
600 m assumed as effective altitude.

Table 1

From Table 1 it can be seen that there is no obvious trend of increase in maximum precipitation with altitude for durations of 1 hour or one day. However there is a definite increase in both monthly maximum and annual total rainfalls with altitude. This seems to indicate that the increase in long term average rainfall with altitude is caused not by more intense rainfall, but by ~~from~~ rainfall occurring more often.

Not shown in Table 1, but also of interest, is the fact that at all four gauges the maximum daily rainfall occurred on the same day, 3/3/85, (Cyclone Hina) and that the maximum monthly total was in March for all gauges.

Table 1 also gives adjusted annual totals for the four gauges. Missing months or part months of record were estimated from other gauges operating using multiplying factors derived from periods of good record. These missing months were added to the genuine record to give more realistic annual total rainfall estimates. Since the 12 months period for which data were available could be wetter or drier than average, a more useful representation of the annual total data is given in Figure 6. Figure 6 provides a non-dimensional relationship between annual rainfall at 50 m altitude to rainfall at other altitudes. It should be noted that this relationship only applies to northern Guadaléanal. Since only 12 months data were used and some of that was estimated, there must be some doubt about the accuracy of the ratios of annual average rainfall. Furthermore, more work needs to be done to determine a more realistic representation of altitude for the three upper gauges. For these reasons the relationship given in Figure 6 should be treated with caution, but may be used until more data are collected and a more rigorous analysis undertaken.

Between 17th and 20th May 1986 the Solomon Islands were hit by cyclone Namu, causing extensive damage, landslides, flooding and loss of life. The return period of the cyclone has been estimated as 70 years. Unfortunately this was in the period when problems were occurring with the loggers, however data were obtained for three gauges, S.I.P.L., Mbumbulake and Gold Ridge and this has been plotted on Figure 7. Individual daily gauge totals for the cyclone may be abstracted from Annex A3. The four day rainfall totals at these gauges are given below:

S.I.P.L. - 359 mm
Mbumbulake - 512 mm
Gold Ridge - 874 mm

The Solomon Island's Water Resources Officer, Bob Curry, has plotted these 4 day totals against altitude and this is reproduced here as Figure 8.

Relationship of annual average rainfall (AAR) 1/11/84 - 31/10/85
to altitude (provisional) for Northern Guadalcanal

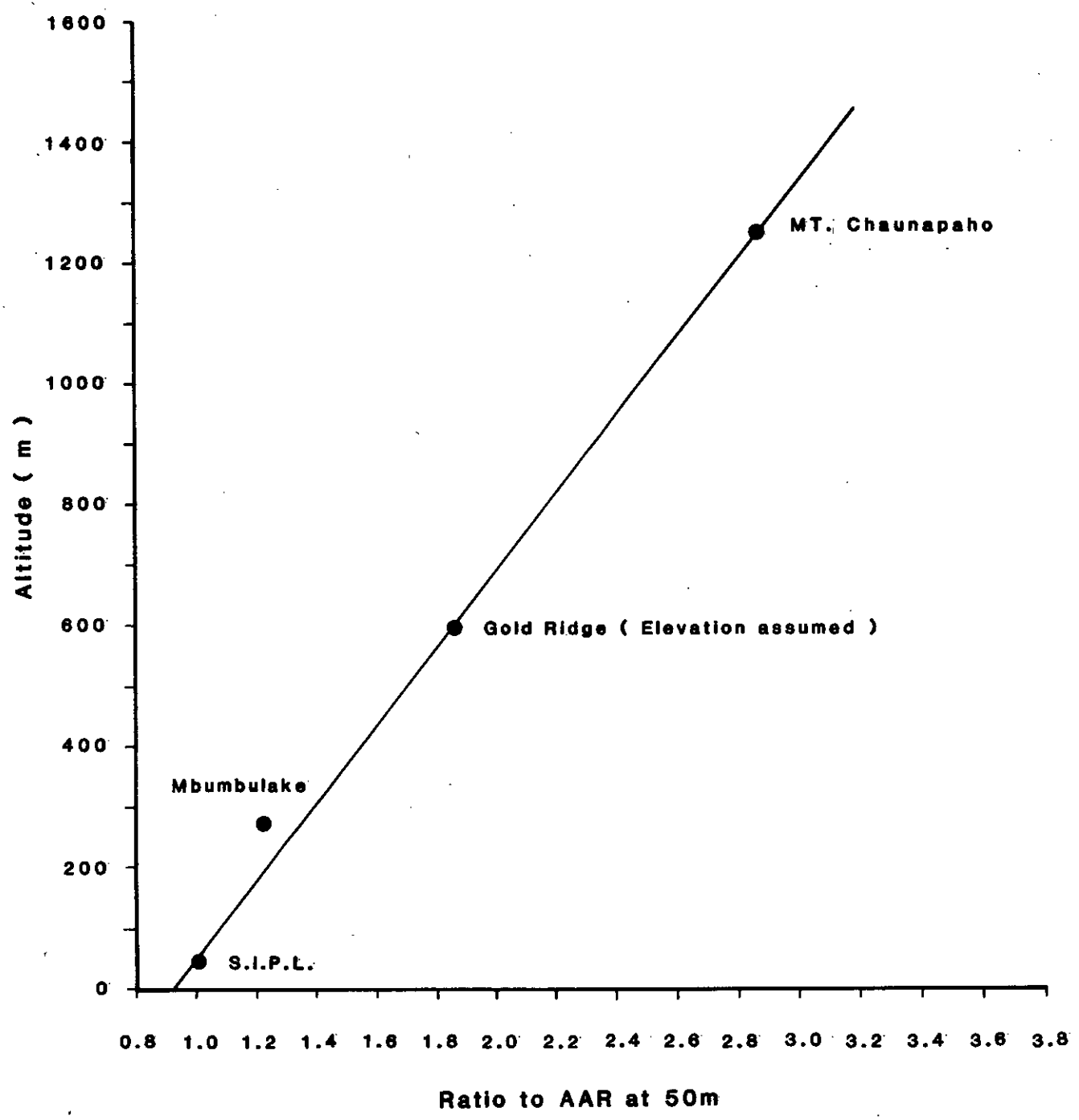


Figure 6

Cyclone Namu rainfall (17/5/86 to 20/5/86)

