VOLUME II

PAPER II

GAP FILLING OF RAINFALL DATA

FINAL REPORT

MARCH 2004

WUP-JICA TEAM

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1. INTRODUCTION

The number of rainfall stations in the four (4) riparian countries has remarkably increased in the last decade except in Thailand. In 1990, rainfall stations were 154, 70, 41 and 21 in number but in 2000 they were 153, 143, 170 and 103 in Thailand, Lao PDR, Cambodia and Vietnam, respectively. Basin-wide, there were 286 rainfall stations in 1990, while the number reached 569 in 2000. This means that the total number of rainfall stations in the basin have doubled within the decade. At some stations in Lao PDR and Vietnam, rainfall data in the early 1990s were incomplete, i.e., the stations have missing data (data gaps). In Cambodia, most of the stations were newly constructed and rehabilitated by the MRC in 1996-98 under the Improvement of Hydro-Meteorological Network Project, Component 1, so that almost all stations before that period also have incomplete or missing data. In Thailand, however, the availability of rainfall data is good.

Due to the very large number of stations in the basin, only 126 representative rainfall stations have been selected, considering the spatial coverage to provide rainfall data required for the basin modeling work, because it has been difficult to provide rainfall data for all the data-missing stations by filling in data gaps. The spatial distribution of selected stations is presented in Fig. 1.

2. SELECTED REPRESENTATIVE STATIONS AND DATA AVAILABILITY

After discussing them with the consultants engaged in the basin modeling work, Halcrow Group, rainfall data for the period 1991-2000 were considered essential for the basin modeling. To assist in providing the rainfall data requirement of the modeling team (Halcrow Group), the WUP-JICA study team have selected selected some representative rainfall stations in the Lower Mekong Basin, taking account of spatial coverage.

However, of the 52 stations selected in Thailand, one station has missing data for one year in-between the prescribed period. In Lao PDR, out of the 41 stations selected, 16 stations have missing data for 1-4 years during the period 1991-2000 so that only 5 of these 16 stations were chosen for data gap filling considering the spatial coverage. For other stations' missing data, historical rainfall records of nearby stations in Thailand were used in the substitution.

Moreover, in Cambodia, 22 stations were selected. Except for 3 stations, however, all the other 19 stations have missing data for 1-9 years. Only 11 of these stations were available for gap filling, because data gap filling is not possible in stations where historical rainfall records are available for less than 5 years and data available years could not be overlapped by records of nearby stations. The overlapping of data available years at a data-missing station with those of the nearby stations is necessary to see the correlation between the annual rainfalls of that station with those of the nearby stations and thus predict the amount of annual rainfalls in data missing years at that data missing station. However, at a few stations, historical rainfall records were available for some years but those records do not show any correlation at all with the records of nearby stations. In such cases, therefore, data gap filling could not be performed.

In Vietnam, altogether, 11 stations (7 in Mekong Delta and 4 in Central Highlands) were selected to provide rainfall data for the purpose of basin modeling. At 5 stations out of the stations out of the 4 stations had data missing for one year and the data of one station was completely missing. In those stations with completely missing data in Vietnam, 5 in Mekong Delta and 1 in Central Highlands, no historical rainfall records have been available at all in the Hydrological Yearbooks of MRC as well as in the HYMOS database. Therefore, at those 6 selected stations, data gap filling have not been possible.

The list of selected representative rainfall stations in the four riparian countries is given in Tables 1 to 4.

3. ANNUAL RAINFALL DATA GAP FILLING

There have been rare cases where good correlation between daily rainfalls of nearby stations could be obtained. However, in the case of annual rainfall, good correlations between historical annual rainfalls of nearby stations existed. Therefore, linear and multiple regression techniques were employed to generate the annual amount of rainfall at a desired station, using the historical annual rainfall data of nearby stations where data were missing.

The amount of annual rainfalls generated by linear and multiple regression at stations for data missed years were verified or cross checked by Isohyetal maps. At first, linear regression was applied to check the correlation of available historical annual rainfalls of data missing stations with annual rainfalls of the same years at nearby stations. If correlation was found good enough (>0.8) then the simple linear regression method was applied to generate the amount of annual rainfalls at the stations. Multiple regression method was employed for generating the amount of annual rainfalls at the stations only when correlation was found low in the case of one to one linear regression approach. The relations used for generating the amount of annual rainfalls at stations are as follows:

Linear Regression:

$$Y = a + bX \qquad (1)$$

Where,

Y	=	Predicted annual rainfall at a data missing station
X	=	Annual rainfall at a nearby station
a	=	Intercept of the regression line
b	=	Slope of the regression line

Multiple Regression:

$$Y = a + \sum_{i=1}^{n} b_i X_i \qquad (2)$$

Where,

Y	=	Predicted annual rainfall at a data missing station
X_i	=	Annual rainfall amount at i^{th} nearby station
a	=	Intercept of the regression line
b_i	=	Coefficients
i	=	Index for nearby stations
n	=	Numbers of nearby stations considered

As an example, the multiple regression relation developed for determining the annual rainfall amount during the data-missing year at Muong Nam Tha in Lao PDR using the rainfall records of two nearby stations, namely, Phongsaly in Lao PDR and Chiang Khong in Thailand, is presented in Fig. 2.

4. DAILY RAINFALL DATA GAP FILLING

4.1 Deciding Wet or Dry Days

The first work that has to be done in daily rainfall generation is to decide on whether the day is wet or dry. For this, the Markov chain phenomenon and the monthly probabilities of occurrence of consecutive wet and dry days have been applied.

<u>Markov Chain</u>

Gabriel and Neumann (1962) developed the Markov chain model for the occurrence of wet and dry days in daily rainfalls. After that, many others (Haan et al 1976; Chin 1977; Mimikou 1983; Bardossy and Plate 1991; Lamsal et al 1993) used the Markov chain for modeling

rainfall processes. According to the Markov chain, the foregoing probability is expressed as follows:

$$P\left[X(t) = x_t \mid X(t-1) = x_{t-1}\right] \qquad (3)$$

The above relation indicates that the outcome of a process at time *t* can be defined by using the outcome of the process at time *t-1*. This is the property of the simple Markov chain.

Probabilities of Occurrence of Consecutive Wet and Dry Days

Using historical daily rainfall records, monthly probabilities of occurrence of consecutive wet days (wet day followed by wet day) and consecutive dry days have been determined. However, definitions of wet and dry days are essential for determining these probabilities. Therefore, the wet and dry days in this study were defined as follows:

Wet day: A day is defined as a wet day when amount of rainfall in that day is greater than 0.5 mm.

Dry day: Similarly, a day is defined as a dry day when amount of rainfall in that day is less than or equal to 0.5 mm.

After defining the wet and dry days, determination of monthly probabilities of occurrence of consecutive wet and dry days had become possible. As an example, monthly probability of occurrence of consecutive wet and dry days at Muong Nam Tha Station in Lao PDR is presented in Table 5. The relations used for determining the consecutive wet and dry days, as reported by the authors Lamsal et al (1993), are as follows:

Probability of consecutive wet days:

$$P_{WW} = \frac{\sum WW}{TWD} \qquad (4)$$

Where,

P_{WW}	=	Monthly probability of occurrence of consecutive wet days
WW	=	Number of observed consecutive wet days
TWD	=	Total number of wet days

Probability of consecutive dry days:

$$P_{DD} = \frac{\sum DD}{TDD} \qquad (5)$$

Where,

P_{DD}	=	Monthly probability of occurrence of consecutive dry days
DD	=	Number of observed consecutive dry days
TDD	=	Total number of dry days

Once the monthly probabilities of occurrence of consecutive wet (P_{WW}) and dry (P_{DD}) days are established, based on the probabilities and considering the Markov chain phenomenon (taking consideration of the condition of the $t\text{-}1^{th}$ day either wet or dry) a decision-making condition is developed to decide whether the tth day will be wet or dry. For deciding whether the tth day will be wet or dry, uniform random numbers from 0 to 1 are generated and then checked through the loop of decision-making condition.

4.2 Stochastic Generation of Daily Rainfalls

The daily rainfalls at data-missing stations have been generated by the stochastic approach. For this, monthly probability curve of occurrence of different amounts of rainfalls were developed based on the available historical daily rainfall records of the same station to make the generation approach more reliable and realistic. The authors Lamsal et al (1993 and 1995)

have experienced that the adopted stochastic method for daily rainfalls generation gives more realistic values of rainfalls than other methods like the Log-normal distribution method, because in the Log-normal distribution method there are many chances of generating unrealistic and extreme values which do not reflect the real situation. In the adopted daily rainfalls generation method, however, there are very little chances of generating such unrealistic extreme values due to dividing the probability curve into 3 parts to develop regression lines for fixing the amount of daily rainfalls. The procedures adopted for development of probability curve and stochastic rainfalls generation are described below.

Probability Curve

As mentioned above, probability curves of occurrence of different amount daily rainfalls have been developed for each month individually based on the available historical daily rainfall records of the same station at which data are missing. The probability curves were developed using the natural logarithmic values of daily rainfalls and their respective cumulative probabilities of occurrence. The observed daily rainfalls were arranged in ascending order to determine plotting positions for respective rainfall using Weibull relation. As an example, the probability curve developed for daily rainfalls generation in June at Muong Nam Tha Station in Lao PDR is presented in Fig. 3. The Weibull relation used for plotting position determination of the ith event of historical daily rainfall sorted in ascending order is as follows:

$$P_i = \frac{i}{n+1} \qquad (6)$$

Where,

P_i	=	Plotting position for the ith event of daily rainfalls
i	=	Index for events of daily rainfalls sorted in ascending order
n	=	Total number of events of daily rainfalls considered

Rainfall Generation

The probability curve was divided into 3 parts for developing the best-fitted linear regression lines between the natural log value of daily rainfalls and their respective cumulative probabilities of occurrence. The daily rainfalls with cumulative probability of occurrence ranging between 0 – 0.3, > 0.3 – 0.9 and > 0.9 were grouped into I, II and III for developing the best-fitted regression lines for stochastic generation of the daily rainfalls (Fig. 3). These ranges for grouping were determined by looking at the trend in the historical daily rainfalls. For example, the values of constant (*a*), coefficient (*b*) and correlation (*r*) determined by the analysis of historical records of daily rainfalls at Muong Nam Tha in Lao PDR are as given in Table 6. After developing the regression relations, uniform random numbers ranging from 0 to 1 were generated for deciding the plotting positions and generating daily rainfalls. The relations used for the stochastic generation of the daily rainfalls, as reported by the previous authors (Ishihara and Ikebuchi 1972; Lamsal et al 1995; Lamsal 1996), are as follows:

$$\log_e P_e(k) = a + b.k \qquad (7)$$

$$Y = e^{a+b.\lambda} \qquad (8)$$

Where,

P_e	=	Event of daily rainfall (mm/d)
a	=	Intercept of the regression line
b	=	Slope of the regression line
k	=	Cumulative probability in respect to an event of daily rainfall arranged in ascending order
Y	=	Generated daily rainfall (mm/d)
λ	=	Uniform random number between 0 to 1

5. MODEL VERIFICATION

The daily rainfalls generated by the stochastic model have been verified by the observed historical data. For the verification of the model, mean monthly amount and standard deviations of daily rainfalls were compared between those of generated and observed. Student t-tests were performed to check whether the differences between mean monthly rainfalls and standard deviations of observed and generated rainfalls are significantly different or not. Tests have shown that there are no significant differences between the observed and generated mean monthly rainfalls and standard deviations at 95% confidence level. Moreover, correlations between the observed and generated values are also extremely high. It indicates that the developed stochastic daily rainfalls generation model is quite reliable and can generate realistic rainfalls effectively all over the year for the basin. The result of model verification test at Muong Nam Tha station in Lao PDR, for instance, is presented in Table 7.

6. SELECTION AND PATTERN VERIFICATION OF GENERATED RAINFALLS

For the selection of the stochastically generated set of daily rainfalls, at first the annual amounts of rainfalls were calculated for all 20 generated daily rainfall sets. The annual amounts of all 20 generated sets were checked with the annual amount determined by the regression using nearby stations data for a data-missing year at a station. If the annual amount of any generated rainfall set was very close or falls in the range between minus 5% and plus 5% of annual amount determined by the regression method, then the generated set of rainfall was selected. Once the set of generated daily rainfalls was selected for data gap filling for a year, it was further checked and verified for its rainfall pattern. For this purpose, dimensionless patterns have been developed with accumulation of the historical daily rainfalls in different years for making a loop to check the daily rainfall pattern of generated rains. After the loop was developed from the historical data, the pattern of daily rainfalls of the selected set of the generated rain was checked. If the daily rainfall pattern of the chosen set of the generated rain fell inside the loop, then the rainfall pattern of the selected set was also considered acceptable. If the pattern was found not acceptable, then another set of generated rain was chosen and checked for the pattern. This process was repeated until the closer set of generated rain satisfied the pattern verification criteria. When the daily rainfall pattern was also found acceptable, then the selected set of generated rain was chosen for data gap fillings. As an example, the processes of selection of set of generated rain and rainfall pattern verification are presented in Table 8 and Fig. 4, respectively, which are related to Muong Nam Tha Station in Lao PDR.

7. SELECTED STATIONS FOR DATA GAP FILLINGS

7.1 Thailand

Bung Kan

The rainfall records of past 11 years were used to develop the daily rainfall generation model. The reliability of the developed stochastic daily rainfalls generation model was verified by comparing the mean monthly rainfalls and standard deviations of rainfalls in observed and generated data at this station. The result shows that the developed model is quite reliable

because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 776 and 770 mm; standard deviations are 33.3 and 32.8 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 9). In this station, rainfall data in 1993 are missing, therefore, multiple regression was applied at first to determine the amount of annual rainfall at this station in the missing year using the rainfall records of two nearby stations, namely, Ban Thouei and Muong Borikhane in Lao PDR (Fig. 6). After determining the annual amount of rainfall, selection of set of generated rainfalls was performed (Table 10) and then rainfall pattern in the set was checked and verified (Fig. 7). The multiple regressions have determined the annual rainfall of 3056 mm for the missing year whereas the stochastic daily rainfall generation model has generated the closest annual rainfall of 3086 mm with acceptable rainfall pattern. The generated annual amount of rainfall in the closest set is in the range prescribed as acceptable.

7.2 Lao PDR

Muong Nam Tha

Similar to the previous station, the reliability of the developed stochastic daily rainfalls generation model was verified by comparing the mean monthly rainfalls and standard deviations of rainfalls in observed and generated data at this station. The result shows that the developed model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 308 and 292 mm; standard deviations are 15.8 and 13.8 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 7). The past 8 years' rainfall records were used to develop the rainfall generation model. Since rainfall data in 1991 and 1993 are missing at this station, multiple regression was applied to determine the amount of annual rainfalls at the station in the missing years using the rainfall records of two nearby stations, namely, Phongsaly in Lao PDR and Chiang Khong in Thailand (Fig. 2). After determining the annual amount of rainfalls for the missing years, selection of sets of generated rainfalls was performed (Table 8) and then rainfall patterns in the sets were checked and verified (Fig. 4 and 5). The multiple regressions have determined the annual rainfalls of 1076 and 1219 mm for the missing years 1991 and 1993, respectively. The stochastic daily rainfall generation model has generated the closest rainfalls sets with annual amount of 1118 and 1232 mm with acceptable daily rainfalls pattern. The generated annual amounts of rainfalls in the closest sets are in the range prescribed as acceptable.

Muong Ngoy

In this station rainfall data during 1991-96 are missing. The available rainfall data of 1997-2000 are also not reliable because annual rainfall amount in the data available years are quite lower than the nearby stations. It is also not justified by the Isohyetal maps of these years. The maps show quite higher values than the available recorded data in those years. Therefore, this station was omitted from data gap fillings. Realistic values of daily rainfalls cannot be generated or predicted based on those unreliable historical rainfall records.

Xieng Khouang

The historical rainfalls records of 13 years were used to develop the rainfalls generation model. The result shows that the developed daily rainfalls generation model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 290 and 291 mm; standard deviations are 15.3 and 14.6 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit

(Table 11). Rainfall data in 1993 is missing at this station, therefore, multiple regression was applied to determine the amount of annual rainfall at the station in the missing year using the rainfall records of four nearby stations, namely, Muong Mai, Vang Vieng, Luang Prabang and Ban Naluang in Lao PDR (Fig. 8). After determining the annual amount of rainfalls for the missing year, selection of sets of generated rainfalls was performed (Table 12) and then rainfall patterns in the sets were checked and verified (Fig. 9). The multiple regressions has determined the annual rainfall of 1309 mm for the missing year. The stochastic daily rainfall generation model has generated the closest rainfall set with annual amount of 1305 mm with acceptable daily rainfalls pattern.

Ban Lao Ngam

At this station also the result shows that the developed stochastic daily rainfalls generation model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 345 and 313 mm; standard deviations are 22.3 and 19.6 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 13). The past 8 years' rainfalls records were used to develop the rainfalls generation model. Rainfall data in 1994 is missing at this station; having better correlation coefficient in linear regression than in multiple regressions, the linear regression was applied to determine the amount of annual rainfall at the station in the missing year using the rainfall records of nearby station, i.e., Saravanne in Lao PDR (Fig. 10). After determining the annual amount of rainfalls for the missing year, selection of sets of generated rainfalls was performed (Table 14) and then rainfall patterns in the sets were checked and verified (Fig. 11). The linear regression has determined the annual rainfall of 1854 mm for the missing year. The stochastic daily rainfall generation model has generated the closest rainfall set with annual amount of 1855 mm with acceptable daily rainfalls pattern.

Nape

The past rainfall records of 7 years were used for developing the rainfalls generation model. The developed model for daily rainfalls generation is found quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 362 and 367 mm; standard deviations are 20.1 and 21.7 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 15). Rainfall data in 1995 is missing at this station. Having good enough correlation coefficient (0.938), linear regression was applied to determine the amount of annual rainfall at the station in the missing year using the rainfall records of nearby station, i.e., Ban Phaeng in Thailand (Fig. 12). After determining the annual amount of rainfalls for the missing year, selection of sets of generated rainfalls was performed (Table 16) and then rainfall patterns in the sets were checked and verified (Fig. 13). The linear regression has determined the annual rainfall of 1575 mm for the missing year. The stochastic daily rainfall generation model has generated the closest rainfall set with annual amount of 1583 mm with acceptable daily rainfalls pattern.

7.3 Cambodia

Sisophon

The historical rainfalls records of 8 years were used to develop the rainfall generation model. The observed and generated mean monthly rainfalls and standard deviations are very close to each other and differences are not significant at 95% confidence limit. For instance, in July mean monthly rainfalls are 116 and 128 mm; and standard deviations are 8.3 and 9.2 in observed and generated rainfalls, respectively (Table 17). At this station, rainfalls data in 1991, 1994, 1995, 1997, 1998, 1999 and 2000 years are missing. Linear regression approach has been applied to determine the amount of annual rainfall in the missing years using the

historical rainfall records of other stations. The rainfall records of Pursat station has been used for the purpose due to having better correlation with data of these stations (Fig. 14). After determining the amount of annual rainfalls for the missing years by employing linear regression, selection of sets of generated rainfalls (the generated rainfall sets having amount of annual rainfalls closer to the annual rainfalls amounts determined by the linear regression were selected for data gap filling) were done (Table 18) and daily rainfalls distribution pattern in the selected generated sets were also checked and verified (Fig. 15).