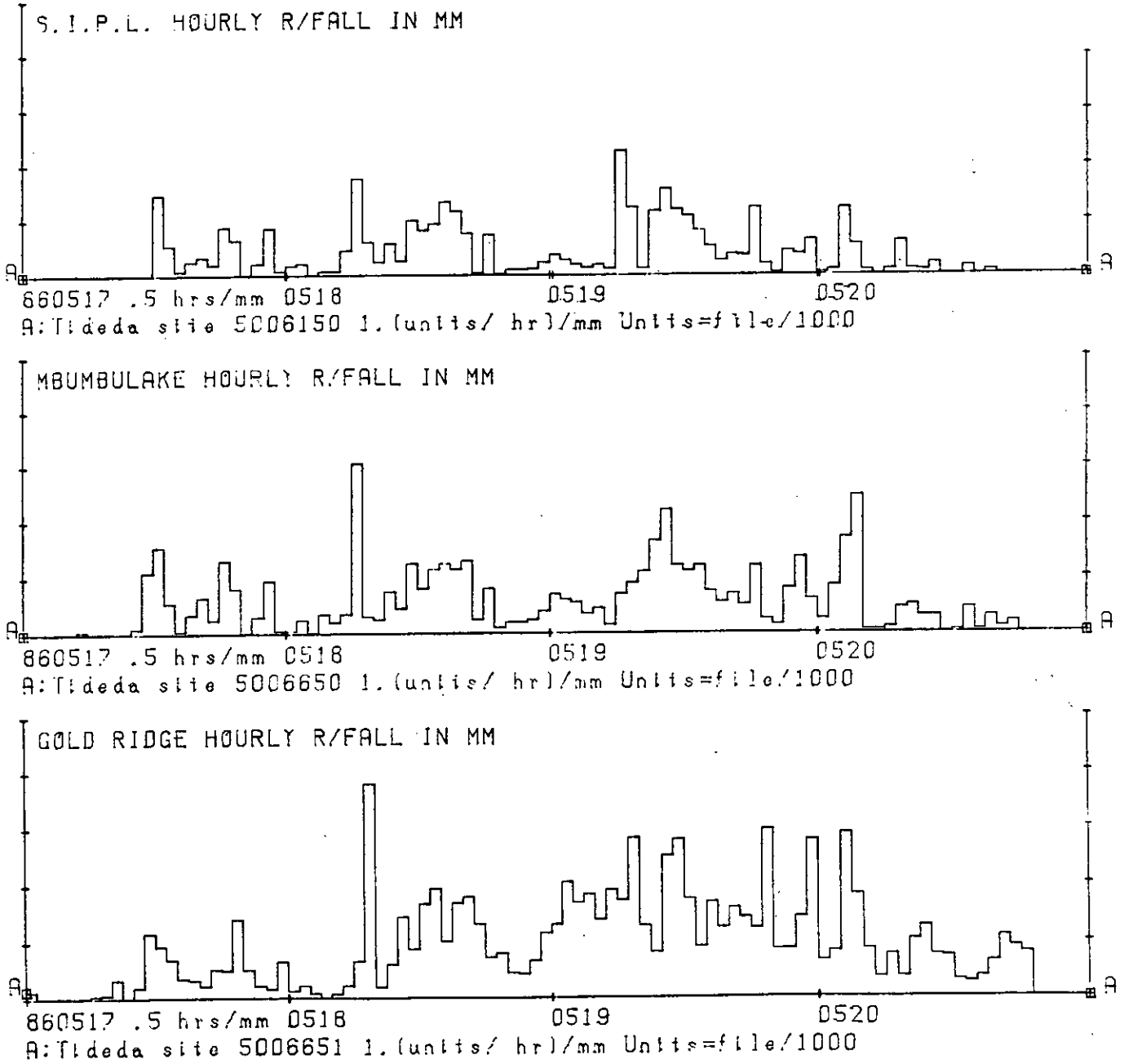


Figure 7

Cyclone Namu - Rainfall vs altitude

Northern Guadalcanal

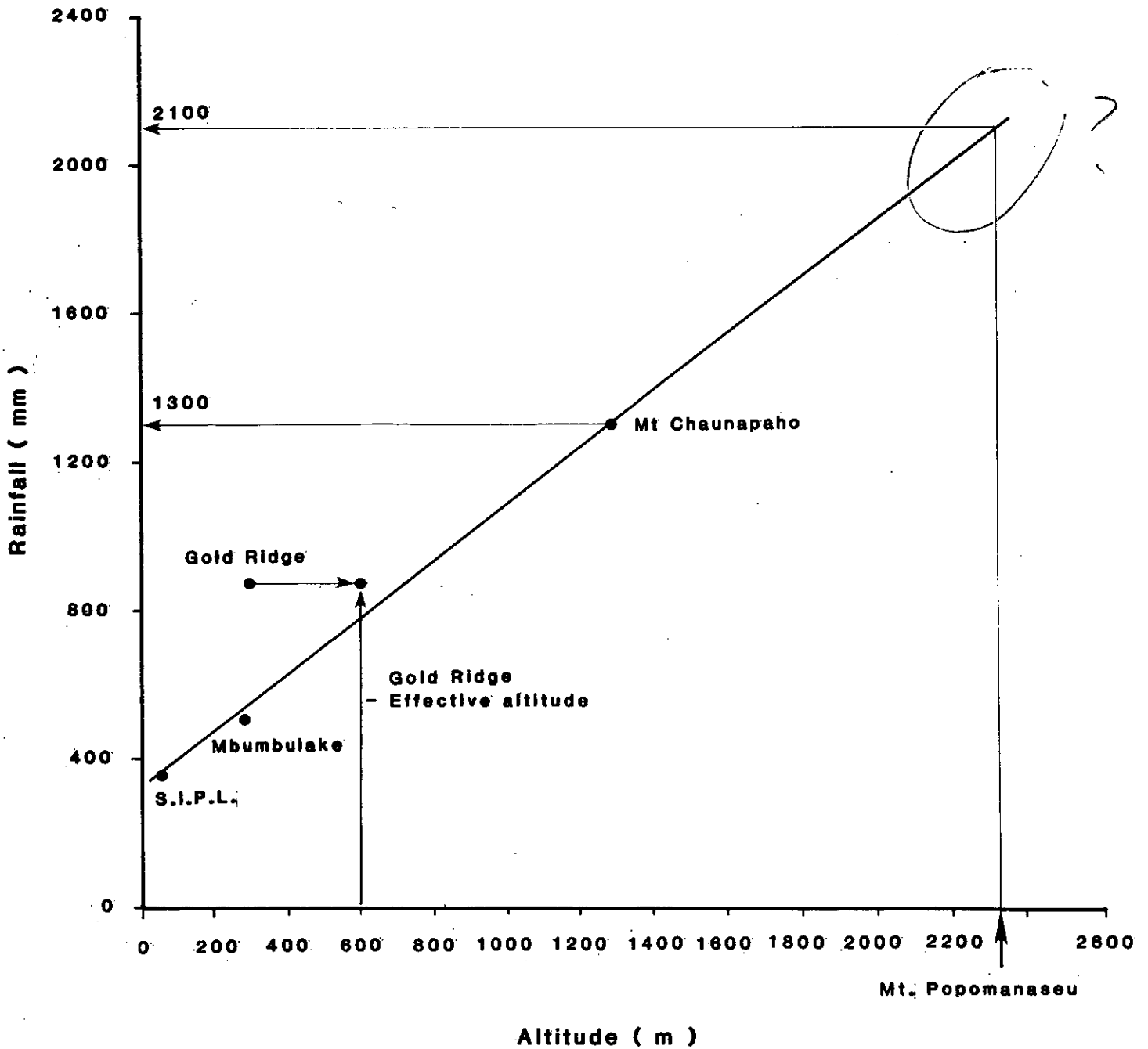


Figure 8

4. Form of final report

Discussions were held with the Solomon Islands Water Resource Officer on the form of the final report on Phase I of the project.

It was agreed that the final report should include the following:

- (i) Background to the project
- (ii) Choice and design of raingauges and loggers
- (iii) Siting of gauges
- (iv) Operational experience of equipment
- (v) Analysis of data
- (vi) Recommendations for future work

5. Discussions at the Agricultural Research Station, Dodo Creek

At the request of BDDP, Suva, discussions were held with the Chief Research Officer and staff of the SIG Agricultural Department. A useful meeting was held on 21/8/86 in which the rainfall project was discussed. The outcome of the discussion was that the rainfall data collected by the project would be very useful for agricultural purposes. Data collected by the project would therefore be made available to staff at the Dodo Creek Research Station. In particular the data collected by the Gold Ridge gauge would be of immediate use in the design of an experimental plot close by.

6. Recommendations

The following recommendations are made as a result of this visit:

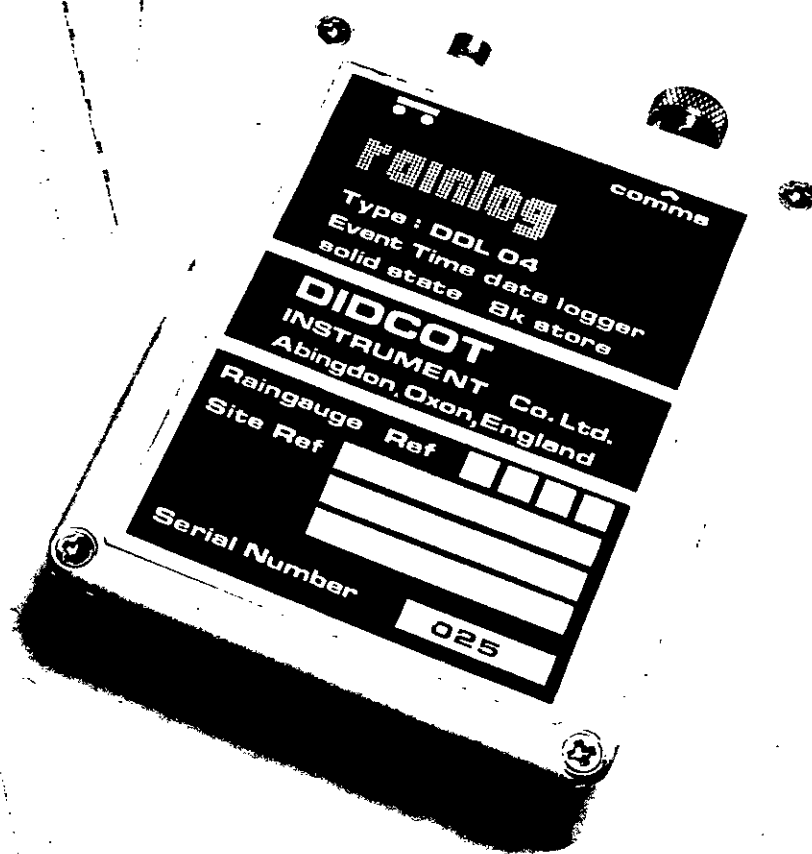
- (1) This recommendation is important and critical to the success of the project. Existing loggers should be replaced with 10 loggers of a more reliable design. In the interests of obtaining two years of good quality data at sites as soon as possible, these loggers should be provided without delay.
- (2) New batteries inserted in existing loggers should have the metal tags removed before use.

- (3) Data should be collected for a further two year period using new loggers. This should be followed by publication and analysis of the data.
- (4) A possible phase 2 should be considered only after satisfactory logger performance has been achieved.

Annex 2

Didcot Instruments 'Rainlog'

DIDCOT



DIDCOT RAINLOG

Description

The DIDCOT RAINLOG is a stand alone solid state data logger for use with a tipping bucket rain-gauge which records the time of each bucket tip with a resolution of 1/60 minute.

An Epson HX 20 portable computer is used for setting up and data collection. Collected data is stored on a microcassette. A dot matrix printer (Epson RX 80) is used to produce data printouts. Charts and histograms, as well as formatted output for the transfer of data to other computer systems, are also available.

The operating program for the HX 20 is supplied on microcassette but would normally reside permanently in the computer RAM.