However, to fill up the data gap in 1997, Set-11 of generated rains was selected although the amount of annual rainfall in the set does not fall within the acceptable range of –5% to +5% of annual rainfall amount determined by the linear regression (LR). This is because the amount of annual rainfall in the selected set is the nearest to the amount determined by the LR for the data missing year than in other sets of generated rains. It will not always be possible to get the set of generated generated a large numbers of rainfalls sets is generated. The amounts of annual rainfalls determined by the linear regression in the above-cited missing years in order are 1056, 1134, 1541, 1136, 1071, 1370 and 1324 mm; and closer amounts in the generated sets are 1017, 1124, 1524, 1207, 1084, 1359 and 1315 mm.

Battambang

The past rainfall records of 27 years were used for developing the rainfall generation model. The observed and generated mean monthly rainfalls and standard deviations are presented in Table 19. The result shows that the differences in mean monthly rainfalls and standard deviations are insignificant at 95% confidence limit. As for example, in July, mean monthly rainfalls are 166 and 152 mm; and standard deviations are 9.9 and 8.5 in observed and generated rainfalls, respectively. The rainfalls data at this station are missing in 1992, 1996, 1997, 1998, 1999 and 2000 years. The historical annual rainfalls of this station have good correlation with the respective data of Maung Russey than other stations. The linear regression was applied to determine the annual rainfalls amount in missing years (Fig. 16). The procedures of selection of sets of generated daily rainfalls and daily rainfall distribution pattern verification are presented in Table 20 and Fig. 17, respectively. The amount of annual rainfalls determined by regression in the cited data missing years in order are 1486, 1566, 1247, 1369, 1411 and 1445 mm; and closer amounts in the generated sets are 1478, 1504, 1251, 1340, 1410 and 1455 mm.

Maung Russey

The developed stochastic daily rainfalls generation model was verified by comparing the mean monthly rainfalls and standard deviations of rainfalls in observed and generated data. The result indicated that the developed model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are quite close to each other (for example, in July, mean monthly rainfalls are 149 and 157 mm; standard deviations are 12.9 and 13.6 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 21). The past 10 years' rainfalls records were used to develop the rainfalls generation model. In this station, rainfalls data in 1991 and 1992 are missing. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years. The annual rainfalls of Khon Buri Station in Thailand were found correlated with annual rainfalls at this station (Fig. 18). After determining the annual amount of rainfall, selection of sets of generated rainfalls were performed (Table 22) and then rainfall pattern in the sets were checked and verified (Fig. 19).

Moreover, to fill up the data gap in 1991, Set-14 of generated rains was selected although the amount of annual rainfall in the set does not fall within the acceptable range of –5% to +5% of annual rainfall amount determined by the linear regression (LR). This was because the amount of annual rainfall in the selected set was the nearest to the amount determined by the LR for the data missing year than in other sets of generated rains. The regression has determined the annual rainfalls of 1859 and 1563 mm in the missing years whereas the

stochastic daily rainfalls generation model has generated the closest annual rainfalls of 1741 and 1606 mm with acceptable rainfall patterns.

Kompong Kdei

The rainfalls records of the past 7 years were used for developing the rainfalls generation model. The result shows the developed model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July, mean monthly rainfalls are 202 and 240 mm; standard deviations are 13.4 and 15.5 in observed and generated rainfalls, respectively) as wells as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 23). Rainfalls data in 1991, 1992, 1993, 1994, 1995 and 2000 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of the nearby station, namely, Pursat (Fig. 20). After determining the annual amounts of rainfalls in the data-missing years, the selection of sets of generated rainfalls was performed (Table 24) and then rainfall patterns in the sets were checked and verified (Fig. 21).

However, to fill up the data gaps in 1991, 1992 and 1994, Sets 9, 2 and 8 of generated rains were selected, respectively, although the amounts of annual rainfalls in those sets do not fall within the acceptable ranges of –5% to +5% of annual rainfalls amounts determined by the linear regression (LR). This is because the amounts of annual rainfalls in those selected sets are the nearest to the amounts determined by the LR for those data missing years than in other sets of generated rains. The linear regression has determined the annual rainfalls of 1070, 984, 866, 1172, 1708 and 1422 mm in the data missing years. The model has generated the closest rainfall sets with annual amount of 1247, 1114, 905, 1252, 1694 and 1424 mm with acceptable daily rainfalls patterns.

Kompong Chhnang

The historical rainfalls records of 18 years have been used for developing the rainfalls generation model. The result shows the developed stochastic daily rainfalls generation model is quite reliable because values of the observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 248 and 253 mm; standard deviations are 17.3 and 17.6 in observed and generated rainfalls, respectively) as wells as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 25). Rainfall data in 1993 is missing at this station, having better correlation coefficient in linear regression than in multiple regression, the linear regression was applied to determine the amount of annual rainfall at the station in the missing year using the rainfall records of nearby station, i.e., Maung Russey (Fig. 22). After determining the annual amount of rainfalls for the missing year, selection of sets of generated rainfalls was performed (Table 26) and then rainfall patterns in the sets were checked and verified (Fig. 23). The linear regression has determined the annual rainfall of 1579 mm for the missing year. The stochastic daily rainfall generation model has generated the closest rainfall set with annual amount of 1559 mm with acceptable daily rainfalls pattern.

Kompong Tralach

The observed and generated mean monthly rainfalls and standard deviations are very close to each other (for example, in July mean monthly rainfalls are 146 and 149 mm; standard deviations are 9.5 and 10.2 in observed and generated rainfalls, respectively) as wells as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 27). The rainfalls records of past 9 years were used to develop the rainfalls generation model. Rainfalls data in 1991, 1992, 1993, 1994 and 1995 are missing at this station. Having good correlation coefficient (0.826), linear regression was applied to determine the amount of annual rainfalls in the missing years using the rainfall records of Surin Station in Thailand (Fig. 24). After

determining the annual amounts of rainfalls for the missing years, selection of sets of generated rainfalls were performed (Table 28) and then rainfall patterns in the sets were checked and verified (Fig. 25). The linear regression has determined the annual rainfalls of 1323, 1084, 1126, 1340 and 1232 mm for the data-missing years. The developed model has generated the closest rainfall sets with annual amount of 1335, 1043, 1129, 1359 and 1253 mm with acceptable daily rainfalls patterns.

Pochentong

The historical rainfall records of 14 years have been used for developing the rainfall generation model. The observed and generated mean monthly rainfalls and standard deviations are matched well to each other (for example, in July mean monthly rainfalls are 163 and 144 mm; standard deviations are 11.1 and 9.3 in observed and generated rainfalls, respectively) as wells as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 29). Rainfalls data in 1995, 1996, 1997, 1998 and 1999 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of Siem Reap (Fig. 26). After determining the annual amounts of rainfalls for the data-missing years, selection of sets of generated rainfalls was performed (Table 30) and then rainfall patterns in the sets were checked and verified (Fig. 27). The linear regression has determined the annual rainfalls of 1368, 1255, 1289, 1207 and 1238 mm for the missing years. The developed model has generated the closest rainfall sets with annual amount of 1370, 1309, 1330, 1223 and 1278 mm with acceptable daily rainfalls patterns.

Kompong Speu

As mentioned above, here also the past rainfall records of 14 years were used to develop the rainfall generation model. The observed and generated mean monthly rainfalls and standard deviations matched well with each other (for example, in July, mean monthly rainfalls are 126 and 146 mm; standard deviations are 9.3 and 10.2 in observed and generated rainfalls, respectively) as wells as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are non-significant at 95% confidence limit (Table 31). Rainfalls data in 1997, 1998 and 1999 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of Pursat (Fig. 28). After determining the annual amounts of rainfalls for the missing years, selection of sets of generated rainfalls was performed (Table 32) and then rainfall patterns in the sets were checked and verified (Fig. 29).

However, for the data-missing year 1997, instead of set – 8 of generated rain, in which annual rainfall amount is the nearest to LR determined amount of annual rainfall, Set-19 was selected for data gap filling due to the unacceptable rainfall pattern found in the former set. The linear regression has determined the annual rainfalls of 1255, 1193 and 1476 mm for the data-missing years. The developed model has generated the closest rainfall sets with annual amount of 1278, 1190 and 1439 mm with acceptable daily rainfalls patterns.

Kampot

The 13 years of historical rainfalls records were used to develop the daily rainfalls generation model. The results show that observed and generated mean monthly rainfalls and standard deviations are quite close to each other (for example, in July, mean monthly rainfalls are 233 and 231 mm; standard deviations are 14.5 and 13.9 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 33). Rainfalls data in 1995, 1996, 1997, 1998, 1999 and 2000 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of Kompong Thom (Fig. 30). After determining the annual amounts of rainfalls for the datamissing years, selection of sets of generated

rainfalls was performed (Table 34) and then rainfall patterns in the sets were checked and verified (Fig. 31).

Furthermore, to fill up the data gap in 1997, Set-13 of generated rains was selected although the amount of annual rainfall in the set does not fall within acceptable range of –5% to +5% of annual rainfall amount determined by the linear regression (LR). This is because the amount of annual rainfall in the selected set is the nearest to the amount determined by the LR for the data missing year than in other sets of generated rains. The linear regression has determined the annual rainfalls of 1949, 2062, 1175, 1735, 2029 and 1563 mm for the data-missing years. The developed model has generated the closest rainfall sets with annual amount of 1959, 2041, 1322, 1735, 1982 and 1568 mm with acceptable daily rainfalls patterns.

Kratie

The historical rainfalls records of 23 years were used for developing the daily rainfalls generation model. The result indicates that the developed model is quite perfect because observed and generated mean monthly rainfalls and standard deviations are close to each other (for example, in July, mean monthly rainfalls are 249 and 266 mm; standard deviations are 14.1 and 14.7 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 35). Rainfalls data in 1991 and 1995 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of Muang Khong in Lao PDR (Fig. 32). After determining the annual amounts of rainfalls for the missing years, selection of sets of generated rainfalls was performed (Table 36) and then rainfall patterns in the sets were checked and verified (Fig. 33). The linear regression has determined the annual rainfalls of 1805 and 1745 mm for the data-missing years. The developed model has generated the closest rainfall sets with annual amount of 1810 and 1731 mm with acceptable daily rainfalls patterns.

Stung Treng

Due to the lacking of data, only 6 years past records were used to develop the daily rainfall generation model. The observed and generated mean monthly rainfalls and standard deviations are quite close to each other (for example, in July, mean monthly rainfalls are 260 and 277 mm; standard deviations are 13.1 and 13.7 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 37). Rainfalls data in 1993, 1996, 1997 and 1998 are missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing years using the rainfall records of Surin in Thailand (Fig. 34). After determining the annual amounts of rainfalls for the missing years, selection of sets of generated rainfalls was performed (Table 38) and then rainfall patterns in the sets were checked and verified (Fig. 35).

Further, to fill up the data gap in 1996, Set-2 of generated rains is selected although the amount of annual rainfall in the set does not fall within the acceptable range of –5% to +5% of annual rainfall amount determined by the linear regression (LR). This is because the amount of annual rainfall in the selected set is the nearest to the amount determined by the LR for the data-missing year than in other sets of generated rains. The linear regression has determined the annual rainfalls of 1525, 2440, 1775 and 1620 mm for the data-missing years. The developed model has generated the closest rainfall sets with annual amount of 1505, 2280, 1725 and 1623 mm with acceptable daily rainfalls patterns.

7.4 Vietnam

Kontum

The historical rainfalls records of 17 years were used for developing the daily rainfalls generation model. The result indicates that the developed model is quite perfect because observed and generated mean monthly rainfalls and standard deviations are close to each other (for example, in July, mean monthly rainfalls are 302 and 292 mm; standard deviations are 15.5 and 15.0 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 39). Rainfall data in 1991 is missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the missing year using the rainfall records of Pleiku (Fig. 36). After determining the annual amounts of rainfalls for the data-missing years, selection of sets of generated rainfalls was performed (Table 40) and then rainfall patterns in the sets were checked and verified (Fig. 37). The linear regression has determined the annual rainfall of 1339 mm for the missing year. The developed model has generated the closest rainfall set with annual amount of 1372 mm with acceptable daily rainfalls pattern.

Buon Me Thuat

In this case also the historical rainfalls records of 17 years were used for developing the daily rainfalls generation model. The result indicates that the developed model is quite perfect because observed and generated mean monthly rainfalls and standard deviations are close to each other (for example, in July, mean monthly rainfalls are 249 and 242 mm; standard deviations are 11.9 and 11.6 in observed and generated rainfalls, respectively) as well as the differences in mean monthly rainfalls and standard deviations of daily rainfalls between the observed and generated ones are insignificant at 95% confidence limit (Table 41). Rainfalls data in 1991 is missing at this station. Linear regression was applied to determine the amount of annual rainfalls in the data-missing year using the rainfall records of Pleiku (Fig. 38). After determining the annual amounts of rainfalls for the missing years, selection of sets of generated rainfalls was performed (Table 42) and then rainfall patterns in the sets were checked and verified (Fig. 39). The linear regression has determined the annual rainfall of 1441 mm for the missing year. The developed model has generated the closest rainfall set with annual amount of 1512 mm with acceptable daily rainfalls pattern.

To summarize all the above results, missing data at 18 stations for the period of 55 years in total have been gap-filled. The generated daily rainfall data are stored in the data base system of HYMOS in the MRCS.

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Table 1 Selected Representative Rainfall Stations and Data Availability (Thailand)

	Yearbook Code	Hymos Code	Station Name	Data Evaluation	91	92	93	94	95	96	97	98	99	00
1	438	150403	AMNAT CHAROEN	Complete	H	H	H	Y	H	Y	H	H		
2	539	130204	ARANYAPRATHET	Complete	H	H	Y	Y	H	Y	H	H		
3	346	170406	BAN PHAENG	Complete	H	H	H	Y	Y	Y	H	H		
4	362	170105	CHIANG KHAN	Complete	H	H	H	Y	Y	H	H	H		
5	303	200001	CHIANG KHONG	Complete	H	H	H	Y	H	H	H	H		
6	302	200002	CHIANG SAEN	Complete	H	H	H	H	H	H	H	H		
7	572	140202	CHOK CHAI	Complete	H	H	Y	Y	Y	Y	H	H		
8	405	160207	CHUM PHAE	Complete	H	H	H	Y	Y	Y	H	H		
9	365	170104	DAN SAI	Complete	H	H	H	Y	Y	Y	H	H		
10	317	199901	FANG	Complete	H	H	H	H	H	H	H	H		
11	580	160503	KHEMARAT	Complete	H	H	H	Y	Y	Y	H	H		
12	411	160202	KHON KAEN	Complete	H	H	H	Y	Y	Y	H	H		
13	525	140205	KORAT	Complete	H	H	Y	Y	Y	H	H	H		
14	413	160309	KOSUM PHISAI	Complete	H	H	H	Y	Y	Y	H	H		
15	424	160407	KUCHINARAI	Complete	H	H	H	Y	Y	Y	H	H		
16	363	170101	LOEI	Complete	H	H	H	Y	Y	Y	H	H		
17	428	160401	MUKDAHAN	Complete	H	H	H	Y	Y	Y	H	H		
18	343	170403	NAKHON PHANOM	Complete	H	H	H	H	Y	H	H	H		
19	357	170206	NONG KHAI	Complete	H	H	H	H	H	H	H	H		
20	458	150202	PHON	Complete	H	H	H	Y	Y	Y	H	H		
21	354	180301	PHON PHISAI	Complete	H	H	H	Y	Y	H	H	H		
22	403	160106	PHU KRADUNG	Complete	H	H	H	Y	Y	Y	H	H		
23	443	150407	RASI SALAI	Complete	H	H	H	Y	Y	Y	H	H		
24	347	170401	SAKON NAKHON	Complete	H	H	H	Y	Y	Y	H	H		
25	351	170305	SAWANG DAEN DIN	Complete	H	H	H	Y	Y	Y	H	H		
26	533	140302	SURIN	Complete	H	H	H	Y	Y	Y	H	H		
27	358	170201	THA BO	Complete	H	H	H	Y	Y	Y	H	H		
28	429	160403	THAT PHANOM	Complete	H	H	H	Y	Y	Y	H	H		
29	453	150308	THA TUM	Complete	H	H	H	H	Y	H	H	H		
30	435	150401	UBON	Complete	H	H	H	Y	Y	Y	H	H		
31	356	170202	UDON THANI	Complete	H	H	H	Y	Y	Y	H	H		
32	361	170102	WANG SAPHUNG	Complete	H	H	H	Y	Y	Y	H	H		
33	465		CHAIYAPHUM	Complete	Y	Y	Y	Y	Y	Y	Y	Y		
34	466		CHATTURAT	Complete	Y	Y	Y	Y	Y	Y	Y	Y		
35	528		NANG RONG	Complete	Y	Y	Y	Y	Y	Y	Y	Y		
36	307	190002	CHIANG KHAM	Complete	H	H	H	Y	H	H	H	H		
37	309	199904	PHAYAYO	Complete	H	H	H	Y	H	H	H	H		
38	407	160201	PHU WIANG	Complete	H	H	H	Y	Y	Y	H	H		
39	408	160208	NONG SANG	Complete	H	H	H	Y	Y	H	H	H		
40	412	160204	UBOLRATANA DAM	Complete	H	H	H	Y	Y	Y	H	H		
41	455	150311	SATUK	Complete	H	H	H	Y	Y	Y	H	H		
42	527	150205	LAM PLAI MAT	Complete	H	H	H	Y	Y	Y	H	H		
43	416	160308	KANTHARAWICHAI	Complete	H	H	H	Y	Y	Y	H	H		
44	418	160307	YANG TALAT	Complete	H	H	H	Y	Y	Y	H	H		
45	582	160313	THAWATCHABURI	Complete	H	H	H	Y	Y	Y	H	H		
46	431	150503	KHONG CHIAM	Complete	H	H	H	Y	Y	Y	H	H		
47	433	150501	PHIBUN MANGSAHAN	Complete	H	H	H	Y	Y	Y	H	H		
48	604	199913	MAE SUAI DAM SITE	Complete	H	H	H	H	H	H	H	H		
49	526	140204	KHON BURI	Complete	H	H	H	Y	Y	Y	H	H		
50	522	150104	SIKHIU	Complete	H	H	H	Y	Y	Y	H	H		
51	442	150402	YASOTHON	Complete	H	H	H	Y	Y	Y	H	H		
52	342	180302	BUNG KAN	Gap-Filling	H	H	M	Y	Y	Y	H	H		

H = Data in Hymos Y = Data in Yearbook M = Missing data

Data Evaluation Complete: Complete daily data, Gap-Filling: Complete daily data by partial gap-filling,
Incomplete: Incomplete daily data due to unsuitableness for gap-filling

Table 2 Selected Representative Rainfall Stations and Data Availability (Lao PDR)