Advantages of System

No interface required. No modification to a standard HX 20 microcomputer plus 16k memory expansion. No battery change should be required for at least four years. Totally waterproof, provided connectors are capped to prevent electrolytic action.

Specification

Capacity: An eight kilobyte memory is used with advanced data compression techniques to ensure maximum data storage. In event of continuous rainfall with one bucket tip in each minute the capacity is in excess of 7,500 tips. The number of bucket tips that could be recorded with only one tip per

day is 1600. The Rainlog accepts 39 contact closures per minute. In the context of a rain-gauge, contact closures are bucket tips.

With a 0.5 mm sized bucket RAINLOG will record a minimum capacity of 800 mm of rain over 4 years, and a maximum capacity of 3,750 mm over 5 days.

Identity:

User entered four character code is permitted.

Clock:

RAINLOG has a real time clock and calendar with leap year correction and a one minute resolution. Clock and calendar are reset as part of the initialisation procedure.

Batteries:

Lithium batteries are fitted which have a life expectancy of four years. A battery guarantee of THREE years is given.

Casing:

The aluminium housing is chemically treated and plastic coated to resist corrosion and is sealed with a silicone rubber compound.

Size: Excluding connectors

120 x 95 x 35mm

4.75 x 3.75 x 1.4 inches

Connectors:

Two weather proof BNC connectors are fitted, one coaxial for the rain-gauge bucket switch and one twin for computer communications.

DIDCOT INSTRUMENT COMPANY LIMITED

THAMES VIEW INDUSTRIAL PARK, STATION ROAD, ABINGDON, OXON OX14 3LD

TELEPHONE: ABINGDON (0235) 22345/22501 TELEX: 83343

Annex 3

Listing of daily rainfall 1984-1986


~~~~ MICRO-TIDEDA ~~~~ VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS  
 ~~~~ PDAY ~~~~ VER 1.4 25-07-83

DAILY TOTALS YEAR=1984 SITE=5004051 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

GEOL OFFICE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 5 | |
| 2 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 10 | 132 | |
| 3 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 10 | ? | |
| 4 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 6 | ? | |
| 5 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 8 | ? | |
| 6 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 3 | ? | |
| 7 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 8 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 9 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 10 | ? | |
| 10 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 19 | 0 | |
| 11 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 23 | 0 | |
| 12 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 21 | |
| 13 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | 2 | |
| 14 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 1 | |
| 15 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 5 | 7 | |
| 16 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 12 | 0 | |
| 17 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 9 | ? | |
| 18 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 15 | ? | |
| 19 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 2 | ? | |
| 20 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 21 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 22 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 14 | ? | |
| 23 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 20 | ? | |
| 24 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 24 | ? | |
| 25 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 26 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | ? | |
| 27 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 8 | 1 | ? | |
| 28 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 50 | 125 | ? | |
| 29 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 13 | 0 | ? | |
| 30 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 35 | ? | |
| 31 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | ? | ? | |
| MIN | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 |
| TOT | ? | ? | ? | ? | ? | ? | ? | ? | ? | 73 | 358 | 170 | 602 |
| MAX | ? | ? | ? | ? | ? | ? | ? | ? | ? | 50 | 125 | 132 | 132 |
| NO>0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 22 | 8 | 34 |

DAILY TOTALS YEAR=1985
Table=File/1000

SITE=5004051

ITEM= 1 RATING NOT APPLIED
READ TABLE:

GEOLOGICAL OFFICE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | ? | ? | 4 | 0 | ? | ? | ? | ? | ? | 0 | 0 | 1 | |
| 2 | ? | ? | 74 | 2 | ? | ? | ? | ? | ? | 0 | 1 | 2 | |
| 3 | ? | ? | 176 | ? | ? | ? | ? | ? | ? | 0 | 4 | 0 | |
| 4 | ? | ? | 87 | ? | ? | ? | ? | ? | ? | 0 | 12 | 0 | |
| 5 | ? | ? | 19 | ? | ? | ? | ? | ? | ? | 23 | 0 | 0 | |
| 6 | ? | ? | 8 | ? | ? | ? | ? | ? | ? | 0 | 4 | 3 | |
| 7 | ? | ? | 4 | ? | ? | ? | ? | ? | ? | 3 | 1 | 4 | |
| 8 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | 25 | 14 | |
| 9 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 2 | 43 | 0 | |
| 10 | ? | ? | 1 | ? | ? | ? | ? | ? | ? | 1 | 6 | 4 | |
| 11 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | 0 | 3 | |
| 12 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | 64 | 5 | |
| 13 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 24 | 75 | 0 | |
| 14 | ? | ? | 4 | ? | ? | ? | ? | ? | ? | 0 | 82 | 1 | |
| 15 | ? | ? | 17 | ? | ? | ? | ? | ? | ? | 0 | 9 | 47 | |
| 16 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | 13 | 15 | |
| 17 | ? | ? | 2 | ? | ? | ? | ? | ? | ? | 3 | 0 | 0 | |
| 18 | ? | ? | 32 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | |
| 19 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 9 | 0 | 0 | |
| 20 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | |
| 21 | ? | ? | 15 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | |
| 22 | ? | ? | 44 | ? | ? | ? | ? | ? | ? | 0 | 1 | 0 | |
| 23 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 93 | 5 | 93 | |
| 24 | ? | ? | 2 | ? | ? | ? | ? | ? | 0 | 1 | 2 | 1 | |
| 25 | ? | ? | 4 | ? | ? | ? | ? | ? | 0 | 0 | 1 | 7 | |
| 26 | ? | ? | 12 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 8 | |
| 27 | ? | ? | 0 | ? | ? | ? | ? | ? | 21 | 0 | 0 | 1 | |
| 28 | ? | ? | 16 | ? | ? | ? | ? | ? | 0 | 0 | 10 | 0 | |
| 29 | ? | ? | 43 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | |
| 30 | ? | ? | 0 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 1 | |
| 31 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | 0 | ? | 0 | |
| MIN | ? | ? | 0 | 0 | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 0 |
| TOT | ? | ? | 569 | 2 | ? | ? | ? | ? | 21 | 159 | 357 | 214 | 1322 |
| MAX | ? | ? | 176 | 2 | ? | ? | ? | ? | 21 | 93 | 82 | 93 | 176 |
| NO>0 | 0 | 0 | 22 | 1 | 0 | 0 | 0 | 0 | 1 | 14 | 19 | 20 | 77 |

DAILY TOTALS YEAR=1986
Table=File/1000

SITE=5004051

ITEM= 1 RATING NOT APPLIED
READ TABLE:

GEOL OFFICE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 2 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | ? | ? | ? | ? | |
| 3 | 1 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 4 | 0 | 1 | 0 | 2 | 3 | 1 | 0 | 2 | ? | ? | ? | ? | |
| 5 | 5 | 2 | 1 | 3 | 0 | 0 | 0 | 1 | ? | ? | ? | ? | |
| 6 | 0 | 55 | 0 | 1 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 7 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 48 | ? | ? | ? | ? | |
| 8 | 30 | 17 | 0 | 13 | 1 | 19 | 0 | 33 | ? | ? | ? | ? | |
| 9 | 0 | 10 | 0 | 10 | 1 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 10 | 0 | 6 | 0 | 10 | 0 | 7 | 13 | 0 | ? | ? | ? | ? | |
| 11 | 13 | 14 | 0 | 3 | 0 | 0 | 18 | 0 | ? | ? | ? | ? | |
| 12 | 1 | 1 | 0 | 63 | 1 | 2 | 0 | 0 | ? | ? | ? | ? | |
| 13 | 23 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 14 | 10 | 0 | 7 | 3 | 0 | 0 | 4 | 0 | ? | ? | ? | ? | |
| 15 | 8 | 0 | 8 | 2 | 6 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 16 | 6 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | ? | ? | ? | ? | |
| 17 | 4 | 9 | 0 | 1 | 43 | 0 | 0 | 0 | ? | ? | ? | ? | |
| 18 | 1 | 0 | 17 | 22 | 107 | 0 | 0 | ? | ? | ? | ? | ? | |
| 19 | 0 | 8 | 0 | 6 | 133 | 1 | 0 | ? | ? | ? | ? | ? | |
| 20 | 3 | 8 | 0 | 19 | 102 | 1 | 0 | ? | ? | ? | ? | ? | |
| 21 | 1 | 0 | 0 | 24 | 1 | 0 | 0 | ? | ? | ? | ? | ? | |
| 22 | 0 | 0 | 0 | 7 | 0 | 2 | 0 | ? | ? | ? | ? | ? | |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | ? | |
| 24 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | ? | |
| 25 | 33 | 2 | 8 | 2 | 0 | 0 | 51 | ? | ? | ? | ? | ? | |
| 26 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | ? | ? | ? | ? | ? | |
| 27 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | ? | |
| 28 | 1 | 0 | 11 | 0 | 1 | 0 | 0 | ? | ? | ? | ? | ? | |
| 29 | 38 | | 40 | 0 | 1 | 0 | 1 | ? | ? | ? | ? | ? | |
| 30 | 48 | | 120 | 0 | 0 | 0 | 1 | ? | ? | ? | ? | ? | |
| 31 | 16 | | 51 | | 8 | | 8 | ? | | ? | | ? | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ? | ? | ? | ? | 0 |
| TOT | 248 | 171 | 264 | 192 | 419 | 34 | 103 | 85 | ? | ? | ? | ? | 1517 |
| MAX | 48 | 55 | 120 | 63 | 133 | 19 | 51 | 48 | ? | ? | ? | ? | 133 |
| NO>0 | 21 | 20 | 13 | 20 | 20 | 11 | 11 | 6 | 0 | 0 | 0 | 0 | 122 |

End of process

~~~~ MICRO-TIDEDA ~~~~ VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS  
 ~~~~ PDAY ~~~~ VER 1.4 25-07-83

DAILY TOTALS YEAR=1984 SITE=5006150 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

SIPL R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 15 | |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 5 | |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 16 | |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 2 | |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 14 | |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 286 | 471 |
| MAX | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 96 | 96 |
| NO>0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 21 | 34 |

DAILY TOTALS YEAR=1985 SITE=5006150 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

SIPL R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 1 | 0 | 4 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 3 | |
| 2 | 3 | 10 | 41 | 4 | 2 | 0 | 19 | 0 | 3 | 0 | 0 | 1 | |
| 3 | 3 | 3 | 150 | 3 | 0 | 0 | 19 | 0 | 0 | 0 | 2 | 2 | |
| 4 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 4 | 0 | |
| 5 | 0 | 0 | 2 | 16 | 1 | 2 | 0 | 0 | 0 | 18 | 23 | 0 | |
| 6 | 1 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | |
| 7 | 0 | 0 | 1 | 21 | 6 | 0 | 11 | 0 | 0 | 13 | 0 | 13 | |
| 8 | 0 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 24 | 1 | |
| 9 | 3 | 0 | 1 | 4 | 10 | 0 | 3 | 0 | 0 | 6 | 12 | 0 | |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | 0 | 4 | 4 | 8 | |
| 11 | 2 | 0 | 0 | 6 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | |
| 12 | 64 | 0 | 0 | 38 | 1 | 0 | 0 | 0 | 10 | 0 | 69 | 17 | |
| 13 | 4 | 51 | 1 | 47 | 0 | 1 | 0 | 16 | 0 | 3 | 80 | 1 | |
| 14 | 5 | 12 | 7 | 0 | 31 | 0 | 0 | 32 | 0 | 0 | 79 | 1 | |
| 15 | 21 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 51 | 22 | |
| 16 | 18 | 0 | 1 | 0 | 14 | 6 | 7 | 0 | 0 | 0 | 5 | 12 | |
| 17 | 39 | 1 | 0 | 0 | 13 | 0 | 6 | 27 | 0 | 0 | 0 | 0 | |
| 18 | 2 | 0 | 41 | 0 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | 19 | 1 | 8 | 0 | 0 | 61 | 1 | 0 | 0 | 0 | 0 | 0 | |
| 20 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | |
| 21 | 14 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 9 | 2 | 1 | 0 | |
| 22 | 3 | 0 | 38 | 0 | 5 | 0 | 0 | 1 | 11 | 0 | 5 | 29 | |
| 23 | 0 | 62 | 0 | 0 | 3 | 0 | 0 | 23 | 2 | 75 | 4 | 39 | |
| 24 | 0 | 16 | 0 | 0 | 14 | 3 | 2 | 2 | 0 | 2 | 6 | 7 | |
| 25 | 0 | 3 | 22 | 0 | 10 | 0 | 38 | 0 | 0 | 1 | 0 | 27 | |
| 26 | 0 | 0 | 3 | 2 | 1 | 0 | 17 | 0 | 0 | 0 | 1 | 0 | |
| 27 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| 28 | 5 | 0 | 21 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | |
| 29 | 11 | | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 30 | 8 | | 0 | 28 | 0 | 2 | 1 | 0 | 8 | 1 | 0 | 0 | |
| 31 | 2 | | 4 | | 0 | | 0 | 0 | | 0 | | 14 | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | 233 | 174 | 443 | 179 | 135 | 77 | 134 | 145 | 50 | 132 | 380 | 209 | 2292 |
| MAX | 64 | 62 | 150 | 47 | 31 | 61 | 38 | 32 | 11 | 75 | 80 | 39 | 150 |
| NO>0 | 24 | 17 | 24 | 15 | 18 | 8 | 16 | 14 | 10 | 12 | 22 | 21 | 201 |

DAILY TOTALS YEAR=1986 SITE=5006150 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

SIPL R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 1 | ? | ? | 0 | 14 | ? | ? | ? | ? | ? | ? | ? | |
| 2 | 0 | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 3 | 19 | ? | ? | 0 | 5 | ? | ? | ? | ? | ? | ? | ? | |
| 4 | 0 | ? | ? | 1 | 1 | ? | ? | ? | ? | ? | ? | ? | |
| 5 | 3 | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 6 | 0 | ? | ? | 1 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 7 | 0 | ? | ? | 3 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 8 | ? | ? | ? | 2 | 3 | ? | ? | ? | ? | ? | ? | ? | |
| 9 | ? | ? | ? | 2 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 10 | ? | ? | ? | 1 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 11 | ? | ? | ? | 1 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 12 | ? | ? | ? | 0 | 1 | ? | ? | ? | ? | ? | ? | ? | |
| 13 | ? | ? | ? | 0 | 3 | ? | ? | ? | ? | ? | ? | ? | |
| 14 | ? | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 15 | ? | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 16 | ? | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 17 | ? | ? | ? | 2 | 56 | ? | ? | ? | ? | ? | ? | ? | |
| 18 | ? | ? | ? | 1 | 118 | ? | ? | ? | ? | ? | ? | ? | |
| 19 | ? | ? | ? | 0 | 151 | ? | ? | ? | ? | ? | ? | ? | |
| 20 | ? | ? | ? | 4 | 34 | ? | ? | ? | ? | ? | ? | ? | |
| 21 | ? | ? | ? | 2 | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 22 | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 23 | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 24 | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 25 | ? | ? | 0 | 3 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 26 | ? | ? | 0 | 2 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 27 | ? | ? | 5 | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 28 | ? | ? | 6 | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 29 | ? | ? | 5 | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 30 | ? | ? | 2 | 0 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 31 | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| MIN | 0 | ? | 0 | 0 | 0 | ? | ? | ? | ? | ? | ? | ? | 0 |
| TOT | 23 | ? | 18 | 24 | 387 | ? | ? | ? | ? | ? | ? | ? | 453 |
| MAX | 19 | ? | 6 | 4 | 151 | ? | ? | ? | ? | ? | ? | ? | 151 |
| NO>0 | 4 | 0 | 7 | 22 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 |

End of process

~~~ MICRO-TIDEDA ~~~ VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS  
 ~~~ PDAY ~~~ VER 1.4 25-07-83

DAILY TOTALS YEAR=1984 SITE=5006650 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

MBUMBULAKE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | ? | ? | ? | ? | ? | 2 | 36 | 3 | 7 | 1 | 0 | 19 | |
| 2 | ? | ? | ? | ? | ? | 2 | 5 | 0 | 0 | 0 | 0 | 57 | |
| 3 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 0 | 37 | 0 | |
| 4 | ? | ? | ? | ? | ? | 0 | 4 | 3 | 0 | 17 | 0 | 8 | |
| 5 | ? | ? | ? | ? | ? | 0 | 3 | 17 | 0 | 2 | 1 | 0 | |
| 6 | ? | ? | ? | ? | ? | 0 | 10 | 0 | 0 | 0 | 20 | 6 | |
| 7 | ? | ? | ? | ? | ? | 0 | 43 | 0 | 0 | 0 | 0 | 0 | |
| 8 | ? | ? | ? | ? | ? | 0 | 7 | 2 | 16 | 0 | 17 | 1 | |
| 9 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 2 | 1 | 0 | 3 | |
| 10 | ? | ? | ? | ? | ? | 18 | 1 | 0 | 5 | 0 | 9 | 0 | |
| 11 | ? | ? | ? | ? | ? | 0 | 11 | 0 | 0 | 0 | 4 | 1 | |
| 12 | ? | ? | ? | ? | ? | 2 | 13 | 0 | 0 | 0 | 0 | 0 | |
| 13 | ? | ? | ? | ? | ? | 0 | 34 | 0 | 0 | 0 | 14 | 21 | |
| 14 | ? | ? | ? | ? | ? | 0 | 12 | 0 | 0 | 5 | 6 | 2 | |
| 15 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 11 | 10 | 14 | |
| 16 | ? | ? | ? | ? | ? | 0 | 15 | 0 | 0 | 17 | 0 | 0 | |
| 17 | ? | ? | ? | ? | ? | 6 | 0 | 0 | 1 | 1 | 9 | 5 | |
| 18 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 31 | 1 | 4 | |
| 19 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 12 | 22 | 3 | 19 | |
| 20 | ? | ? | ? | ? | ? | 0 | 2 | 0 | 0 | 4 | 7 | 3 | |
| 21 | ? | ? | ? | ? | ? | 0 | 9 | 0 | 0 | 0 | 0 | 0 | |
| 22 | ? | ? | ? | ? | 8 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | |
| 23 | ? | ? | ? | ? | 0 | 0 | 0 | 1 | 1 | 0 | 54 | 0 | |
| 24 | ? | ? | ? | ? | 0 | 0 | 0 | 2 | 9 | 0 | 9 | 21 | |
| 25 | ? | ? | ? | ? | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 38 | |
| 26 | ? | ? | ? | ? | 7 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | |
| 27 | ? | ? | ? | ? | 3 | 0 | 3 | 0 | 10 | 14 | 0 | 30 | |
| 28 | ? | ? | ? | ? | 0 | 2 | 3 | 0 | 3 | 40 | 78 | 13 | |
| 29 | ? | ? | ? | ? | 0 | 24 | 0 | 0 | 13 | 10 | 0 | 2 | |
| 30 | ? | ? | ? | ? | 0 | 16 | 0 | 0 | 11 | 7 | 2 | 0 | |
| 31 | ? | ? | ? | ? | 0 | ? | 10 | 0 | ? | 0 | ? | 0 | |
| MIN | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | ? | ? | ? | ? | 20 | 78 | 228 | 30 | 93 | 213 | 294 | 281 | 1242 |
| MAX | ? | ? | ? | ? | 8 | 24 | 43 | 17 | 16 | 40 | 78 | 57 | 78 |
| NO>0 | 0 | 0 | 0 | 0 | 4 | 12 | 25 | 8 | 13 | 13 | 21 | 26 | 127 |