	Yearbook Code	Hymos Code	Station Name	Data Evaluation	91	92	93	94	95	96	97	98	99	00
1	250	210201	Phong Saly (I)	Complete	H	H	H	H	H	H	H	H	H	H
2	206	190202	Luang Prabang at Airport(I)	Complete	H	H	H	Y	H	H	H	H	H	H
3	236	180207	Vang Vieng (II)	Complete	H	H	H	H	H	H	H	H	H	H
4	215	170203	Vientiane at DMH(I)	Complete	H	H	H	H	H	H	H	H	H	H
5	232	180205	Ban Hin Heup(II)	Complete	H	H	H	H	H	H	H	H	H	H
6	227	150602	Saravanne (I)	Complete	H	H	H	H	H	H	H	H	H	H
7	225	150504	Pakse (I)	Complete	H	H	H	H	H	H	H	H	H	H
8	230	140501	Muang Khong (II)	Complete	H	H	H	H	H	H	H	H	H	H
9	222	190101	Senkhalok	Complete	H	H	H	H	H	H	H	H	H	H
10	235	180206	Muong Kasy	Complete	H	H	H	H	H	H	H	H	H	H
11	254	180307	Muong Borikhane (Kao)	Complete	H	H	H	H	H	H	H	H	H	H
12	253	180308	Muong Mai	Complete	H	H	H	H	H	H	H	H	H	H
13	220	160505	Keng Kok	Complete	H	H	H	H	H	H	H	H	H	H
14	260	150605	Nong Hine	Complete	H	H	H	H	H	H	H	H	H	H
15	229	140504	Moulapamok	Complete	H	H	H	H	H	H	H	H	H	H
16	259	140507	Champasak	Complete	H	H	H	H	H	H	H	H	H	H
17	261	190301	Ban Naluang	Complete	H	H	H	H	H	H	H	H	H	H
18	268	170502	Muong Mahaxay	Complete	H	H	H	H	H	H	H	H	H	H
19	265	160601	Muong Tchepon	Complete	H	H	H	H	H	H	H	H	H	H
20	209	180306	Ban Thouei (Tha Bok)	Complete	H	H	Y	H	H	H	H	H	H	H
21	219	160504	Dong Hene	Complete	H	H	H	H	Y	H	H	H	H	H
22	273	200204	Oudomxay	Complete	H	Y	H	H	H	H	H	H	H	H
23	272	160602	Muong Nong	Complete	Y	Y	H	H	H	Y	H	H	H	H
24	283	160603	Ban Dong	Complete	H	H	H	H	Y	H	H	H	H	H*
25	266	140705	Attapeu	Complete	H	H	H	H	H	H	H	Y	H	H*
26	285	180501	Nape	Gap-Filling	Y	Y	H	H	M	H	H	H	H	H
27	208	180303	Paksane (I)	Incomplete	H	M	H	H	H	H	H	H	H	H
28	218	170404	Thakhek (I)	Incomplete	H	H	M	H	H	H	H	H	H	H*
29	223	160405	Savannakhet(I)	Incomplete	H	H	M	H	H	H	H	H	H	H
30	224	150506	Khong Sedone (II)	Incomplete	H	H	H	M	H	H	H	H	H	H
31	256	140506	Soukhouma(II)	Incomplete	H	H	M	Y	H	H	H	H	H	H
32	243	190205	Xieng Ngeun	Incomplete	H	H	H	M	H	H	H	H	H	H
33	216	180203	Ban Maknao (Nasone)	Incomplete	H	H	H	H	H	H	H	H	M	H
34	242	150508	Selabam	Incomplete	H	M	H	H	H	H	H	H	H	H
35	264	190302	Xieng Khouang	Gap-Filling	H	H	M	H	H	H	H	H	H	H
36	270	150604	Ban Lao Ngam	Gap-Filling	H	H	Y	M	H	Y	H	H	H	H
37	255	140505	Pathoumphone	Incomplete	M	M	H	H	H	H	H	H	H	H
38	252	200101	Moung Nam Tha	Gap-Filling	M	H	M	H	H	H	H	H	H	H
39	276	160508	Ban Senouane	Incomplete	H	H	H	H	M	M	H	H	H	H*
40	251	200201	Moung Ngoy	Incomplete	M	Y	M	M	M	H	H	H	H	H
41	204	190108	Sayaboury (I)	Incomplete	M	H	H	M	M	H	H	H	H	H

H = Data in Hymos Y = Data in Yearbook M = Missing data * Partial data

Data Evaluation Complete: Complete daily data, Gap-Filling: Complete daily data by partial gap-filling,
Incomplete: Incomplete daily data due to unsuitableness for gap-filling

Table 3 Selected Representative Rainfall Stations and Data Availability (Cambodia)

	Yearbook Code	Hymos Code	Station Name	Data Evaluation	91	92	93	94	95	96	97	98	99	00
1	7	130603	Lomphat	Incomplete	M	M	M	M	M	M	M	M		H*
2	8	140602	Voeun Sai	Incomplete	M	M	M	M	M	M	M	M		H*
3	33	120202	Pailin	Incomplete	M	M	M	M	M	M	M	M		H
4	84	120606	Snuol	Incomplete	M	M	M	M	M	M	H	M		H*
5	10	130501	Stung Treng	Gap-Filling	Y	H	M	H	Y	M	M	M	H	H
6	78	120603	Kratie	Gap-Filling	M	Y	H	H	M	H	H	H	H	H
7	71	120504	Kompong Cham	Incomplete	H	H	H	H	Y	M	M	M		
8	162	110425	Pochentong	Gap-Filling	H	H	H	H	M	M	M	M		
9	26	130305	Battambang	Gap-Filling	H	M	H	H	H	Y	M	M		
10	156	110514	Prey Veng	Incomplete	H	H	H	H	M	M	M	M		
11	137	100401	Kampot	Gap-Filling	H	H	H	H	M	M	M	M		
12	147	100408	Takeo (Ville)	Incomplete	H*	Y	Y	M	M	M	M	M		
13	91	110503	Svay Rieng	Incomplete	M	Y	Y	H	M	M	M	M		
14	29	130202	Sisophon (Kang Var)	Gap-Filling	H*	H	H	H*	M	H	M	M	M	H*
15	15	130405	Kompong Kdei	Gap-Filling	M	H*	M	M	M	H	H	Y	H	
16	64	120404	Kompong Thom	Complete	H	H	Y	H	H	H	H	H	H	H
17	117	110404	Kompong Speu	Gap-Filling	H	H	H	H	Y	H	M	M		H
18	60	120401	Kompong Chhnang	Gap-Filling	H	H	M	H	Y	H	H	H	H	H
19		110405	Kampong Tralach	Gap-Filling	M	M	M	H*	M	H	H	H	H	H
20		120303	Maung Russey	Gap-Filling	M	M	H	H	H	H	H	H	H	H
21		130306	Siem Reap	Complete	H	H	H	H	H	H	H	H	H	
22		120302	Pursat	Complete	H	H	H	H	H	H	H	H	H	H

H = Data in Hymos Y = Data in Yearbook M = Missing data * Partial data
Data Evaluation Complete: Complete daily data, Gap-Filling: Complete daily data by partial gap-filling,
Incomplete: Incomplete daily data due to unsuitableness for gap-filling

Table 4 Selected Representative Rainfall Stations and Data Availability (Vietnam)

	Local Code	Hymos Code	Station Name	Data Evaluation	91	92	93	94	95	96	97	98	99	00
Lower Mekong Delta														
1	90107	100605	My Tho	Incomplete	M	M	M	M	M					
2	101107	100506	Vinh Long	Incomplete	M	M	M	M	M					
3	120107	100509	Can Tho	Complete	H	H	H	H	H	H	H	H	H	
4	130107	90501	Soc Trang (Khanh Hung)	Incomplete	M	M	M	M	M					
5	150206	100505	Chau Doc	Complete	H	H	H	H	H	H	H	H	H	
6	170107	100504	Rach Gia	Incomplete	M	M	M	M	M					
7	150307	100507	Long Xuyen	Incomplete	M	M	M	M	M					
Central Highland Area														
8		140704	Kon Tum (Lasan)	Gap-Filling	M	H	H	H	H	H	H	H	H	
9		140703	Pleiku	Complete	H	H	H	H	H	H	H	H	H	
10		120801	Buon Me Thuat	Gap-Filling	M	H	H	H	H	H	H	H	H	
11			Dakmil	Incomplete	M	M	M	M	M					

H = Data in Hymos Y = Data in Yearbook M = Missing data * Partial data
Data Evaluation Complete: Complete daily data, Gap-Filling: Complete daily data by partial gap-filling,
Incomplete: Incomplete daily data due to unsuitableness for gap-filling

Table 5 Probabilities of Being Consecutive Wet and Dry Days at Moung Nam Tha

	Month	Probability of Occurrence of Consecutive Wet Days	Probability of Occurrence of Consecutive Dry Days
1	January	0.353	0.952
2	February	0.500	0.967
3	March	0.400	0.885
4	April	0.439	0.787
5	May	0.667	0.639
6	June	0.651	0.409
7	July	0.737	0.370
8	August	0.725	0.403
9	September	0.578	0.688
10	October	0.424	0.820
11	November	0.357	0.920
12	December	0.519	0.941

Table 6 Values of Intercept, Slope and Correlation of Regression Lines of Probability Curve for Stochastic Generation of Daily Rainfalls at Moung Nam Tha

	Month	Cumulative Probabilities								
		0.0 - 0.3			0.3 - 0.9			0.9 - 1.0		
		a	b	r	a	b	r	a	b	r
1	January	-0.621	2.291	0.997	-0.277	2.939	0.885	-6.694	10.355	0.972
2	February	-0.171	4.494	0.951	-0.734	5.106	0.970	0.601	3.611	0.998
3	March	-0.558	4.549	0.984	-0.143	3.382	0.993	-3.638	7.383	0.955
4	April	-0.536	4.010	0.988	-0.520	4.280	0.990	-4.854	8.956	0.937
5	May	-0.423	5.960	0.988	0.533	3.088	0.986	-5.109	9.501	0.972
6	June	-0.435	5.704	0.984	0.112	3.532	0.997	-4.666	8.960	0.975
7	July	-0.533	6.944	0.993	0.464	3.343	0.999	-6.433	10.852	0.841
8	August	-0.475	7.252	0.992	0.697	3.006	0.995	-3.178	7.318	0.895
9	September	-0.435	6.811	0.975	0.154	3.808	0.998	-6.716	11.251	0.954
10	October	-0.440	3.742	0.958	-0.384	3.657	0.985	-10.419	14.693	0.915
11	November	-0.615	3.799	0.951	-1.104	5.084	0.993	-0.112	4.007	0.955
12	December	-0.827	5.269	0.873	0.000	3.393	0.974	-5.475	9.801	0.922

Table 7 Comparison between Observed and Generated Rainfalls at Moung Nam Tha

	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	11	14	1.9	2.8
2	February	28	27	5.6	5.8
3	March	39	47	4.4	5.3
4	April	83	89	7.6	7.9
5	May	212	172	12.8	10.9
6	June	227	226	12.7	12.8
7	July	308	292	15.8	13.8
8	August	288	291	12.8	13.0
9	September	184	195	13.1	13.1
10	October	62	61	6.5	6.9
11	November	35	29	5.2	4.6
12	December	33	28	5.1	4.1
	Mean	126	123		
	Correlation	0.993		0.980	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 8 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Moung Nam Tha

	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Multiple Regression (MR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of MR fixed Amount	+5% of MR fixed Amount	
1	Set - 1	1334	1991	1076	1022	1130	Set - 6
2	Set - 2	1609	1993	1219	1158	1280	Set - 4
3	Set - 3	1292					
4	Set - 4	1232					
5	Set - 5	1532					
6	Set - 6	1118					
7	Set - 7	1376					
8	Set - 8	1634					
9	Set - 9	1649					
10	Set - 10	1627					
11	Set - 11	1805					
12	Set - 12	1286					
13	Set - 13	1551					
14	Set - 14	1520					
15	Set - 15	1277					
16	Set - 16	1518					
17	Set - 17	1448					
18	Set - 18	1367					
19	Set - 19	1682					
20	Set - 20	1576					

Table 9 Comparison between Observed and Generated Rainfalls at Bung Kan

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	13	17	2.6	3.4
2	February	14	16	2.4	2.6
3	March	47	60	6.9	9.3
4	April	126	125	10.9	10.7
5	May	363	347	20.0	19.1
6	June	551	523	27.6	26.9
7	July	776	770	33.3	32.8
8	August	593	665	26.2	28.1
9	September	360	383	23.0	23.6
10	October	128	126	15.9	15.6
11	November	16	9	5.3	4.5
12	December	4	6	1.1	1.8
	Mean	249	254		
	Correlation	0.996		0.996	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 10 Selection of Sets of Generated Daily Rainfalls for filling the Data Gaps at Bung Kan

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Multiple Regression (MR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of MR fixed Amount	+5% of MR fixed Amount	
1	Set - 1	2672	1993	3056	2903	3209	Set - 9
2	Set - 2	3419					
3	Set - 3	2657					
4	Set - 4	2638					
5	Set - 5	2708					
6	Set - 6	2570					
7	Set - 7	3291					
8	Set - 8	3321					
9	Set - 9	3086					
10	Set - 10	3583					
11	Set - 11	3526					
12	Set - 12	2080					
13	Set - 13	3207					
14	Set - 14	3408					
15	Set - 15	2557					
16	Set - 16	3391					
17	Set - 17	3096					
18	Set - 18	3127					
19	Set - 19	3609					
20	Set - 20	3003					

Table 11 Comparison between Observed and Generated Rainfalls at Xieng Khouang

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	6	11	1.6	2.7
2	February	17	16	2.7	2.7
3	March	56	75	8.1	10.8
4	April	165	171	12.1	11.6
5	May	177	158	11.9	10.4
6	June	234	214	13.4	13.2
7	July	290	291	15.3	14.6
8	August	286	278	14.2	14.3
9	September	132	144	9.0	9.0
10	October	105	110	12.5	11.8
11	November	16	13	3.1	3.2
12	December	7	3	2.7	0.6
	Mean	124	124		
	Correlation	0.995		0.971	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 12 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Xieng Khouang

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Multiple Regression (MR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of MR fixed Amount	+5% of MR fixed Amount	
1	Set - 1	1305	1993	1309	1244	1374	Set - 1
2	Set - 2	1436					
3	Set - 3	1267					
4	Set - 4	1366					
5	Set - 5	1474					
6	Set - 6	1288					
7	Set - 7	1673					
8	Set - 8	1415					
9	Set - 9	1707					
10	Set - 10	1914					
11	Set - 11	1961					
12	Set - 12	981					
13	Set - 13	1741					
14	Set - 14	1736					
15	Set - 15	1363					
16	Set - 16	1359					
17	Set - 17	1374					
18	Set - 18	1268					
19	Set - 19	1606					
20	Set - 20	1428					

Table 13 Comparison between Observed and Generated Rainfalls at Ban Lao Ngam

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	12	23	3.0	4.1
2	February	14	16	3.0	3.9
3	March	38	49	5.9	7.6
4	April	91	94	7.7	8.1
5	May	225	187	13.4	11.5
6	June	226	207	18.1	14.6
7	July	345	313	22.3	19.6
8	August	463	492	27.1	27.5
9	September	265	234	15.9	15.4
10	October	181	188	12.7	13.3
11	November	33	37	4.7	5.4
12	December	6	5	1.8	1.5
	Mean	158	154		
	Correlation	0.991		0.984	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 14 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Ban Lao Ngam

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1589	1994	1854	1761	1947	Set - 17
2	Set - 2	2184					
3	Set - 3	1569					
4	Set - 4	1519					
5	Set - 5	2198					
6	Set - 6	1587					
7	Set - 7	1401					
8	Set - 8	1495					
9	Set - 9	1861					
10	Set - 10	2259					
11	Set - 11	2613					
12	Set - 12	1463					
13	Set - 13	1674					
14	Set - 14	2304					
15	Set - 15	1950					
16	Set - 16	2100					
17	Set - 17	1855					
18	Set - 18	1638					
19	Set - 19	1861					
20	Set - 20	1803					

Table 15 Comparison between Observed and Generated Rainfalls at Nape

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	8	11	2.7	3.8
2	February	23	25	3.6	4.0
3	March	48	45	5.3	5.8
4	April	93	116	9.7	11.7
5	May	242	184	18.5	13.2
6	June	261	265	14.0	15.2
7	July	362	367	20.1	21.7
8	August	280	301	19.2	20.5
9	September	290	309	32.4	25.7
10	October	86	98	7.8	9.2
11	November	23	24	3.0	3.4
12	December	0	0	0.0	0.0
	Mean	143	146		
	Correlation	0.987		0.963	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 16 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Nape

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1425	1995	1575	1496	1654	Set - 2
2	Set - 2	1583					
3	Set - 3	1899					
4	Set - 4	1606					
5	Set - 5	1543					
6	Set - 6	1463					
7	Set - 7	1855					
8	Set - 8	2243					
9	Set - 9	2052					
10	Set - 10	1910					
11	Set - 11	2017					
12	Set - 12	1135					
13	Set - 13	1320					
14	Set - 14	1894					
15	Set - 15	1390					
16	Set - 16	1587					
17	Set - 17	1381					
18	Set - 18	1860					
19	Set - 19	2728					
20	Set - 20	2036					

Table 17 Comparison between Observed and Generated Rainfalls at Sisophon

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	5	5	1.5	1.8
2	February	14	18	2.9	4.2
3	March	39	61	7.8	11.5
4	April	49	45	6.1	5.8
5	May	124	119	9.1	8.6
6	June	139	137	12.9	12.6
7	July	116	128	8.3	9.2
8	August	170	183	10.6	10.7
9	September	253	228	14.9	14.0
10	October	171	166	13.8	13.8
11	November	27	21	4.0	3.4
12	December	2	5	0.9	1.9
	Mean	92	93		
	Correlation	0.990		0.966	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 18 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Sisophon

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	948	1991	1056	1003	1109	Set-2
2	Set - 2	1017	1994	1134	1077	1191	Set-6
3	Set - 3	1233	1995	1541	1464	1618	Set-19
4	Set - 4	997	1997	1136	1079	1193	Set-11
5	Set - 5	954	1998	1071	1017	1125	Set-18
6	Set - 6	1124	1999	1370	1302	1439	Set-9
7	Set - 7	850	2000	1324	1258	1390	Set-14
8	Set - 8	807					
9	Set - 9	1359					
10	Set - 10	986					
11	Set - 11	1207					
12	Set - 12	846					
13	Set - 13	888					
14	Set - 14	1315					
15	Set - 15	1249					
16	Set - 16	1469					
17	Set - 17	985					
18	Set - 18	1084					
19	Set - 19	1524					
20	Set - 20	1499					

Table 19 Comparison between Observed and Generated Rainfalls at Battambang

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	2	2	0.8	1.0
2	February	18	19	4.1	4.4
3	March	40	49	5.5	6.7
4	April	80	81	10.2	10.2
5	May	138	125	10.9	8.6
6	June	125	116	9.4	8.7
7	July	166	152	9.9	8.5
8	August	194	201	11.6	11.8
9	September	241	232	13.9	14.0
10	October	229	219	16.4	14.7
11	November	100	92	10.3	8.7
12	December	9	9	1.8	1.6
	Mean	112	108		
	Correlation	0.996		0.978	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 20 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Battambang

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1310	1992	1486	1412	1560	Set-11
2	Set - 2	1284	1996	1566	1488	1644	Set-16
3	Set - 3	1180	1997	1247	1185	1309	Set-5
4	Set - 4	1216	1998	1369	1301	1437	Set-18
5	Set - 5	1251	1999	1411	1340	1482	Set-8
6	Set - 6	1129	2000	1445	1373	1517	Set-19
7	Set - 7	1189					
8	Set - 8	1410					
9	Set - 9	1162					
10	Set - 10	1317					
11	Set - 11	1478					
12	Set - 12	1116					
13	Set - 13	1188					
14	Set - 14	1647					
15	Set - 15	1165					
16	Set - 16	1504					
17	Set - 17	1170					
18	Set - 18	1340					
19	Set - 19	1455					
20	Set - 20	1427					

Table 21 Comparison between Observed and Generated Rainfalls at Maung Russey

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	1	2	0.5	0.7
2	February	10	10	2.4	2.7
3	March	29	34	4.1	5.3
4	April	111	113	11.2	11.5
5	May	152	131	12.0	10.2
6	June	123	109	10.6	10.1
7	July	149	157	12.9	13.6
8	August	134	124	10.5	9.8
9	September	234	238	16.1	14.4
10	October	284	307	20.1	20.0
11	November	101	89	10.8	9.3
12	December	12	14	2.4	2.5
	Mean	112	111		
	Correlation	0.993		0.988	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 22 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Maung Russey