DAILY TOTALS YEAR=1985
Table=File/1000

SITE=5006650

ITEM= 1 RATING NOT APPLIED
READ TABLE:

MBUMBULAKE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 8 | 0 | 3 | 0 | 12 | 0 | 0 | 2 | 0 | 0 | ? | ? | |
| 2 | 0 | 2 | 59 | 33 | 0 | 0 | 2 | 0 | 10 | 0 | ? | ? | |
| 3 | 34 | 11 | 146 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | ? | ? | |
| 4 | 0 | 1 | 49 | 0 | 0 | 0 | 11 | 9 | 0 | 1 | ? | ? | |
| 5 | 0 | 0 | 6 | 5 | 0 | 10 | 0 | 0 | 11 | 14 | ? | ? | |
| 6 | 2 | 1 | 4 | 1 | 24 | 0 | 0 | 0 | 0 | 54 | ? | ? | |
| 7 | 8 | 0 | 1 | 9 | 21 | 0 | 5 | 0 | 0 | 0 | ? | ? | |
| 8 | 7 | 56 | 0 | 2 | 0 | 0 | 3 | ? | 0 | 0 | ? | ? | |
| 9 | 4 | 0 | 0 | 7 | 0 | 3 | 0 | ? | 0 | 15 | ? | ? | |
| 10 | 25 | 0 | 4 | 1 | 0 | 0 | 0 | 9 | 2 | ? | ? | ? | |
| 11 | 3 | 3 | 7 | 0 | 9 | 0 | 0 | 0 | 0 | ? | ? | ? | |
| 12 | 52 | 9 | 0 | 20 | 0 | 1 | 4 | 0 | 5 | ? | ? | ? | |
| 13 | 2 | 2 | 4 | 42 | 0 | 0 | 0 | 26 | 0 | ? | ? | ? | |
| 14 | 4 | 35 | 10 | 1 | 0 | 4 | 1 | 42 | 0 | ? | ? | ? | |
| 15 | 19 | 0 | 19 | 0 | 1 | 13 | 0 | 21 | 1 | ? | ? | ? | |
| 16 | 19 | 2 | 1 | 0 | 7 | 1 | 11 | 0 | 0 | ? | ? | ? | |
| 17 | 21 | 0 | 8 | 0 | 6 | 10 | 2 | 24 | 3 | ? | ? | ? | |
| 18 | 1 | 0 | 70 | 0 | 13 | 2 | 0 | 0 | 1 | ? | ? | ? | |
| 19 | 3 | 6 | 21 | 0 | 3 | 8 | 0 | 0 | 0 | ? | ? | ? | |
| 20 | 8 | 3 | 4 | 0 | 0 | 42 | 0 | 0 | 0 | ? | ? | ? | |
| 21 | 11 | 1 | 33 | 0 | 0 | 0 | 0 | 0 | 2 | ? | ? | ? | |
| 22 | 4 | 1 | 55 | 0 | 1 | 0 | 0 | 0 | 1 | ? | ? | ? | |
| 23 | 0 | 89 | 2 | 2 | 2 | 0 | 0 | 9 | 0 | ? | ? | ? | |
| 24 | 0 | 48 | 0 | 0 | 9 | 0 | 31 | 4 | 0 | ? | ? | ? | |
| 25 | 3 | 1 | 37 | 0 | 2 | 0 | 55 | 1 | 0 | ? | ? | ? | |
| 26 | 0 | 0 | 36 | 0 | 2 | 9 | 31 | 0 | 0 | ? | ? | ? | |
| 27 | 2 | 7 | 1 | 0 | 0 | 16 | 0 | 3 | 0 | ? | ? | ? | |
| 28 | 11 | 0 | 15 | 0 | 0 | 0 | 3 | 0 | 0 | ? | ? | ? | |
| 29 | 44 | | 41 | 0 | 0 | 0 | 1 | 0 | 0 | ? | ? | ? | |
| 30 | 2 | | 0 | 11 | 6 | 0 | 0 | 0 | 0 | ? | ? | ? | |
| 31 | 1 | | 13 | | 0 | | 8 | 0 | | ? | | ? | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ? | ? | 0 |
| TOT | 306 | 283 | 653 | 139 | 126 | 120 | 176 | 154 | 40 | 86 | ? | ? | 2085 |
| MAX | 52 | 89 | 146 | 42 | 24 | 42 | 55 | 42 | 11 | 54 | ? | ? | 146 |
| NO>0 | 26 | 22 | 27 | 14 | 22 | 12 | 17 | 15 | 14 | 6 | 0 | 0 | 175 |

End of process

~~~ MICRO-TIDEDA ~~~ VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS  
 ~~~ PDAY ~~~ VER 1.4 25-07-83

DAILY TOTALS YEAR=1986 SITE=5006650 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

MBUMBULAKE R/FALL IN MM [19.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | ? | ? | ? | ? | 7 | ? | ? | ? | ? | ? | ? | ? | |
| 2 | ? | ? | ? | ? | 5 | ? | ? | ? | ? | ? | ? | ? | |
| 3 | ? | ? | ? | ? | 18 | ? | ? | ? | ? | ? | ? | ? | |
| 4 | ? | ? | ? | ? | 2 | ? | ? | ? | ? | ? | ? | ? | |
| 5 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 6 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 7 | ? | ? | ? | ? | 8 | ? | ? | ? | ? | ? | ? | ? | |
| 8 | ? | ? | ? | ? | 15 | ? | ? | ? | ? | ? | ? | ? | |
| 9 | ? | ? | ? | ? | 4 | ? | ? | ? | ? | ? | ? | ? | |
| 10 | ? | ? | ? | ? | 42 | ? | ? | ? | ? | ? | ? | ? | |
| 11 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 12 | ? | ? | ? | ? | 1 | ? | ? | ? | ? | ? | ? | ? | |
| 13 | ? | ? | ? | ? | 3 | ? | ? | ? | ? | ? | ? | ? | |
| 14 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 15 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 16 | ? | ? | ? | ? | 7 | ? | ? | ? | ? | ? | ? | ? | |
| 17 | ? | ? | ? | ? | 60 | ? | ? | ? | ? | ? | ? | ? | |
| 18 | ? | ? | ? | ? | 151 | ? | ? | ? | ? | ? | ? | ? | |
| 19 | ? | ? | ? | ? | 197 | ? | ? | ? | ? | ? | ? | ? | |
| 20 | ? | ? | ? | ? | 81 | ? | ? | ? | ? | ? | ? | ? | |
| 21 | ? | ? | ? | ? | 2 | ? | ? | ? | ? | ? | ? | ? | |
| 22 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 23 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 24 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 25 | ? | ? | ? | ? | 0 | ? | ? | ? | ? | ? | ? | ? | |
| 26 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| 27 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| 28 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| 29 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| 30 | ? | ? | ? | 2 | ? | ? | ? | ? | ? | ? | ? | ? | |
| 31 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| MIN | ? | ? | ? | 2 | 0 | ? | ? | ? | ? | ? | ? | ? | 0 |
| TOT | ? | ? | ? | 2 | 628 | ? | ? | ? | ? | ? | ? | ? | 631 |
| MAX | ? | ? | ? | 2 | 197 | ? | ? | ? | ? | ? | ? | ? | 197 |
| NO>0 | 0 | 0 | 0 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |

End of process

~~~ MICRO-TIDEDA ~~~ VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS  
 ~~~ PDAY ~~~ VER 1.4 25-07-83

DAILY TOTALS YEAR=1984 SITE=5006651 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