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1473	1991	1859	1766	1952	Set-14
2	Set - 2	857	1992	1563	1485	1641	Set-12
3	Set - 3	1388					
4	Set - 4	1264					
5	Set - 5	1481					
6	Set - 6	1175					
7	Set - 7	1137					
8	Set - 8	1238					
9	Set - 9	1394					
10	Set - 10	1122					
11	Set - 11	1362					
12	Set - 12	1606					
13	Set - 13	1068					
14	Set - 14	1741					
15	Set - 15	1457					
16	Set - 16	1352					
17	Set - 17	1233					
18	Set - 18	1175					
19	Set - 19	1663					
20	Set - 20	1352					

Table 23 Comparison between Observed and Generated Rainfalls at Kompong Kdei

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	5	6	1.7	3.0
2	February	12	16	2.8	3.7
3	March	38	45	7.0	7.8
4	April	105	96	10.8	10.3
5	May	112	103	9.1	8.7
6	June	134	120	12.2	11.7
7	July	202	240	13.4	15.5
8	August	168	192	13.9	16.2
9	September	281	273	18.2	15.3
10	October	224	237	13.1	13.6
11	November	150	143	17.3	18.2
12	December	5	7	1.4	1.5
	Mean	120	123		
	Correlation	0.988		0.970	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 24 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kompong Kdei

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1538	1991	1070	1017	1124	Set-9
2	Set - 2	1114	1992	984	935	1033	Set-2
3	Set - 3	1572	1993	866	823	909	Set-13
4	Set - 4	1380	1994	1172	1113	1231	Set-8
5	Set - 5	1438	1995	1708	1623	1793	Set-16
6	Set - 6	1312	2000	1422	1351	1493	Set-7
7	Set - 7	1424					
8	Set - 8	1252					
9	Set - 9	1247					
10	Set - 10	1554					
11	Set - 11	1310					
12	Set - 12	1269					
13	Set - 13	905					
14	Set - 14	2411					
15	Set - 15	1527					
16	Set - 16	1694					
17	Set - 17	1527					
18	Set - 18	1642					
19	Set - 19	1974					
20	Set - 20	1489					

Note: For 1991, 1992 and 1994, the generated sets of rains (set 9, 2 and 8) which are the nearest to LR determined annual rainfalls are selected due to not being any generated rains within the acceptable

Table 25 Comparison between Observed and Generated Rainfalls at Kompong Chhnang

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	8	10	2.8	3.6
2	February	10	14	4.2	7.8
3	March	14	14	4.8	5.8
4	April	82	70	10.1	8.7
5	May	137	130	11.4	10.6
6	June	176	173	14.5	13.8
7	July	248	253	17.3	17.6
8	August	265	295	18.3	18.6
9	September	272	274	18.5	17.2
10	October	242	261	17.7	18.2
11	November	101	103	10.1	10.1
12	December	6	10	2.2	2.7
	Mean	130	134		
	Correlation	0.996		0.980	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 26 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kompong Chhnang

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1815	1993	1579	1500	1658	Set-6
2	Set - 2	1303					
3	Set - 3	1555					
4	Set - 4	1315					
5	Set - 5	1231					
6	Set - 6	1559					
7	Set - 7	1250					
8	Set - 8	1207					
9	Set - 9	1350					
10	Set - 10	1601					
11	Set - 11	1631					
12	Set - 12	1811					
13	Set - 13	1434					
14	Set - 14	2371					
15	Set - 15	1493					
16	Set - 16	1891					
17	Set - 17	1730					
18	Set - 18	1900					
19	Set - 19	2064					
20	Set - 20	1627					

Table 27 Comparison between Observed and Generated Rainfalls at Kompong Tralach

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	0	2	0.0	0.9
2	February	12	14	3.1	3.7
3	March	9	5	3.5	1.7
4	April	62	49	8.9	7.4
5	May	155	137	12.8	10.9
6	June	155	152	10.6	10.8
7	July	146	149	9.5	10.2
8	August	184	206	10.8	11.5
9	September	247	255	13.6	13.1
10	October	214	218	11.9	12.9
11	November	81	69	8.4	6.4
12	December	9	9	2.0	1.8
	Mean	106	105		
	Correlation	0.994		0.967	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 28 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kompong Tralach

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1172	1991	1323	1257	1389	Set-16
2	Set - 2	1299	1992	1084	1030	1138	Set-7
3	Set - 3	1290	1993	1126	1070	1182	Set-10
4	Set - 4	1359	1994	1340	1273	1407	Set-4
5	Set - 5	998	1995	1232	1170	1294	Set-17
6	Set - 6	1270					
7	Set - 7	1043					
8	Set - 8	940					
9	Set - 9	1374					
10	Set - 10	1129					
11	Set - 11	1367					
12	Set - 12	1271					
13	Set - 13	954					
14	Set - 14	1584					
15	Set - 15	1386					
16	Set - 16	1335					
17	Set - 17	1253					
18	Set - 18	1519					
19	Set - 19	1554					
20	Set - 20	1202					

Table 29 Comparison between Observed and Generated Rainfalls at Pochentong

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	2	3	0.7	1.4
2	February	2	3	1.1	1.7
3	March	23	25	5.0	5.5
4	April	71	70	8.6	8.9
5	May	114	93	10.0	7.4
6	June	116	99	8.9	7.4
7	July	163	144	11.1	9.3
8	August	163	185	10.1	10.7
9	September	285	270	17.0	16.7
10	October	222	241	13.0	14.3
11	November	112	103	10.9	9.8
12	December	5	5	0.9	0.8
	Mean	106	103		
	Correlation	0.988		0.973	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 30 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Pochentong

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	890	1995	1368	1300	1436	Set-10
2	Set - 2	1372	1996	1255	1192	1318	Set-20
3	Set - 3	1063	1997	1289	1225	1353	Set-11
4	Set - 4	1407	1998	1207	1147	1267	Set-18
5	Set - 5	1141	1999	1238	1176	1300	Set-9
6	Set - 6	1061					
7	Set - 7	1332					
8	Set - 8	1382					
9	Set - 9	1278					
10	Set - 10	1370					
11	Set - 11	1330					
12	Set - 12	1147					
13	Set - 13	1018					
14	Set - 14	1511					
15	Set - 15	1016					
16	Set - 16	1403					
17	Set - 17	1181					
18	Set - 18	1223					
19	Set - 19	1392					
20	Set - 20	1309					

Table 31 Comparison between Observed and Generated Rainfalls at Kompong Speu

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	5	7	1.3	1.6
2	February	5	4	2.1	2.8
3	March	17	16	4.1	4.6
4	April	68	65	8.7	8.3
5	May	122	114	10.1	9.4
6	June	118	109	8.9	8.7
7	July	126	146	9.3	10.2
8	August	125	138	9.2	10.1
9	September	218	232	13.4	12.9
10	October	233	237	14.1	14.8
11	November	90	96	9.3	10.0
12	December	18	16	5.2	3.8
	Mean	95	98		
	Correlation	0.995		0.982	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 32 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kompong Speu

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1053	1997	1255	1192	1318	Set-19
2	Set - 2	1147	1998	1193	1133	1253	Set-9
3	Set - 3	1023	1999	1476	1402	1550	Set-18
4	Set - 4	1092					
5	Set - 5	1279					
6	Set - 6	1084					
7	Set - 7	991					
8	Set - 8	1268					
9	Set - 9	1190					
10	Set - 10	1148					
11	Set - 11	1143					
12	Set - 12	1378					
13	Set - 13	885					
14	Set - 14	1739					
15	Set - 15	948					
16	Set - 16	1189					
17	Set - 17	1164					
18	Set - 18	1439					
19	Set - 19	1278					
20	Set - 20	1165					

Note: Daily rainfalls pattern of Set-8 is not found acceptable, therefore, Set-19 is selected for gap filling in 1997.

Table 33 Comparison between Observed and Generated Rainfalls at Kampot

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	12	16	3.3	4.0
2	February	17	22	4.1	4.8
3	March	52	65	6.8	8.9
4	April	113	115	10.3	10.5
5	May	182	167	15.3	13.2
6	June	225	230	16.8	16.9
7	July	233	231	14.5	13.9
8	August	376	367	22.6	22.0
9	September	218	207	16.2	15.6
10	October	222	246	15.6	16.2
11	November	82	67	8.6	6.7
12	December	19	17	3.3	3.2
	Mean	146	146		
	Correlation	0.995		0.984	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 34 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kampot

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1568	1995	1949	1852	2046	Set-18
2	Set - 2	1603	1996	2062	1959	2165	Set-5
3	Set - 3	1523	1997	1175	1116	1234	Set-13
4	Set - 4	1648	1998	1735	1648	1822	Set-16
5	Set - 5	2041	1999	2029	1928	2130	Set-11
6	Set - 6	1767	2000	1563	1485	1641	Set-1
7	Set - 7	1463					
8	Set - 8	1460					
9	Set - 9	1903					
10	Set - 10	1707					
11	Set - 11	1982					
12	Set - 12	1906					
13	Set - 13	1322					
14	Set - 14	2180					
15	Set - 15	1507					
16	Set - 16	1735					
17	Set - 17	1893					
18	Set - 18	1959					
19	Set - 19	1866					
20	Set - 20	1965					

Note: For 1997, the generated set of rain (set-13) which is the nearest to LR determined annual rainfall is selected due to not being any generated set of rains within the acceptable range.

Table 35 Comparison between Observed and Generated Rainfalls at Kratie

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	4	9	1.4	2.3
2	February	8	8	2.8	3.1
3	March	38	66	9.2	16.5
4	April	93	84	11.6	10.2
5	May	201	199	13.4	12.0
6	June	229	200	13.8	12.4
7	July	249	266	14.1	14.7
8	August	300	301	15.9	15.6
9	September	291	264	15.8	15.0
10	October	166	171	11.2	11.6
11	November	51	41	7.0	5.7
12	December	7	7	1.7	1.3
	Mean	136	135		
	Correlation	0.991		0.904	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 36 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kratie

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1321	1991	1805	1715	1895	Set-7
2	Set - 2	1938	1995	1745	1658	1832	Set-10
3	Set - 3	1597					
4	Set - 4	1299					
5	Set - 5	1705					
6	Set - 6	1279					
7	Set - 7	1810					
8	Set - 8	1327					
9	Set - 9	1887					
10	Set - 10	1731					
11	Set - 11	1917					
12	Set - 12	1195					
13	Set - 13	1496					
14	Set - 14	1949					
15	Set - 15	1510					
16	Set - 16	1579					
17	Set - 17	1507					
18	Set - 18	1470					
19	Set - 19	1707					
20	Set - 20	2081					

Table 37 Comparison between Observed and Generated Rainfalls at Stung Treng

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	5	3	2.0	1.6
2	February	10	16	3.4	5.7
3	March	18	22	2.8	3.4
4	April	122	118	15.0	15.3
5	May	236	223	15.0	13.4
6	June	308	274	18.2	17.2
7	July	260	277	13.1	13.7
8	August	476	486	30.6	28.9
9	September	254	251	14.6	15.2
10	October	110	117	9.2	10.1
11	November	4	4	0.9	0.8
12	December	3	3	0.7	0.7
	Mean	150	149		
	Correlation	0.997		0.994	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 38 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Stung Treng

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1632	1993	1525	1449	1601	Set-6
2	Set - 2	2280	1996	2440	2318	2562	Set-2
3	Set - 3	1496	1997	1775	1686	1864	Set-16
4	Set - 4	1469	1998	1620	1539	1701	Set-15
5	Set - 5	1941					
6	Set - 6	1505					
7	Set - 7	1808					
8	Set - 8	1850					
9	Set - 9	1991					
10	Set - 10	1926					
11	Set - 11	2261					
12	Set - 12	1361					
13	Set - 13	1552					
14	Set - 14	2047					
15	Set - 15	1623					
16	Set - 16	1725					
17	Set - 17	1840					
18	Set - 18	1645					
19	Set - 19	1917					
20	Set - 20	1982					

Note: For 1996, the generated set of rain (set-2) which is the nearest to LR determined annual rainfall is selected due to not being any generated set of rain within the acceptable range.

Table 39 Comparison between Observed and Generated Rainfalls at Kontum

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	0	0	0.2	0.0
2	February	11	11	3.3	3.6
3	March	32	40	5.1	6.4
4	April	84	86	7.2	7.2
5	May	240	215	14.9	13.0
6	June	274	249	15.5	14.9
7	July	302	292	15.5	15.0
8	August	341	369	15.9	16.8
9	September	280	252	16.1	14.5
10	October	196	200	14.8	15.1
11	November	72	71	10.8	11.3
12	December	12	17	3.5	3.8
	Mean	154	150		
	Correlation	0.992		0.989	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 40 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Kontum

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1737	1991	1339	1272	1406	Set-6
2	Set - 2	1732					
3	Set - 3	1186					
4	Set - 4	1491					
5	Set - 5	1846					
6	Set - 6	1372					
7	Set - 7	1912					
8	Set - 8	1693					
9	Set - 9	1852					
10	Set - 10	2308					
11	Set - 11	2239					
12	Set - 12	1251					
13	Set - 13	1575					
14	Set - 14	2079					
15	Set - 15	1806					
16	Set - 16	2220					
17	Set - 17	1845					
18	Set - 18	1917					
19	Set - 19	1992					
20	Set - 20	1990					

Table 41 Comparison between Observed and Generated Rainfalls at Buon Me Thuat

S. N.	Month	Mean Monthly Rainfall		Standard Deviation of Rainfall	
		Observed	Generated	Observed	Generated
1	January	2	2	0.7	0.7
2	February	5	5	2.1	2.2
3	March	20	27	4.1	5.6
4	April	102	108	11.0	11.7
5	May	250	205	13.7	12.4
6	June	268	247	14.7	13.7
7	July	249	242	11.9	11.6
8	August	300	317	12.3	13.1
9	September	286	265	14.9	13.9
10	October	254	315	20.5	23.1
11	November	79	61	9.2	7.4
12	December	20	18	4.7	4.0
	Mean	153	151		
	Correlation	0.979		0.980	
	t-tests	Differences in both mean monthly rainfalls and standard deviations are non-significant at 95% confidence level			

Table 42 Selection of Sets of Generated Daily Rainfalls for Filling the Data Gaps at Buon Me Thua

S. N.	Sets of Generated Rainfalls	Annual Amount of Generated Rainfalls	Annual Rainfall fixed by Linear Regression (LR)		Acceptable Range for Amount of Annual Rainfalls		Selection of Set of Generated Daily Rainfalls
			Data Missing Years	Annual Amount	-5% of LR fixed Amount	+5% of LR fixed Amount	
1	Set - 1	1679	1991	1441	1369	1513	Set-15
2	Set - 2	2124					
3	Set - 3	1369					
4	Set - 4	1689					
5	Set - 5	1749					
6	Set - 6	1581					
7	Set - 7	1824					
8	Set - 8	1920					
9	Set - 9	1844					
10	Set - 10	2402					
11	Set - 11	2030					
12	Set - 12	1204					
13	Set - 13	1803					
14	Set - 14	2021					
15	Set - 15	1512					
16	Set - 16	2028					
17	Set - 17	1747					
18	Set - 18	1912					
19	Set - 19	1881					
20	Set - 20	1924					

Fig. 1 Selected Rainfall Staions (1/4: Thailand)

Fig. 1 Selected Rainfall Staions (2/4: Lao PDR)

Fig. 1 Selected Rainfall Staions (3/4: Cambodia)

Fig. 1 Selected Rainfall Staions (4/4: Vietnam)

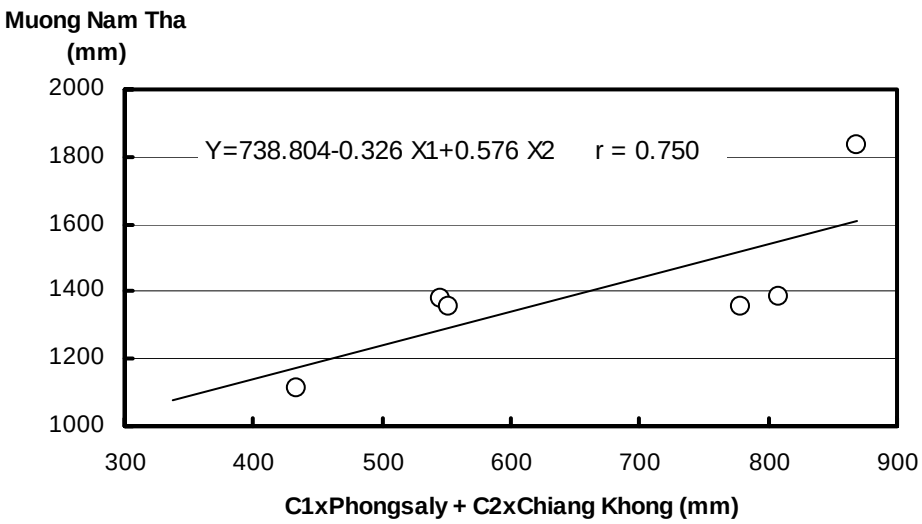

Fig. 2 Correlation between Annual Rainfalls of Moung Nam Tha and nearby stations

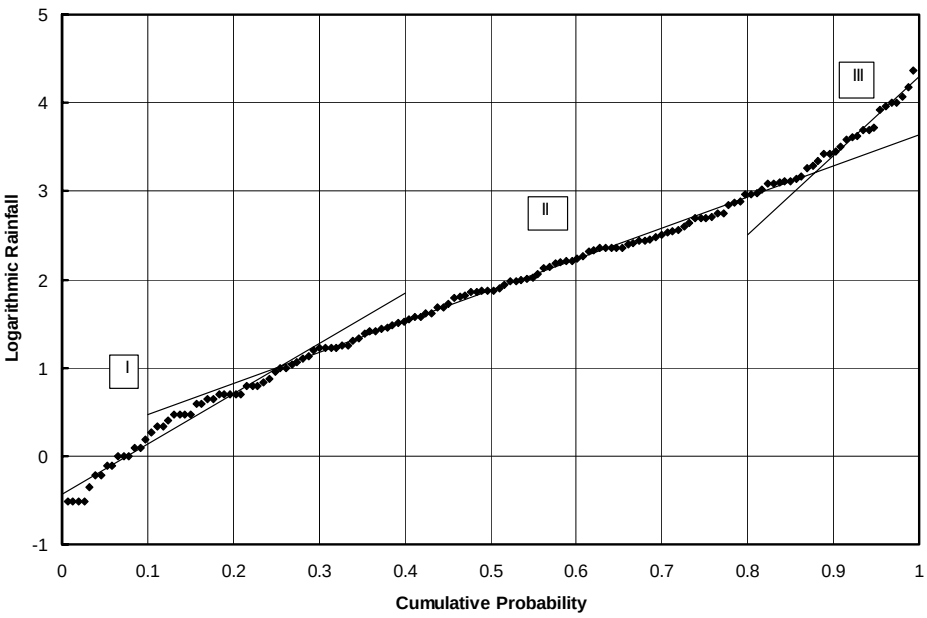

Fig. 3 Probability Curve and Regression Lines for Stochastic Rainfall Generation at Moung Nam Tha (June)

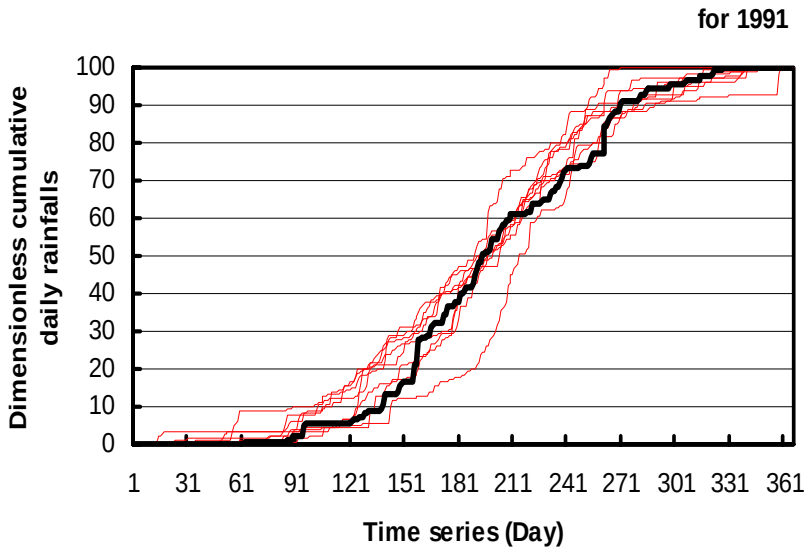

Fig. 4 Pattern Verification of Generated Daily Rainfalls for 1991 at Moung Nam Tha (Light line-Observed, Bold line-Generated)

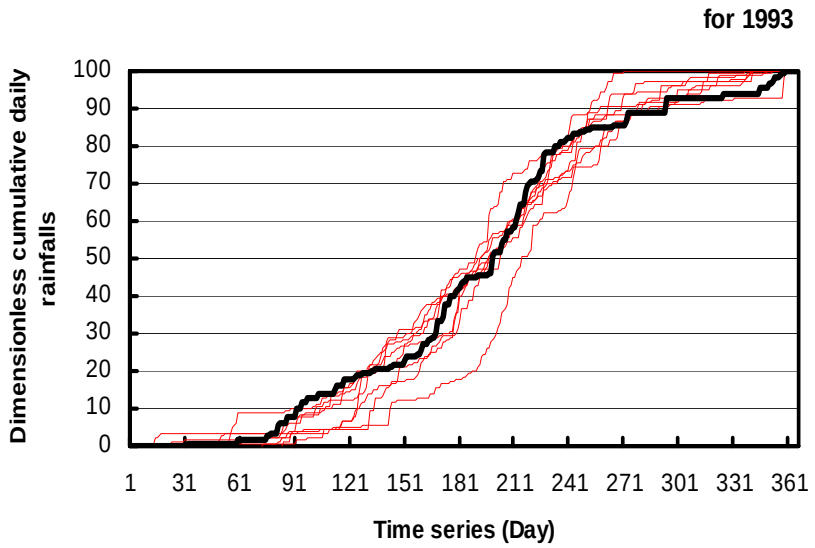

Fig. 5 Pattern Verification of Generated Daily Rainfalls for 1993 at Moung Nam Tha (Light line-Observed, Bold line-Generated)

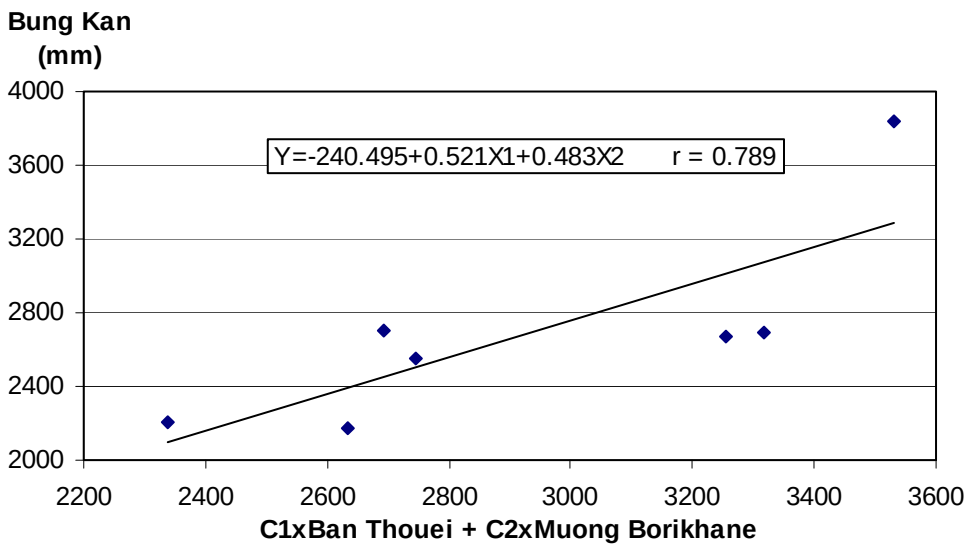

Fig. 6 Correlation between Annual Rainfalls of Bung Kan and nearby stations

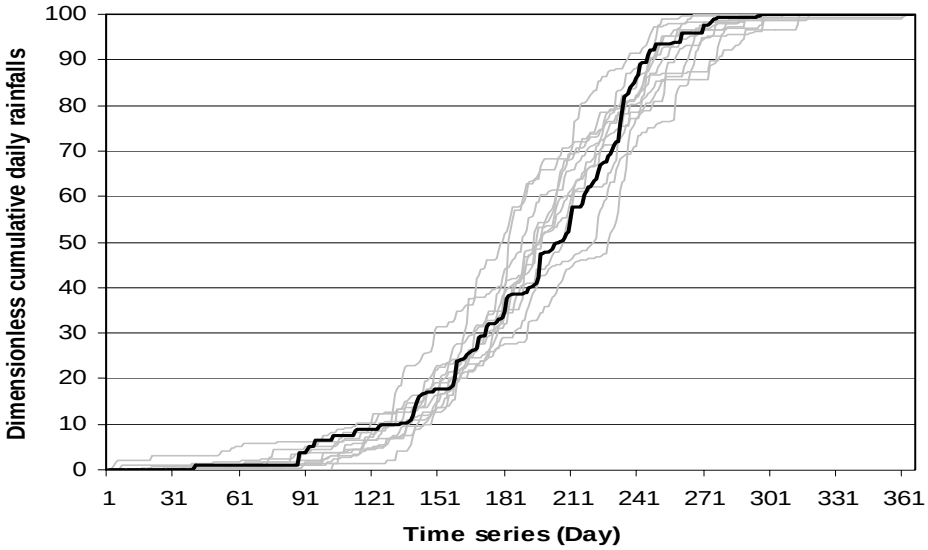

Fig. 7 Pattern Verification of Generated Daily Rainfalls for 1993 at Bung Kan (Light line-Observed, Bold line-Generated)

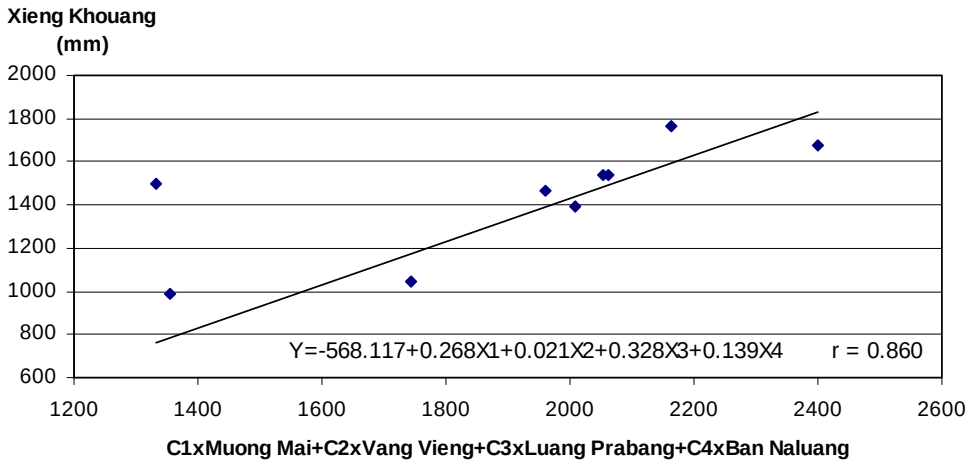

Fig. 8 Correlation between Annual Rainfalls of Xieng Khouang and nearby stations

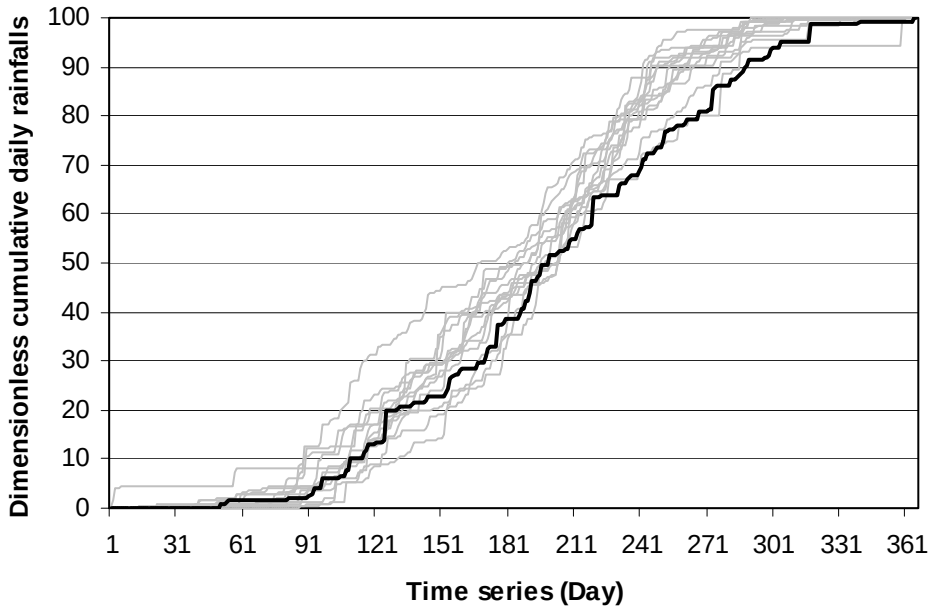

Fig. 9 Pattern Verification of Generated Daily Rainfalls for 1993 at Xieng Khouang (Light line-Observed, Bold line-Generated)

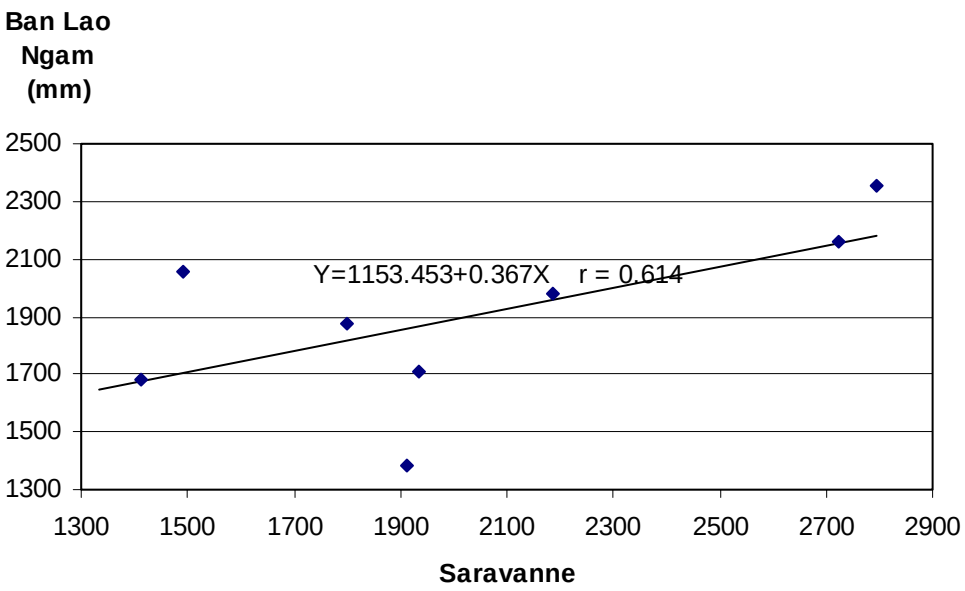

Fig. 10 Correlation between Annual Rainfalls of Ban Lao Ngam and Saravanne

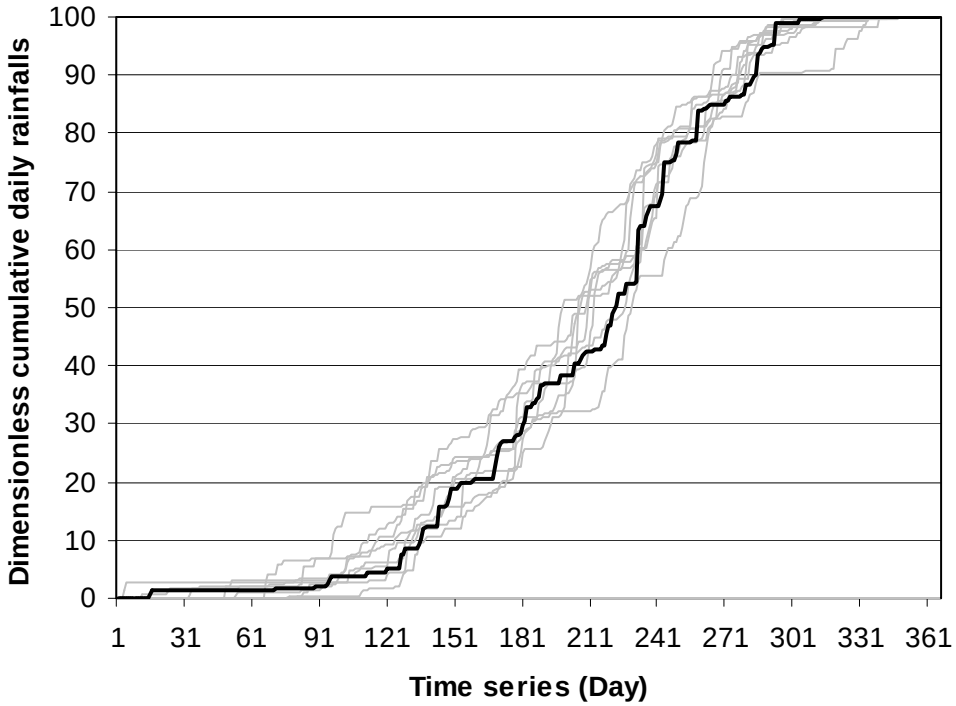

Fig. 11 Pattern Verification of Generated Daily Rainfalls for 1994 at Ban Lao Ngam (Light line-Observed, Bold line-Generated)

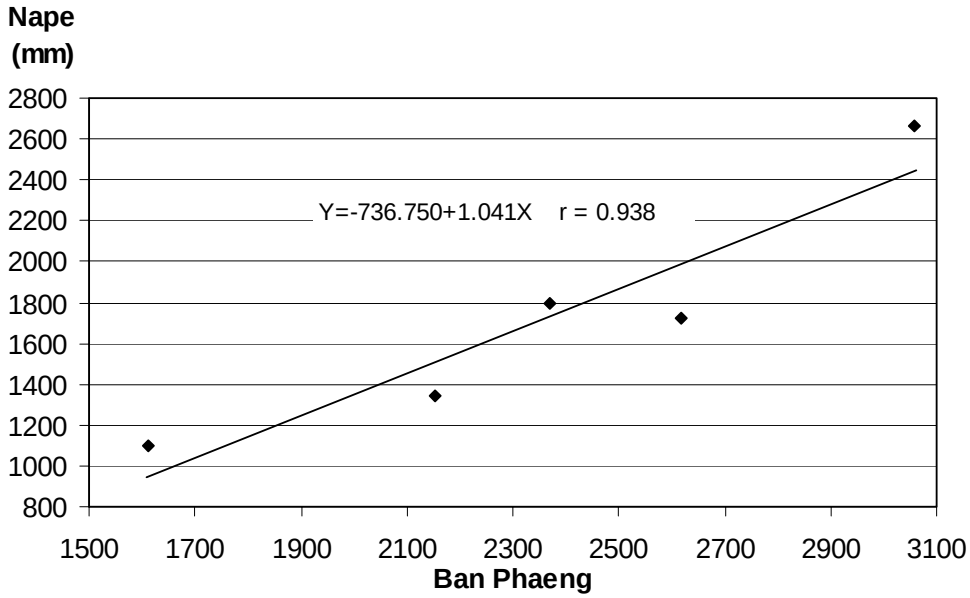

Fig. 12 Correlation between Annual Rainfalls of Nape and Ban Phaeng

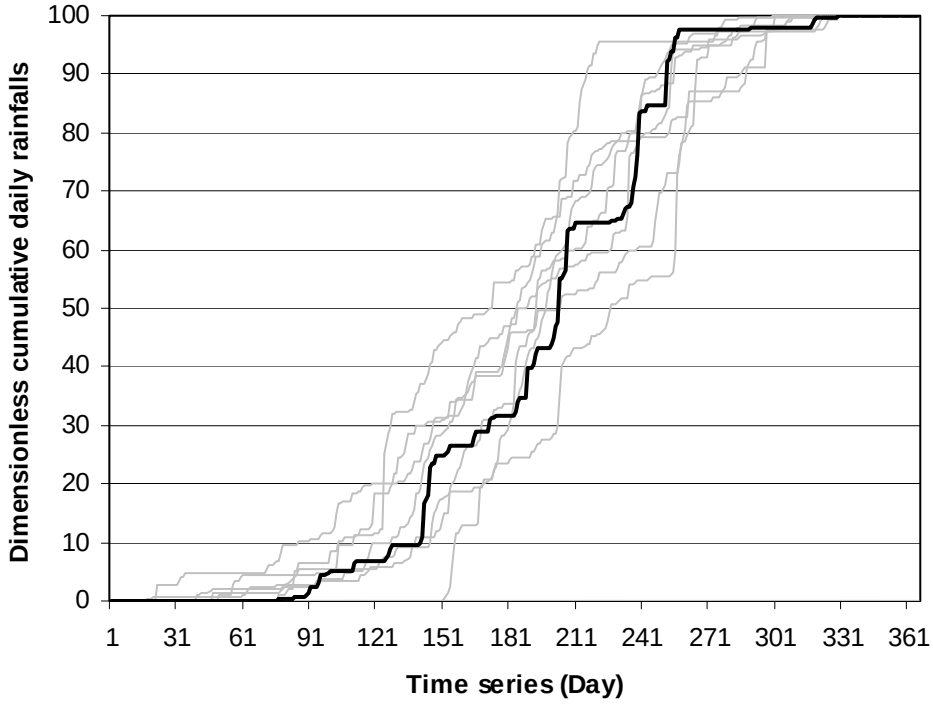

Fig. 13 Pattern Verification of Generated Daily Rainfalls for 1995 at Nape (Light line-Observed, Bold line-Generated)