GOLD RIDGE R/FALL IN MM 19.08.86

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | ? | ? | ? | ? | ? | ? | 42 | 15 | 23 | 1 | 0 | 13 | |
| 2 | ? | ? | ? | ? | ? | ? | 49 | 0 | 0 | 0 | 0 | 46 | |
| 3 | ? | ? | ? | ? | ? | ? | 4 | 0 | 0 | 0 | 20 | 0 | |
| 4 | ? | ? | ? | ? | ? | ? | 3 | 4 | 2 | 13 | 46 | 9 | |
| 5 | ? | ? | ? | ? | ? | ? | 15 | 28 | 1 | 1 | 12 | 0 | |
| 6 | ? | ? | ? | ? | ? | ? | 15 | 0 | 0 | 0 | 64 | 47 | |
| 7 | ? | ? | ? | ? | ? | ? | 54 | 1 | 0 | 0 | 0 | 48 | |
| 8 | ? | ? | ? | ? | ? | ? | 0 | 25 | 0 | 0 | 15 | 13 | |
| 9 | ? | ? | ? | ? | ? | ? | 0 | 0 | 3 | 0 | 0 | 58 | |
| 10 | ? | ? | ? | ? | ? | ? | 9 | 0 | 8 | 0 | 24 | 0 | |
| 11 | ? | ? | ? | ? | ? | ? | 9 | 0 | 4 | 0 | 42 | 3 | |
| 12 | ? | ? | ? | ? | ? | ? | 16 | 0 | 0 | 0 | 7 | 7 | |
| 13 | ? | ? | ? | ? | ? | ? | 5 | 0 | 0 | 0 | 23 | 45 | |
| 14 | ? | ? | ? | ? | ? | ? | 13 | 0 | 0 | 9 | 41 | 13 | |
| 15 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 67 | 12 | 58 | |
| 16 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 42 | 0 | 1 | |
| 17 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 14 | 9 | 47 | |
| 18 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 10 | 1 | 1 | |
| 19 | ? | ? | ? | ? | ? | ? | 4 | 0 | 7 | 11 | 22 | 4 | |
| 20 | ? | ? | ? | ? | ? | ? | 7 | 0 | 0 | 3 | 64 | 8 | |
| 21 | ? | ? | ? | ? | ? | ? | 13 | 1 | 0 | 15 | 0 | 1 | |
| 22 | ? | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 9 | 4 | |
| 23 | ? | ? | ? | ? | ? | 0 | 0 | 0 | 1 | 0 | 43 | 1 | |
| 24 | ? | ? | ? | ? | ? | 4 | 0 | 7 | 18 | 1 | 12 | 19 | |
| 25 | ? | ? | ? | ? | ? | 2 | 0 | 0 | 0 | 1 | 0 | 40 | |
| 26 | ? | ? | ? | ? | ? | 12 | 0 | 0 | 0 | 19 | 0 | 31 | |
| 27 | ? | ? | ? | ? | ? | 0 | 0 | 1 | 42 | 21 | 3 | 18 | |
| 28 | ? | ? | ? | ? | ? | 0 | 6 | 0 | 19 | 42 | 32 | 3 | |
| 29 | ? | ? | ? | ? | ? | 7 | 0 | 3 | 4 | 16 | 9 | 1 | |
| 30 | ? | ? | ? | ? | ? | 47 | 3 | 0 | 18 | 3 | 12 | 0 | |
| 31 | ? | ? | ? | ? | ? | ? | 8 | 5 | ? | 44 | ? | 0 | |
| MIN | ? | ? | ? | ? | ? | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | ? | ? | ? | ? | ? | 73 | 279 | 95 | 155 | 339 | 530 | 546 | 2018 |
| MAX | ? | ? | ? | ? | ? | 47 | 54 | 28 | 42 | 67 | 64 | 58 | 67 |
| NO>0 | 0 | 0 | 0 | 0 | 0 | 6 | 22 | 16 | 19 | 23 | 25 | 29 | 140 |

DAILY TOTALS YEAR=1985
Table=File/1000

SITE=5006651

ITEM= 1 RATING NOT APPLIED
READ TABLE:

GOLD RIDGE R/FALL IN MM 19.08.86

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 11 | 0 | 8 | 0 | 6 | 10 | 2 | 8 | 2 | ? | ? | ? | |
| 2 | 9 | 14 | 43 | 33 | 3 | 0 | 3 | 0 | 32 | ? | ? | ? | |
| 3 | 22 | 6 | 138 | 2 | 3 | 0 | 1 | 0 | 1 | ? | ? | ? | |
| 4 | 28 | 11 | 51 | 0 | 0 | 0 | 6 | 6 | 1 | ? | ? | ? | |
| 5 | 1 | 0 | 17 | 5 | 0 | 0 | 5 | 1 | 0 | ? | ? | ? | |
| 6 | 25 | 44 | 6 | 1 | 6 | 0 | 0 | 0 | 0 | ? | ? | ? | |
| 7 | 29 | 0 | 1 | 4 | 4 | 0 | 3 | 0 | 12 | ? | ? | ? | |
| 8 | 0 | 55 | 1 | 5 | 2 | 0 | 8 | 0 | 1 | ? | ? | ? | |
| 9 | 0 | 5 | 8 | 14 | 1 | 0 | 0 | 0 | 0 | ? | ? | ? | |
| 10 | 12 | 20 | 50 | 7 | 0 | 0 | 1 | 13 | 1 | ? | ? | ? | |
| 11 | 10 | 2 | 29 | 0 | 2 | 0 | 0 | 0 | 13 | ? | ? | ? | |
| 12 | 36 | 2 | 3 | 43 | 6 | 0 | 2 | 0 | 6 | ? | ? | ? | |
| 13 | 19 | 7 | 20 | 39 | 1 | 0 | 0 | 12 | 0 | ? | ? | ? | |
| 14 | 7 | 19 | 16 | 1 | 0 | 0 | 8 | 21 | 8 | ? | ? | ? | |
| 15 | 12 | 0 | 17 | 1 | 1 | 0 | 5 | 0 | 25 | ? | ? | ? | |
| 16 | 12 | 13 | 9 | 0 | 0 | 0 | 12 | 0 | 1 | ? | ? | ? | |
| 17 | 12 | 1 | 4 | 0 | 6 | ? | 15 | 19 | 10 | ? | ? | ? | |
| 18 | 0 | 0 | 81 | 0 | 0 | ? | 0 | 1 | 5 | ? | ? | ? | |
| 19 | 9 | 13 | 51 | 0 | 0 | ? | 9 | 2 | 0 | ? | ? | ? | |
| 20 | 2 | 5 | 64 | 0 | 3 | 0 | 0 | 2 | 0 | ? | ? | ? | |
| 21 | 23 | 1 | 37 | 11 | 4 | 0 | 0 | 0 | 6 | ? | ? | ? | |
| 22 | 43 | 1 | 51 | 0 | 2 | 0 | 0 | 0 | 24 | ? | ? | ? | |
| 23 | 0 | 41 | 37 | 14 | 10 | 0 | 0 | 16 | 3 | ? | ? | ? | |
| 24 | 9 | 89 | 1 | 0 | 0 | 0 | 30 | 2 | 0 | ? | ? | ? | |
| 25 | 22 | 19 | 53 | 0 | 0 | 7 | 69 | 2 | 0 | ? | ? | ? | |
| 26 | 0 | 0 | 53 | 6 | 3 | 7 | 45 | 0 | 0 | ? | ? | ? | |
| 27 | 18 | 4 | 1 | 0 | 0 | 5 | 0 | 1 | ? | ? | ? | ? | |
| 28 | 27 | 0 | 11 | 0 | 1 | 3 | 20 | 2 | ? | ? | ? | ? | |
| 29 | 71 | | 89 | 15 | 2 | 8 | 17 | 0 | ? | ? | ? | ? | |
| 30 | 29 | | 1 | 10 | 1 | 1 | 5 | 0 | ? | ? | ? | ? | |
| 31 | 31 | | 0 | | 1 | | 1 | 0 | | ? | | ? | |
| MIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ? | ? | ? | 0 |
| TOT | 536 | 378 | 958 | 214 | 73 | 44 | 274 | 113 | 157 | ? | ? | ? | 2749 |
| MAX | 71 | 89 | 138 | 43 | 10 | 10 | 69 | 21 | 32 | ? | ? | ? | 138 |
| NO>0 | 28 | 24 | 30 | 19 | 23 | 9 | 26 | 19 | 20 | 0 | 0 | 0 | 198 |

End of process

*** MICRO-TIDEDA *** VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS
 *** PDAY *** VER 1.4 25-07-83

DAILY TOTALS YEAR=1986 SITE=5006651 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