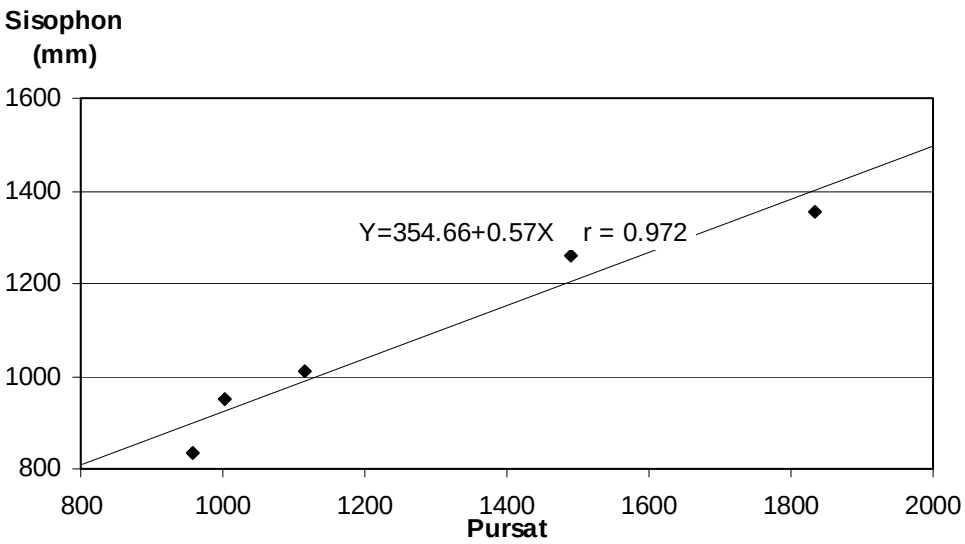

Fig. 14 Correlation between Annual Rainfalls of Sisophon and Pursat

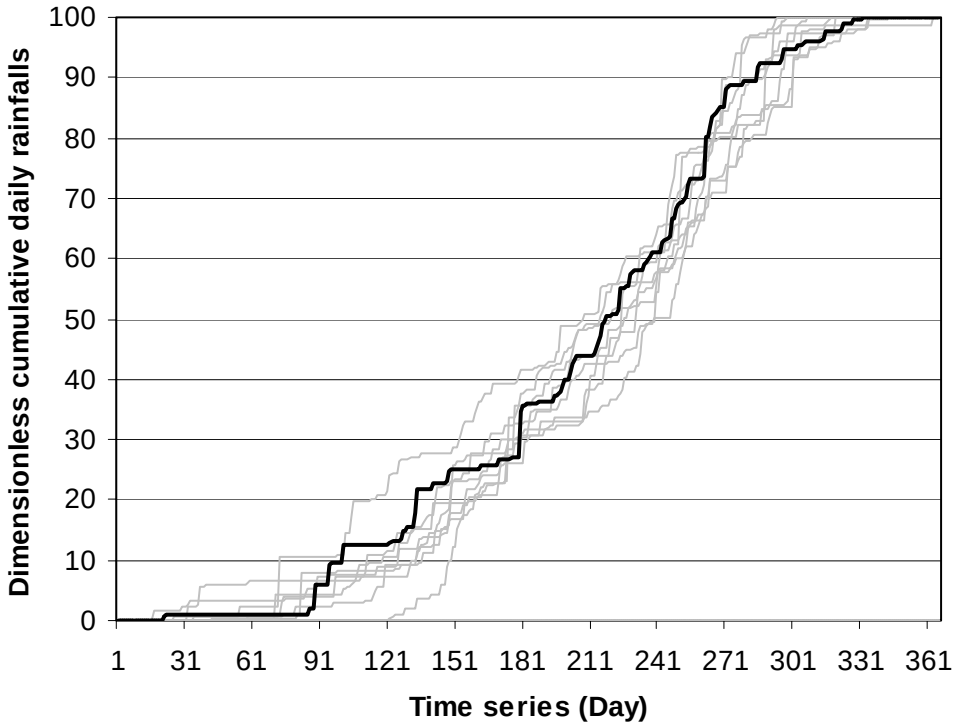

Fig. 15 Pattern Verification of Generated Daily Rainfalls for 1994 at Sisophon (Light line-Observed, Bold line-Generated)

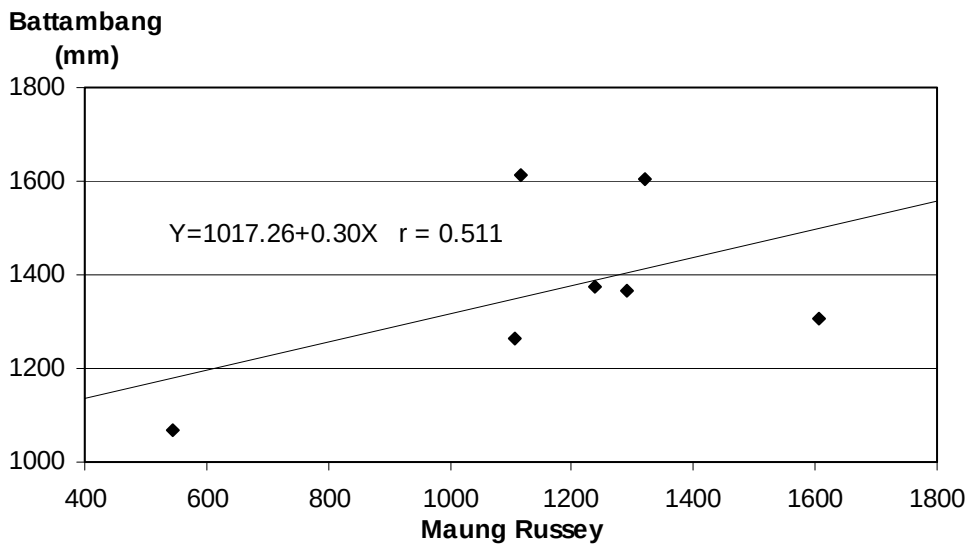

Fig. 16 Correlation between Annual Rainfalls of Battambang and Maung Russey

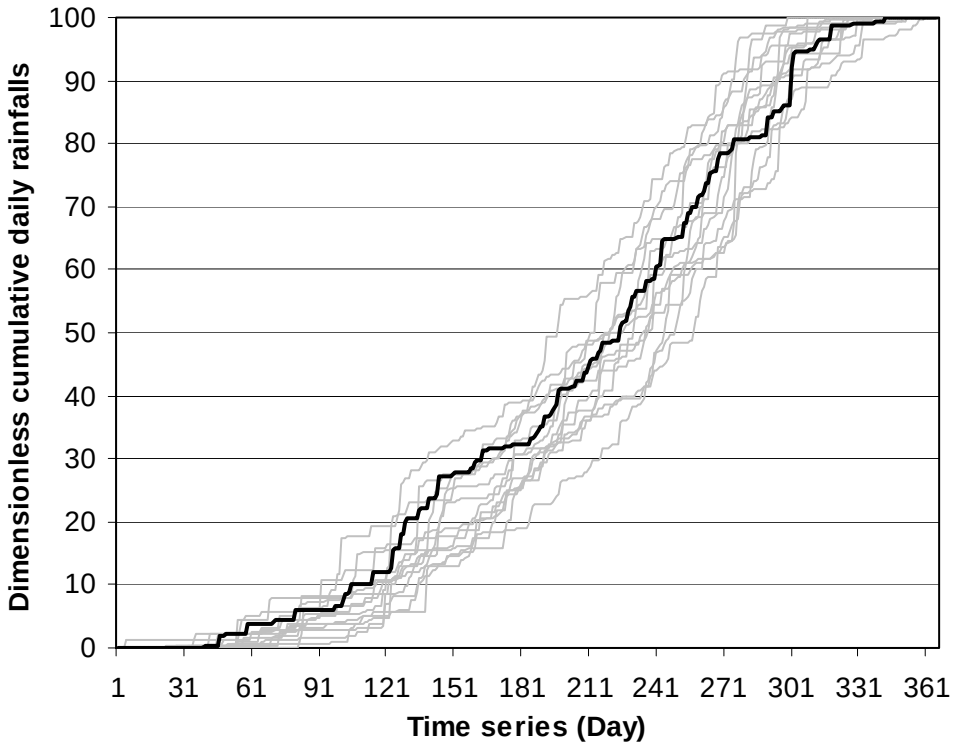

Fig. 17 Pattern Verification of Generated Daily Rainfalls for 1992 at Battambang (Light line-Observed, Bold line-Generated)

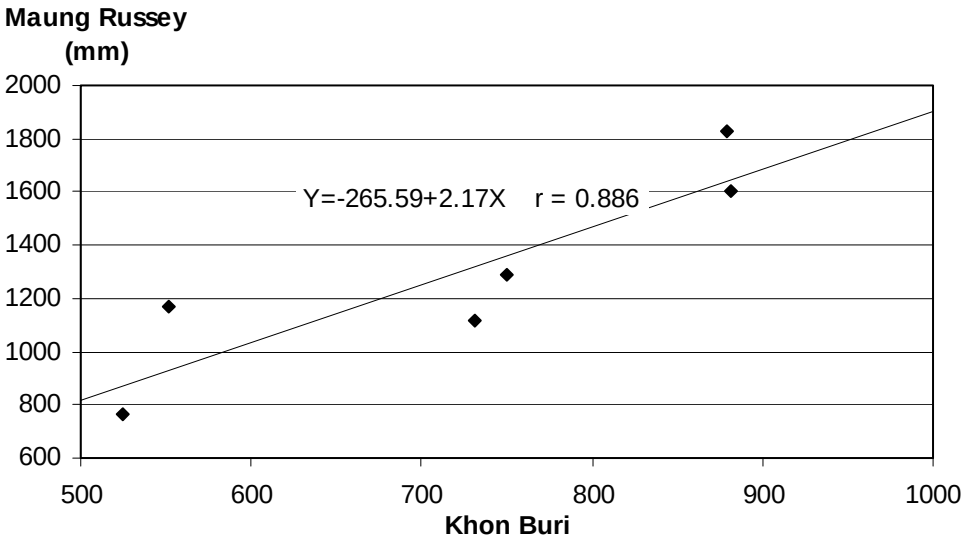

Fig. 18 Correlation between Annual Rainfalls of Maung Russey and Khon Buri

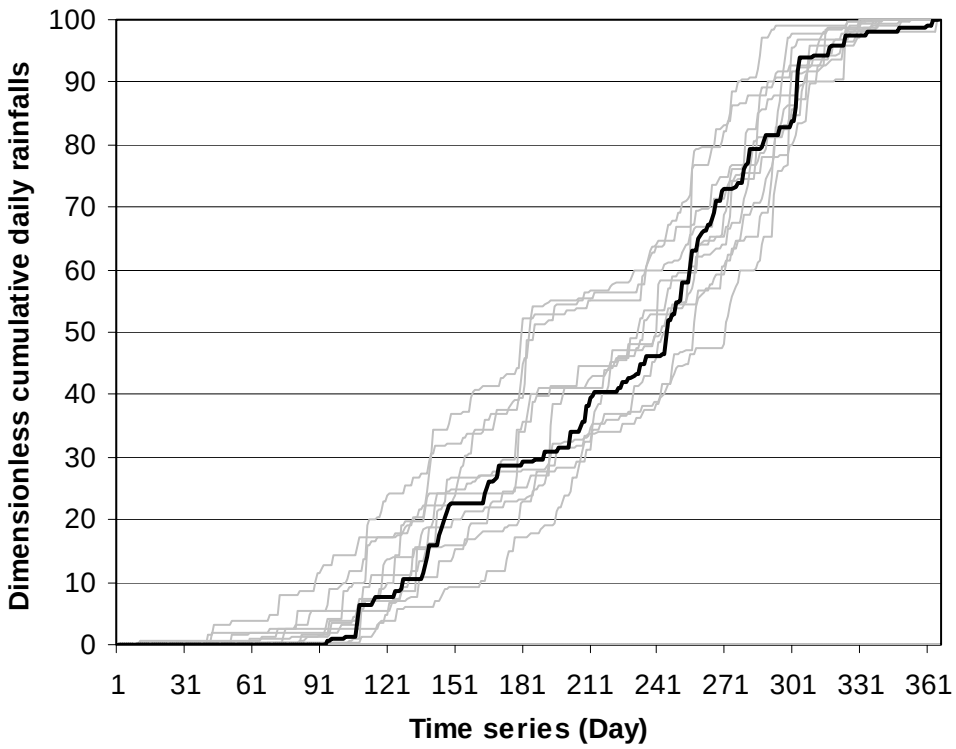

Fig. 19 Pattern Verification of Generated Daily Rainfalls for 1992 at Maung Russey (Light line-Observed, Bold line-Generated)

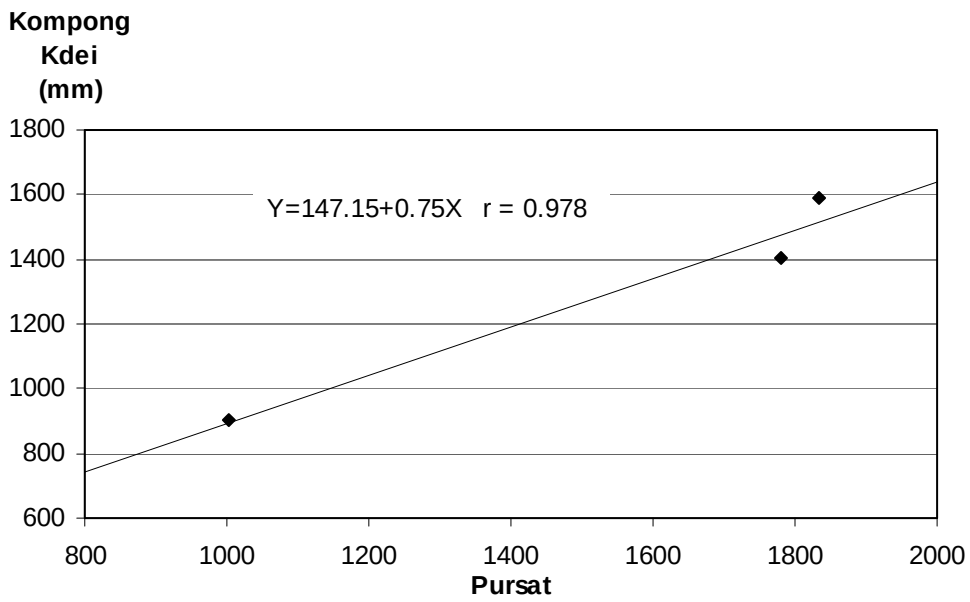

Fig. 20 Correlation between Annual Rainfalls of Kompong Kdei and Pursat

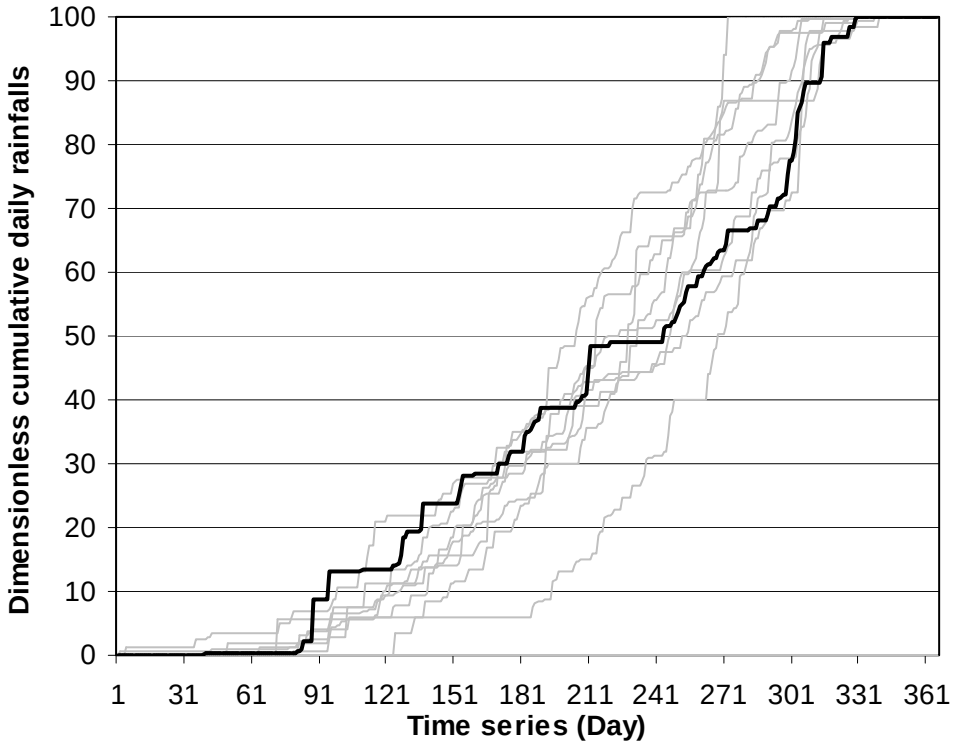

Fig. 21 Pattern Verification of Generated Daily Rainfalls for 1991 at Kompong Kdei (Light line-Observed, Bold line-Generated)

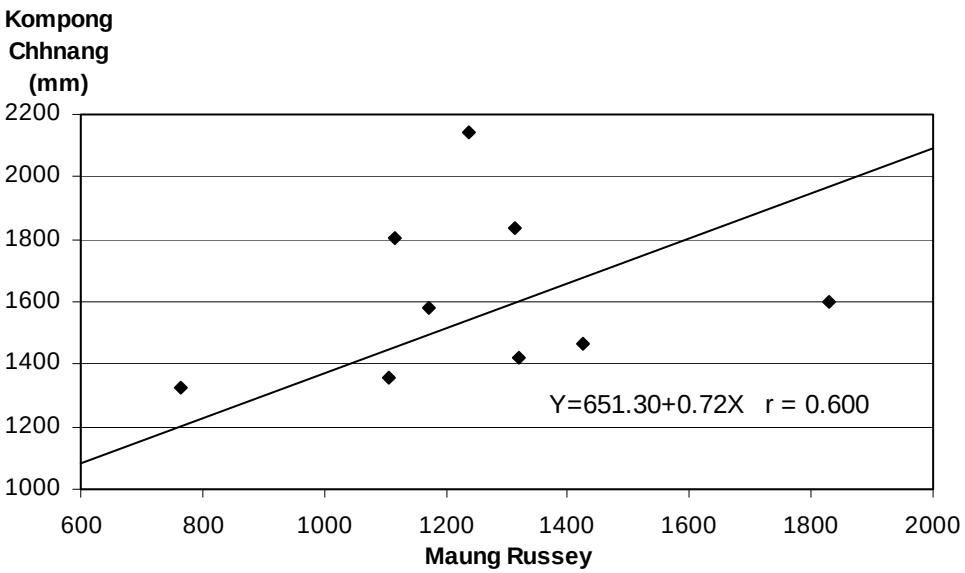

Fig. 22 Correlation between Annual Rainfalls of Kompong Chhnang and Maung Russey

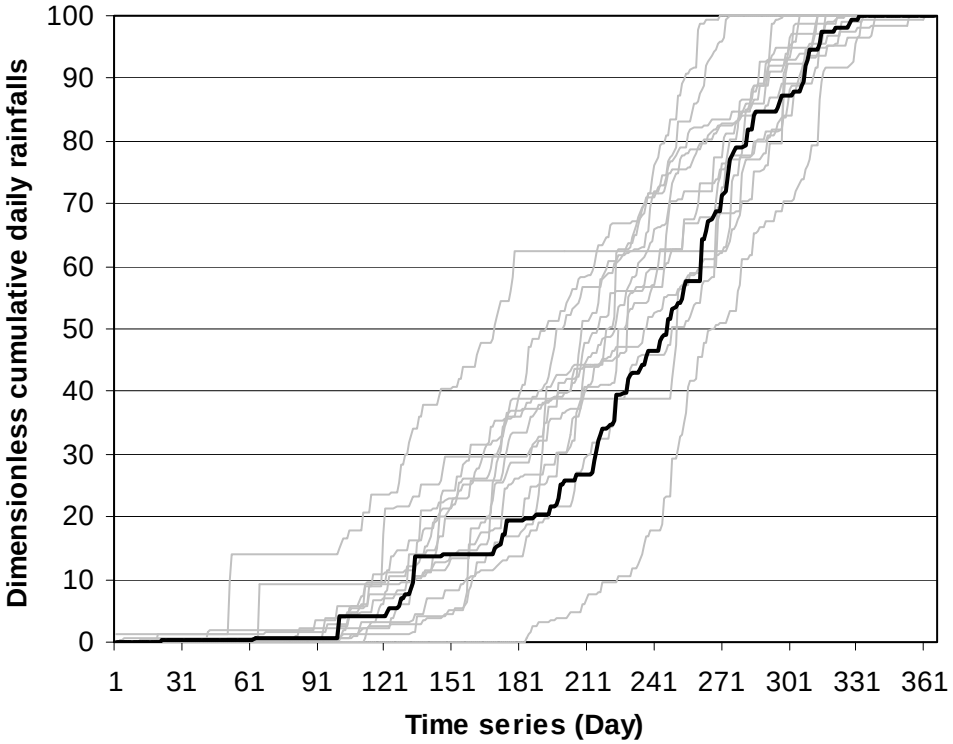

Fig. 23 Pattern Verification of Generated Daily Rainfalls for 1993 at Kompong Chhnang (Light line-Observed, Bold line-Generated)

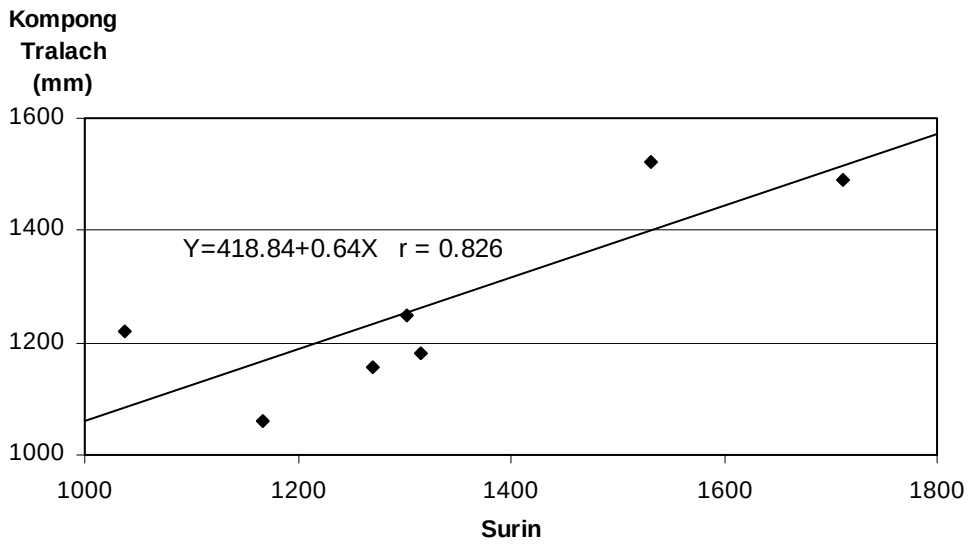

Fig. 24 Correlation between Annual Rainfalls of Kompong Tralach and Surin

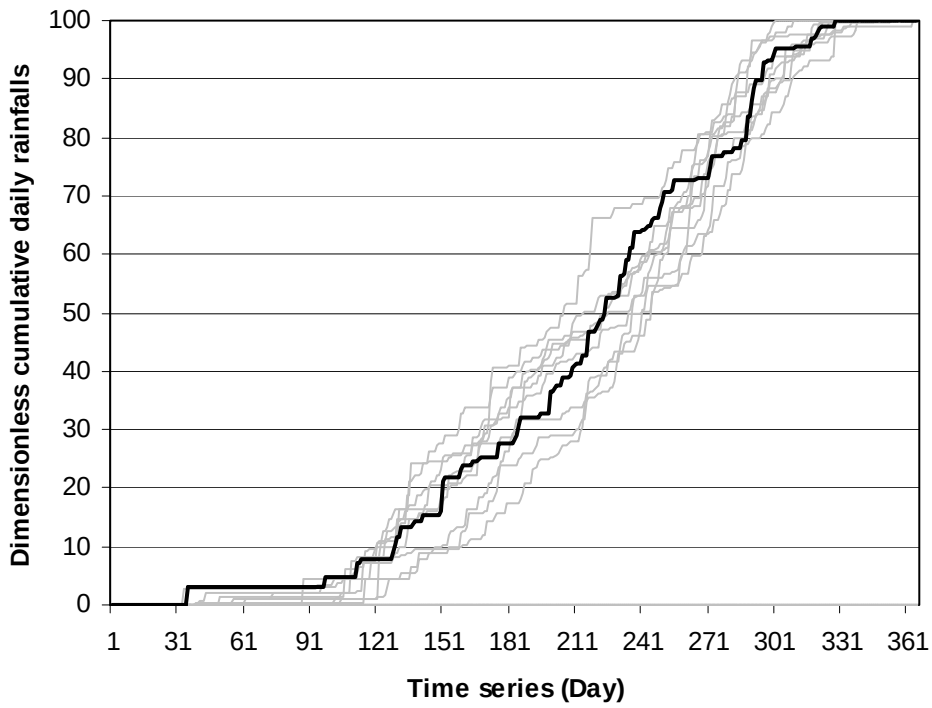

Fig. 25 Pattern Verification of Generated Daily Rainfalls for 1991 at Kompong Tralach (Light line-Observed, Bold line-Generated)

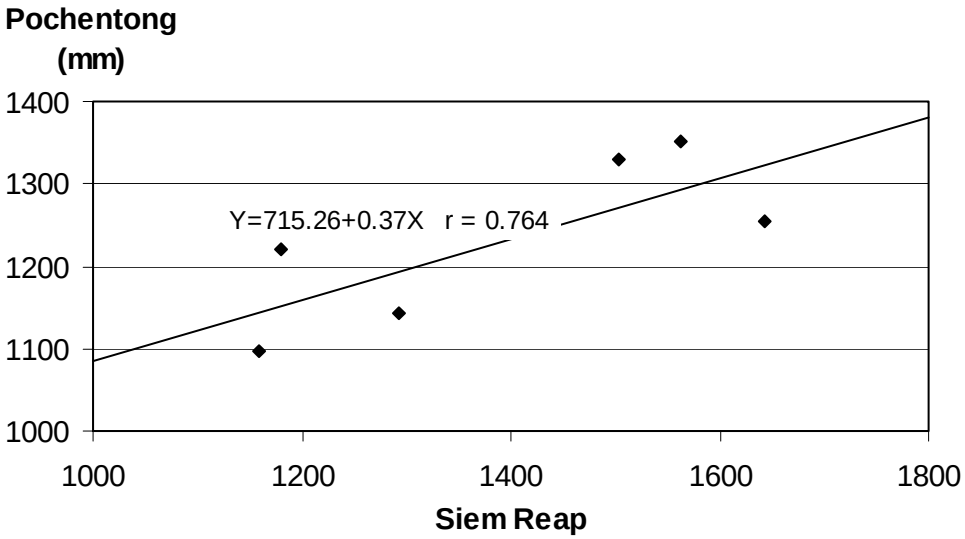

Fig. 26 Correlation between Annual Rainfalls of Pochentong and Siem Reap

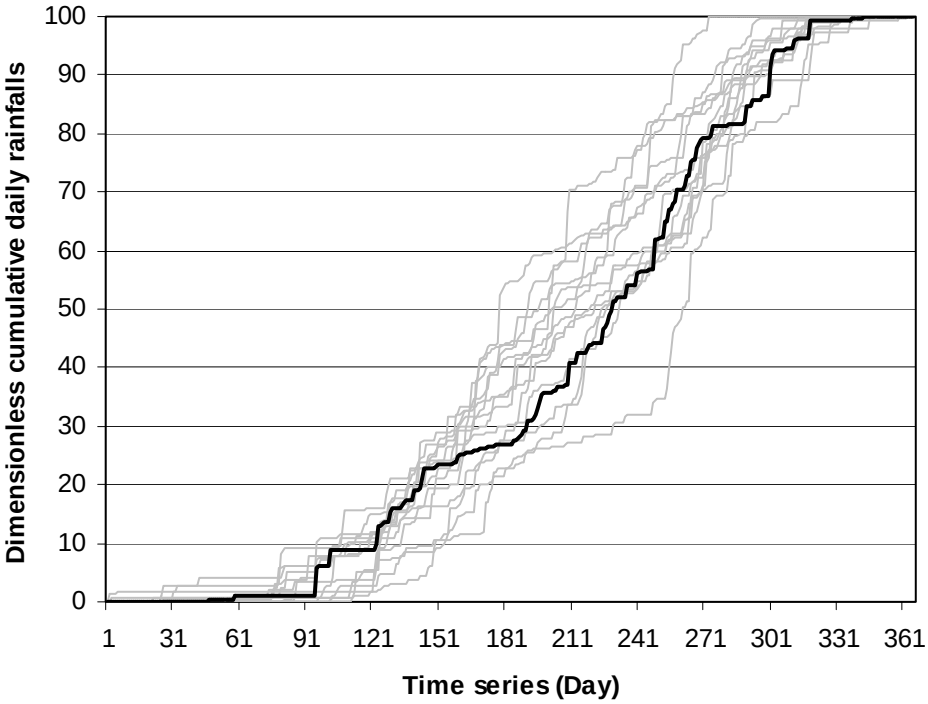

Fig. 27 Pattern Verification of Generated Daily Rainfalls for 1997 at Pochentong (Light line-Observed, Bold line-Generated)

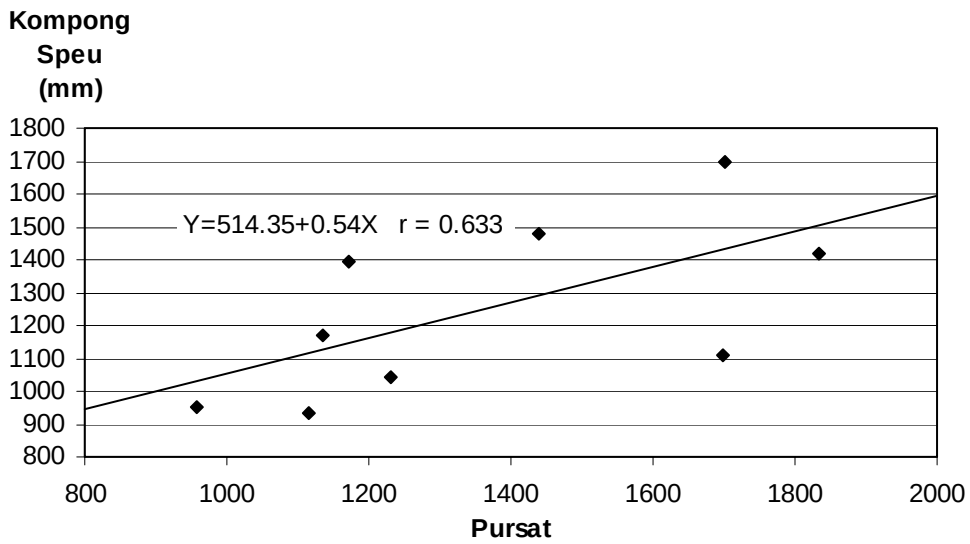

Fig. 28 Correlation between Annual Rainfalls of Kompong Speu and Pursat

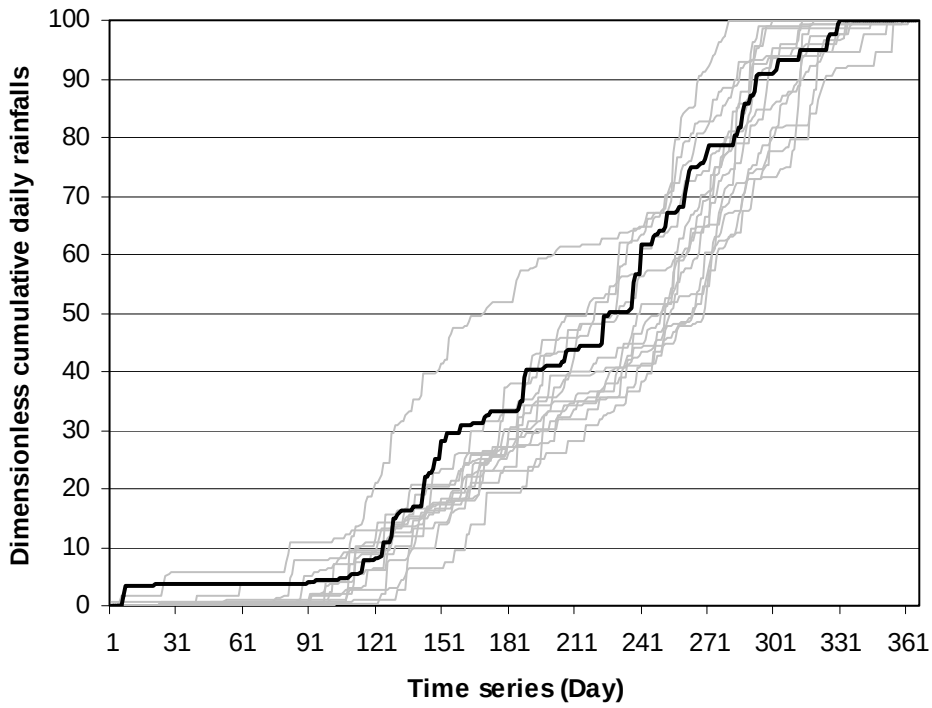

Fig. 29 Pattern Verification of Generated Daily Rainfalls for 1997 at Kompong Speu (Light line-Observed, Bold line-Generated)

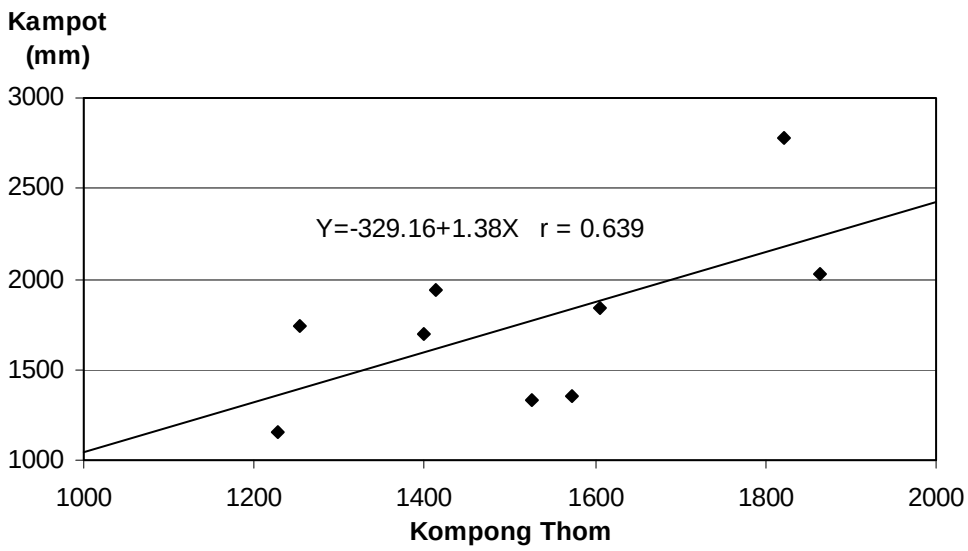

Fig. 30 Correlation between Annual Rainfalls of Kampot and Kompong Thom

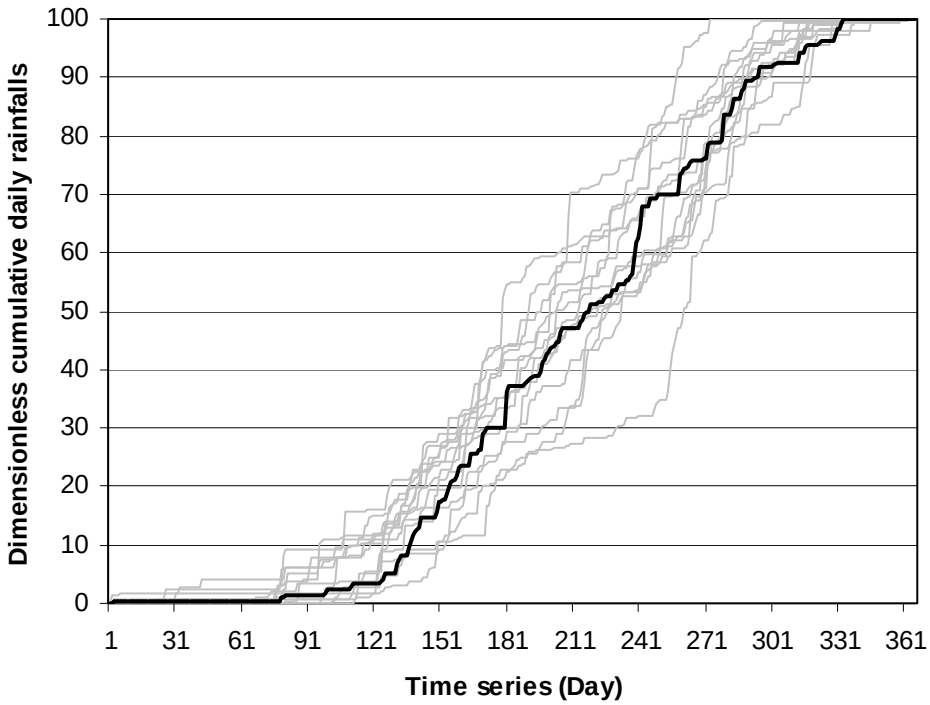

Fig. 31 Pattern Verification of Generated Daily Rainfalls for 1995 at Kampot (Light line-Observed, Bold line-Generated)

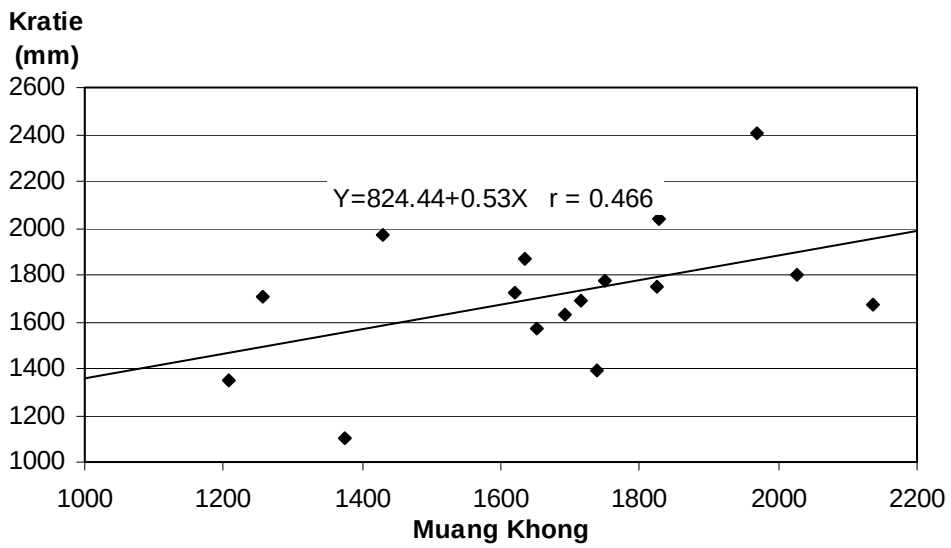

Fig. 32 Correlation between Annual Rainfalls of Kratie and Muang Khong

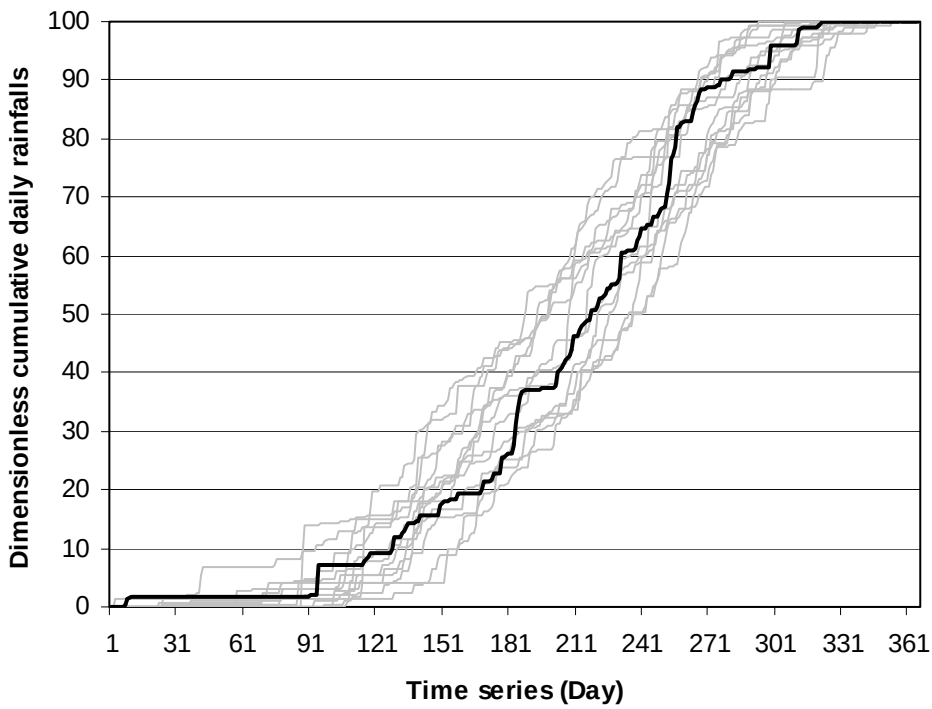

Fig. 33 Pattern Verification of Generated Daily Rainfalls for 1995 at Kratie (Light line-Observed, Bold line-Generated)