GOLD RIDGE R/FALL IN MM [20.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC |
|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|
| 1 | ? | ? | ? | ? | 9 | ? | 0 | ? | ? | ? | ? | ? |
| 2 | ? | ? | ? | ? | 10 | ? | 0 | ? | ? | ? | ? | ? |
| 3 | ? | ? | ? | ? | 17 | ? | 0 | ? | ? | ? | ? | ? |
| 4 | ? | ? | ? | ? | 1 | ? | 0 | ? | ? | ? | ? | ? |
| 5 | ? | ? | ? | ? | 2 | 3 | 0 | ? | ? | ? | ? | ? |
| 6 | ? | ? | ? | ? | 0 | 3 | 0 | ? | ? | ? | ? | ? |
| 7 | ? | ? | ? | ? | 19 | 1 | 0 | ? | ? | ? | ? | ? |
| 8 | ? | ? | ? | ? | 82 | 37 | 0 | ? | ? | ? | ? | ? |
| 9 | ? | ? | ? | ? | 0 | 42 | 0 | ? | ? | ? | ? | ? |
| 10 | ? | ? | ? | ? | 34 | 0 | 13 | ? | ? | ? | ? | ? |
| 11 | ? | ? | ? | ? | 0 | 19 | 21 | ? | ? | ? | ? | ? |
| 12 | ? | ? | ? | ? | 4 | 0 | 0 | ? | ? | ? | ? | ? |
| 13 | ? | ? | ? | ? | 2 | 0 | 5 | ? | ? | ? | ? | ? |
| 14 | ? | ? | ? | ? | 0 | 0 | 15 | ? | ? | ? | ? | ? |
| 15 | ? | ? | ? | ? | 3 | 0 | 0 | ? | ? | ? | ? | ? |
| 16 | ? | ? | ? | ? | 14 | 1 | 15 | ? | ? | ? | ? | ? |
| 17 | ? | ? | ? | 42 | 83 | 0 | 3 | ? | ? | ? | ? | ? |
| 18 | ? | ? | ? | 16 | 219 | 0 | 0 | ? | ? | ? | ? | ? |
| 19 | ? | ? | ? | 113 | 406 | 0 | 0 | ? | ? | ? | ? | ? |
| 20 | ? | ? | ? | 1 | 165 | 0 | 0 | ? | ? | ? | ? | ? |
| 21 | ? | ? | ? | 58 | 1 | 0 | 1 | ? | ? | ? | ? | ? |
| 22 | ? | ? | ? | 14 | ? | 0 | 0 | ? | ? | ? | ? | ? |
| 23 | ? | ? | ? | 0 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 24 | ? | ? | ? | 0 | ? | 2 | ? | ? | ? | ? | ? | ? |
| 25 | ? | ? | ? | 12 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 26 | ? | ? | ? | 3 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 27 | ? | ? | ? | 18 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 28 | ? | ? | ? | 0 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 29 | ? | ? | ? | 0 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 30 | ? | ? | ? | 1 | ? | 0 | ? | ? | ? | ? | ? | ? |
| 31 | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| MIN | ? | ? | ? | 0 | 0 | 0 | 0 | ? | ? | ? | ? | ? |
| TOT | ? | ? | ? | 278 | 1077 | 111 | 76 | ? | ? | ? | ? | ? |
| MAX | ? | ? | ? | 113 | 406 | 42 | 21 | ? | ? | ? | ? | ? |
| NO>0 | 0 | 0 | 0 | 10 | 19 | 10 | 9 | 0 | 0 | 0 | 0 | 0 |

0
1543
406
48

End of process

*** MICRO-TIDEDA *** VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS
 *** PDAY *** VER 1.4 25-07-83

DAILY TOTALS YEAR=1984 SITE=5006652 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

MT CHANAPAO R/FALL IN MM [20.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 1 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 13 | 0 | 31 | |
| 2 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | 1 | 68 | |
| 3 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | 13 | 0 | |
| 4 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 25 | 80 | 22 | |
| 5 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 8 | 4 | 1 | |
| 6 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 2 | 46 | 0 | |
| 7 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 88 | 27 | |
| 8 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 17 | 100 | |
| 9 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | 0 | 53 | |
| 10 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 87 | 34 | |
| 11 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 27 | 5 | |
| 12 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 10 | 12 | 11 | |
| 13 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 2 | 13 | |
| 14 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 15 | 38 | 17 | |
| 15 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 31 | 42 | 86 | |
| 16 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 20 | 0 | 62 | |
| 17 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 31 | 8 | 98 | |
| 18 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 35 | 1 | 12 | |
| 19 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 19 | 52 | 4 | |
| 20 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 4 | 85 | 58 | |
| 21 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 26 | 14 | 114 | |
| 22 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 39 | 27 | 21 | |
| 23 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 1 | 62 | 8 | |
| 24 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 0 | 18 | 18 | |
| 25 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 5 | 21 | 65 | |
| 26 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 6 | 0 | 54 | |
| 27 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 42 | 33 | 38 | |
| 28 | ? | ? | ? | ? | ? | ? | ? | ? | 74 | 46 | 67 | 2 | |
| 29 | ? | ? | ? | ? | ? | ? | ? | ? | 8 | 22 | 22 | 2 | |
| 30 | ? | ? | ? | ? | ? | ? | ? | ? | 31 | 2 | 2 | 0 | |
| 31 | ? | ? | ? | ? | ? | ? | ? | ? | ? | 17 | ? | 0 | |
| MIN | ? | ? | ? | ? | ? | ? | ? | ? | 3 | 0 | 0 | 0 | 0 |
| TOT | ? | ? | ? | ? | ? | ? | ? | ? | 108 | 427 | 869 | 1032 | 2437 |
| MAX | ? | ? | ? | ? | ? | ? | ? | ? | 74 | 46 | 88 | 114 | 114 |
| NO>0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 29 | 27 | 30 | 89 |

DAILY TOTALS YEAR=1985 SITE=5006652 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

MT CHANAPAH0 R/FALL IN MM [20.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | 2 | 1 | 32 | 11 | ? | ? | 0 | 47 | ? | ? | ? | ? | |
| 2 | 0 | 15 | 54 | 4 | ? | ? | 2 | 1 | ? | ? | ? | ? | |
| 3 | 0 | 66 | 150 | 3 | ? | ? | 11 | 8 | ? | ? | ? | ? | |
| 4 | 19 | 46 | 53 | 0 | ? | ? | 8 | 11 | ? | ? | ? | ? | |
| 5 | 53 | 3 | 52 | 4 | ? | ? | 1 | 5 | ? | ? | ? | ? | |
| 6 | 51 | 12 | 8 | 1 | ? | ? | 0 | 1 | ? | ? | ? | ? | |
| 7 | 40 | 2 | 3 | 22 | ? | ? | 5 | 0 | ? | ? | ? | ? | |
| 8 | 7 | 33 | 1 | 9 | ? | ? | 7 | 0 | ? | ? | ? | ? | |
| 9 | 9 | 23 | 27 | 14 | ? | ? | 0 | 5 | ? | ? | ? | ? | |
| 10 | 3 | 34 | 62 | 11 | ? | ? | 5 | 19 | ? | ? | ? | ? | |
| 11 | 4 | 0 | 19 | 0 | ? | ? | 0 | 1 | ? | ? | ? | ? | |
| 12 | 16 | 2 | 2 | 48 | ? | ? | 0 | 13 | ? | ? | ? | ? | |
| 13 | 2 | 6 | 5 | 29 | ? | ? | 18 | 22 | ? | ? | ? | ? | |
| 14 | 13 | 11 | 8 | 4 | ? | ? | 22 | 18 | ? | ? | ? | ? | |
| 15 | 20 | 1 | 5 | 41 | ? | ? | 44 | 14 | ? | ? | ? | ? | |
| 16 | 4 | 15 | 10 | 0 | ? | ? | 15 | 0 | ? | ? | ? | ? | |
| 17 | 9 | 0 | 11 | 0 | ? | ? | 24 | 23 | ? | ? | ? | ? | |
| 18 | 1 | 0 | 34 | 0 | ? | ? | 23 | 0 | ? | ? | ? | ? | |
| 19 | 5 | 22 | 38 | 29 | ? | ? | 4 | 14 | ? | ? | ? | ? | |
| 20 | 17 | 48 | 62 | 4 | ? | ? | 0 | 33 | ? | ? | ? | ? | |
| 21 | 10 | 1 | 20 | 0 | ? | ? | 5 | 1 | ? | ? | ? | ? | |
| 22 | 127 | 0 | 62 | 0 | ? | ? | 0 | 3 | ? | ? | ? | ? | |
| 23 | 0 | 10 | 54 | 59 | ? | ? | 1 | ? | ? | ? | ? | ? | |
| 24 | 29 | 43 | 2 | 0 | ? | ? | 8 | ? | ? | ? | ? | ? | |
| 25 | 0 | 31 | 51 | 0 | ? | ? | 142 | ? | ? | ? | ? | ? | |
| 26 | 0 | 1 | 84 | 30 | ? | ? | 88 | ? | ? | ? | ? | ? | |
| 27 | 6 | 35 | 10 | 8 | ? | 20 | 9 | ? | ? | ? | ? | ? | |
| 28 | 18 | 18 | 9 | 40 | ? | 9 | 25 | ? | ? | ? | ? | ? | |
| 29 | 51 | | 99 | 65 | ? | 42 | 52 | ? | ? | ? | ? | ? | |
| 30 | 39 | | 3 | 60 | ? | 1 | 3 | ? | ? | ? | ? | ? | |
| 31 | 64 | | 21 | | ? | | 8 | ? | | ? | | ? | |
| MIN | 0 | 0 | 1 | 0 | ? | 1 | 0 | 0 | ? | ? | ? | ? | 0 |
| TOT | 627 | 484 | 1059 | 521 | ? | 73 | 537 | 245 | ? | ? | ? | ? | 3548 |
| MAX | 127 | 66 | 150 | 80 | ? | 42 | 142 | 47 | ? | ? | ? | ? | 150 |
| NO>0 | 30 | 26 | 31 | 24 | 0 | 4 | 29 | 20 | 0 | 0 | 0 | 0 | 164 |

End of process

*** MICRO-TIDEDA *** VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS
 *** PDAY *** VER 1.4 25-07-83

DAILY TOTALS YEAR=1985 SITE=5018151 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

LEIVASUVASU RIDGE R/FALL IN MM [20.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | ? | ? | ? | ? | 90 | 23 | 8 | ? | ? | ? | ? | ? | |
| 2 | ? | ? | ? | ? | 2 | 11 | 0 | ? | ? | ? | ? | ? | |
| 3 | ? | ? | ? | ? | 0 | 0 | 0 | ? | ? | ? | ? | ? | |
| 4 | ? | ? | ? | ? | 2 | 5 | 1 | ? | ? | ? | ? | ? | |
| 5 | ? | ? | ? | ? | 0 | 3 | 0 | ? | ? | ? | ? | ? | |
| 6 | ? | ? | ? | ? | 2 | 0 | 34 | ? | ? | ? | ? | ? | |
| 7 | ? | ? | ? | ? | 22 | 15 | 4 | ? | ? | ? | ? | ? | |
| 8 | ? | ? | ? | ? | 0 | 0 | 3 | ? | ? | ? | ? | ? | |
| 9 | ? | ? | ? | ? | 0 | 11 | 0 | ? | ? | ? | ? | ? | |
| 10 | ? | ? | ? | ? | 0 | 0 | 30 | ? | ? | ? | ? | ? | |
| 11 | ? | ? | ? | ? | 1 | 1 | 0 | ? | ? | ? | ? | ? | |
| 12 | ? | ? | ? | ? | 3 | 0 | 13 | ? | ? | ? | ? | ? | |
| 13 | ? | ? | ? | ? | 7 | 2 | 2 | ? | ? | ? | ? | ? | |
| 14 | ? | ? | ? | ? | 0 | 31 | 0 | ? | ? | ? | ? | ? | |
| 15 | ? | ? | ? | ? | 0 | 6 | 0 | ? | ? | ? | ? | ? | |
| 16 | ? | ? | ? | ? | 33 | 0 | 4 | ? | ? | ? | ? | ? | |
| 17 | ? | ? | ? | ? | 6 | 15 | 5 | ? | ? | ? | ? | ? | |
| 18 | ? | ? | ? | ? | 23 | 0 | 0 | ? | ? | ? | ? | ? | |
| 19 | ? | ? | ? | ? | 0 | 11 | 0 | ? | ? | ? | ? | ? | |
| 20 | ? | ? | ? | ? | 0 | 25 | 6 | ? | ? | ? | ? | ? | |
| 21 | ? | ? | ? | ? | 18 | 0 | 4 | ? | ? | ? | ? | ? | |
| 22 | ? | ? | ? | ? | 0 | 0 | 11 | ? | ? | ? | ? | ? | |
| 23 | ? | ? | ? | ? | 0 | 42 | 0 | ? | ? | ? | ? | ? | |
| 24 | ? | ? | ? | ? | 0 | 9 | 8 | ? | ? | ? | ? | ? | |
| 25 | ? | ? | ? | ? | 0 | 40 | 4 | ? | ? | ? | ? | ? | |
| 26 | ? | ? | ? | ? | 5 | 31 | 1 | ? | ? | ? | ? | ? | |
| 27 | ? | ? | ? | ? | 8 | 0 | 11 | ? | ? | ? | ? | ? | |
| 28 | ? | ? | ? | ? | 51 | 0 | 4 | ? | ? | ? | ? | ? | |
| 29 | ? | ? | ? | ? | 10 | 2 | 40 | ? | ? | ? | ? | ? | |
| 30 | ? | ? | ? | ? | 14 | 25 | 14 | ? | ? | ? | ? | ? | |
| 31 | ? | ? | ? | ? | 0 | 0 | ? | ? | ? | ? | ? | ? | |
| MIN | ? | ? | ? | 0 | 0 | 0 | 0 | ? | ? | ? | ? | ? | 0 |
| TOT | ? | ? | ? | 90 | 364 | 244 | 141 | ? | ? | ? | ? | ? | 839 |
| MAX | ? | ? | ? | 51 | 90 | 40 | 34 | ? | ? | ? | ? | ? | 90 |
| NO>0 | 0 | 0 | 0 | 6 | 23 | 21 | 19 | 0 | 0 | 0 | 0 | 0 | 69 |

End of process

**** MICRO-TIDEDA **** VER 2.8 WATER RESOURCES DEPT - SOLOMON ISLANDS
 **** PDAY **** VER 1.4 25-07-83

DAILY TOTALS YEAR=1985 SITE=5018150 ITEM= 1 RATING NOT APPLIED
 Table=File/1000 READ TABLE:

KAKAKE R/FALL IN MM [20.8.86]

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JLY | AUG | SEP | OCT | NOV | DEC | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1 | ? | ? | ? | ? | 91 | 26 | 154 | ? | ? | ? | ? | 4 | |
| 2 | ? | ? | ? | ? | 1 | 12 | 0 | ? | ? | ? | ? | 0 | |
| 3 | ? | ? | ? | ? | 0 | 0 | 0 | ? | ? | ? | 0 | 0 | |
| 4 | ? | ? | ? | ? | 0 | 13 | 0 | ? | ? | ? | 84 | 35 | |
| 5 | ? | ? | ? | ? | 4 | 0 | 0 | ? | ? | ? | 21 | 0 | |
| 6 | ? | ? | ? | ? | 16 | 0 | 13 | ? | ? | ? | 1 | 1 | |
| 7 | ? | ? | ? | ? | 37 | 19 | 0 | ? | ? | ? | 0 | 0 | |
| 8 | ? | ? | ? | ? | 0 | 0 | 1 | ? | ? | ? | 3 | 1 | |
| 9 | ? | ? | ? | ? | 0 | 16 | 0 | ? | ? | ? | 5 | 7 | |
| 10 | ? | ? | ? | ? | 0 | 0 | 27 | ? | ? | ? | 4 | 4 | |
| 11 | ? | ? | ? | ? | 0 | 1 | 0 | ? | ? | ? | 0 | 21 | |
| 12 | ? | ? | ? | ? | 39 | 3 | 2 | ? | ? | ? | 59 | 1 | |
| 13 | ? | ? | ? | ? | 28 | 11 | 0 | ? | ? | ? | 30 | 10 | |
| 14 | ? | ? | ? | ? | 0 | 23 | 0 | ? | ? | ? | 25 | 9 | |
| 15 | ? | ? | ? | ? | 23 | 6 | 0 | ? | ? | ? | 3 | 5 | |
| 16 | ? | ? | ? | ? | 83 | 14 | 6 | ? | ? | ? | 10 | 3 | |
| 17 | ? | ? | ? | ? | 6 | 0 | 2 | ? | ? | ? | 0 | 11 | |
| 18 | ? | ? | ? | ? | 67 | 0 | 4 | ? | ? | ? | 4 | 2 | |
| 19 | ? | ? | ? | ? | 3 | 1 | 0 | ? | ? | ? | 0 | 0 | |
| 20 | ? | ? | ? | 0 | 12 | 15 | 20 | ? | ? | ? | 0 | 43 | |
| 21 | ? | ? | ? | 0 | 46 | 0 | 77 | ? | ? | ? | 2 | 21 | |
| 22 | ? | ? | ? | 0 | 13 | 0 | 9 | ? | ? | ? | 0 | ? | |
| 23 | ? | ? | ? | 0 | 26 | 0 | 3 | ? | ? | ? | 0 | ? | |
| 24 | ? | ? | ? | 0 | 19 | 12 | 4 | ? | ? | ? | 7 | ? | |
| 25 | ? | ? | ? | 0 | 27 | 3 | ? | ? | ? | ? | 47 | ? | |
| 26 | ? | ? | ? | 3 | 93 | 25 | ? | ? | ? | ? | 3 | ? | |
| 27 | ? | ? | ? | 0 | 1 | 5 | ? | ? | ? | ? | 0 | ? | |
| 28 | ? | ? | ? | 13 | 7 | 8 | ? | ? | ? | ? | 0 | ? | |
| 29 | ? | ? | ? | 3 | 32 | 19 | ? | ? | ? | ? | 0 | ? | |
| 30 | ? | ? | ? | 2 | 18 | 38 | ? | ? | ? | ? | 2 | ? | |
| 31 | ? | ? | ? | | 2 | | ? | ? | | ? | | ? | |
| MIN | ? | ? | ? | 0 | 0 | 0 | 0 | ? | ? | ? | 0 | 0 | 0 |
| TOT | ? | ? | ? | 23 | 702 | 277 | 327 | ? | ? | ? | 317 | 182 | 1829 |
| MAX | ? | ? | ? | 13 | 93 | 38 | 154 | ? | ? | ? | 84 | 43 | 154 |
| NO>0 | 0 | 0 | 0 | 5 | 26 | 23 | 18 | 0 | 0 | 0 | 21 | 17 | 110 |

End of process



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