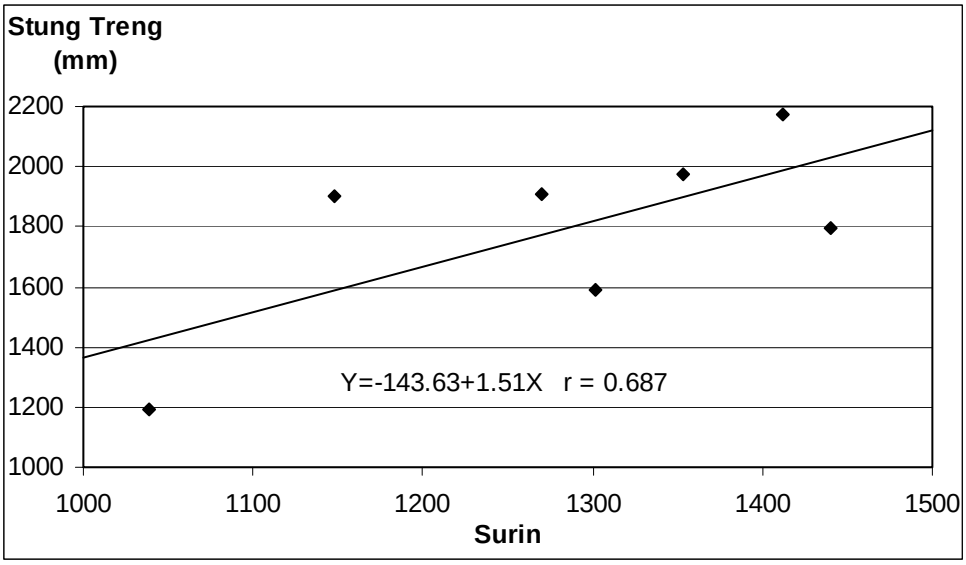

Fig. 34 Correlation between Annual Rainfalls of Stung Treng and Surin

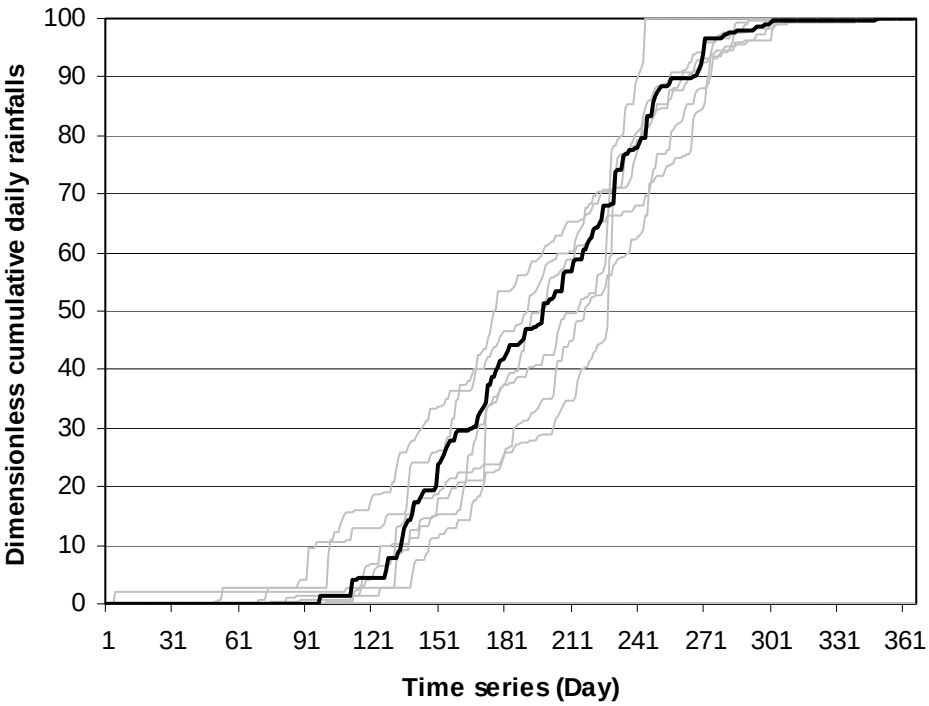

Fig. 35 Pattern Verification of Generated Daily Rainfalls for 1997 at Stung Treng
(Light line-Observed, Bold line-Generated)

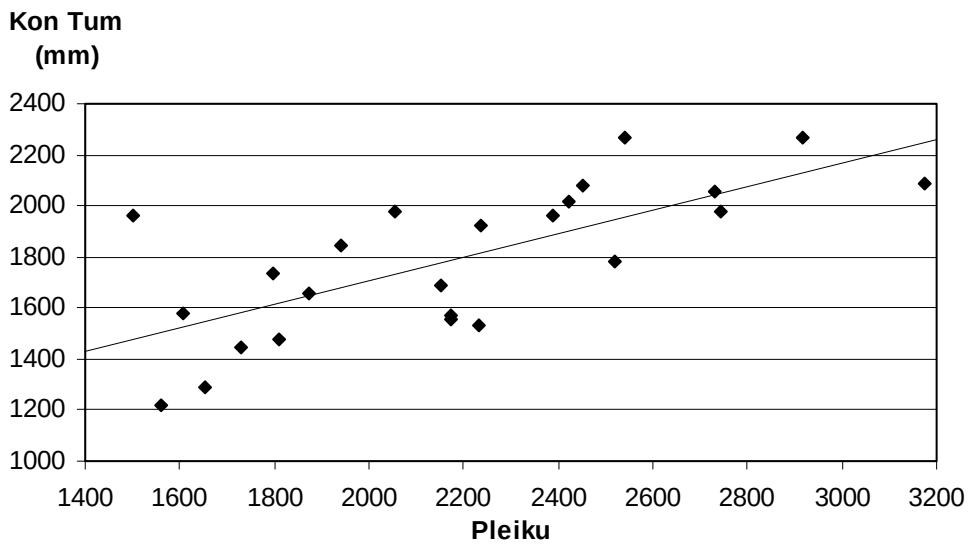

Fig. 36 Correlation between Annual Rainfalls of Kontum and Pleiku

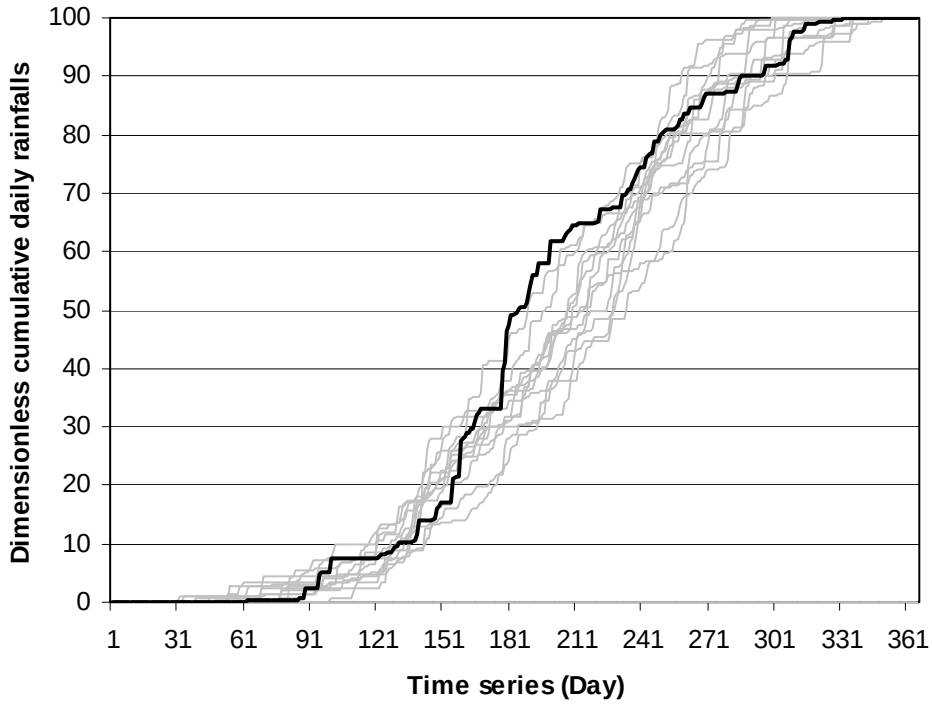

Fig. 37 Pattern Verification of Generated Daily Rainfalls for 1991 at Kontum (Light line-Observed, Bold line-Generated)

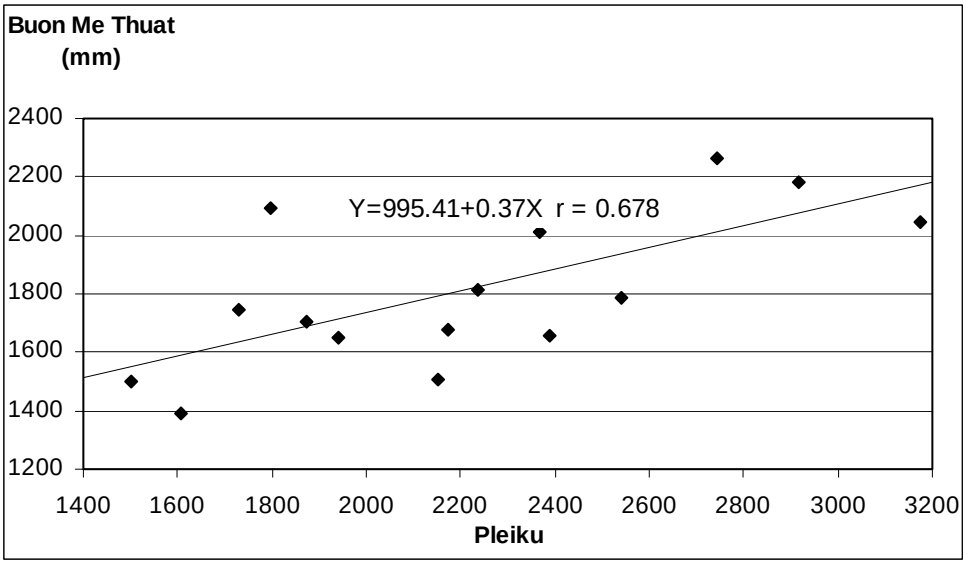

Fig. 38 Correlation between Annual Rainfalls of Buon Me Thuat and Pleiku

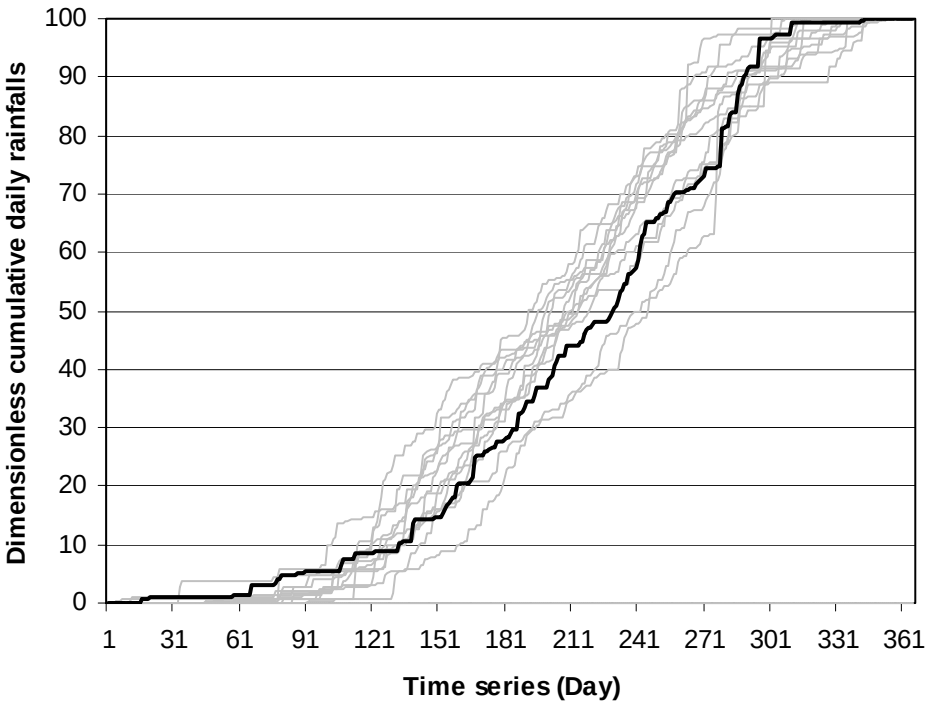

Fig. 39 Pattern Verification of Generated Daily Rainfalls for 1991 at Buon Me Thuat

ANNEX GENERATED RAINFALLS FOR GAP FILLING

LIST OF GENERATED DATAS

Data 1.1.1 Generated Rainfalls for Gap Filling

Country: **Thailand** **Station:** **Bung Kan**
Hymos Code: **180302** **Year:** **1993**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	2.8	1.4	76.7	0.0	0.0	7.8	0.0	0.8
2	0.0	0.0	0.0	45.3	0.0	0.0	19.8	2.3	0.0	30.7	0.0	0.0
3	2.0	0.0	0.0	0.0	0.0	0.0	12.4	1.8	52.5	1.6	0.0	0.0
4	0.0	0.0	0.0	0.0	15.6	0.0	0.0	23.8	30.1	10.5	0.0	0.0
5	0.0	0.0	0.0	43.2	14.6	3.8	0.0	59.6	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	17.0	35.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	52.9	0.0	31.5	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	114.5	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	4.9	0.0	0.0	0.0	0.0	13.2	41.0	0.0	0.0	0.0	0.0
10	0.0	22.3	0.0	2.2	0.0	15.2	2.3	20.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	1.5	26.1	49.1	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	5.6	9.8	44.2	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	27.3	0.0	23.4	15.3	2.6	7.2	0.0	0.0	0.0
14	0.0	0.0	0.0	1.7	15.0	15.6	13.4	11.8	7.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	14.3	37.3	1.4	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	2.1	157.6	42.7	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	8.7	2.2	12.1	0.9	0.0	0.0	0.0
18	0.0	0.0	0.0	1.3	15.2	76.3	6.0	59.0	58.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	32.6	6.2	0.0	19.7	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	2.4	50.6	0.0	0.0	4.7	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	47.0	5.4	28.6	123.7	0.0	0.0	0.0	0.0
22	0.0	0.0	2.5	0.0	27.9	59.7	26.7	90.1	0.0	18.6	0.0	0.0
23	0.0	0.0	3.4	23.6	7.7	24.0	11.5	90.9	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	13.3	11.9	0.0	0.0	10.1	0.0	4.6	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	4.9	11.1	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	7.8	4.8	3.8	45.5	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	24.4	17.9	30.5	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	3.3	4.5	37.4	26.4	55.4	0.0	0.0	0.0
29	0.0		77.7	0.0	18.1	9.7	13.5	24.4	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	45.3	161.5	69.9	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	19.8		0.0		0.0

Data 2.1.1 Generated Rainfalls for Gap Filling

Country: **Lao PDR** **Station:** **Moung Nam Tha**
Hymos Code: **200101** **Year:** **1991**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.8	4.4	0.0	0.0	0.0	0.0	0.0	5.2	0.0
3	0.0	0.0	0.0	0.0	6.6	0.0	5.3	0.0	0.0	0.0	2.4	0.0
4	0.0	0.0	3.1	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	31.7	0.0	46.4	1.2	0.0	6.1	0.0	0.0	0.0
6	0.0	0.0	0.0	3.8	2.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.9	0.0	1.1	0.0	1.8	0.0	1.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	69.3	10.7	0.0	0.0	1.5	0.0	0.0
9	0.0	0.0	0.0	0.0	13.3	5.5	24.9	3.5	0.0	14.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	3.4	21.6	25.2	7.8	0.0	3.3	0.0
11	0.0	0.0	0.0	0.0	5.6	0.0	17.2	0.0	20.1	0.0	14.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	8.2	15.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	7.2	24.2	0.7	0.7	1.9	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	2.2	24.0	3.5	1.5	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	1.4	5.5	0.0	5.4	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	5.3	6.4	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	4.3	1.8	30.5	0.0	0.8	0.0	2.4	0.0
19	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	80.6	0.0	11.1	0.0
20	0.0	0.0	0.0	0.0	33.4	0.0	3.6	22.8	0.0	0.0	0.0	0.0
21	2.1	0.0	0.0	0.0	0.0	2.0	0.0	4.3	13.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	18.7	23.3	0.7	15.2	0.0	0.0	0.0
23	0.0	0.0	0.6	0.0	0.0	1.2	4.6	12.5	2.9	0.0	0.0	0.0
24	0.0	0.0	0.0	1.1	0.0	24.7	12.5	1.7	4.8	0.0	6.4	0.0
25	0.0	0.0	0.0	0.0	1.6	0.0	0.0	13.4	6.9	12.9	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	4.9	10.2	8.4	0.0	0.0	0.0	0.0
27	0.0	0.0	5.8	0.0	4.9	0.0	5.4	22.2	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	17.5	12.4	2.3	3.3	28.1	0.0	2.0	0.0
29	0.0		0.0	0.0	5.1	0.0	12.4	4.3	4.1	0.0	0.0	0.0
30	0.0		14.4	0.0	10.3	0.0	0.7	1.0	2.0	3.2	0.0	0.0
31	0.0		0.0		0.0		1.9	0.0		0.0		0.0

Data 2.1.2 Generated Rainfalls for Gap Filling

Country: Lao PDR **Station:** Moung Nam Tha
Hymos Code: 200101 **Year:** 1993

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	1.0	12.1	0.0	0.0	17.1	10.2	19.0	0.0	0.0	0.0	0.0
2	0.0	4.1	0.0	25.9	0.0	0.0	11.2	29.5	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.7	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	2.7	0.0	9.6	0.0	3.2	0.0	0.0	0.0
5	0.0	0.0	0.0	21.7	6.1	0.0	0.0	37.9	1.6	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	1.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	5.0	0.7	1.9	6.1	0.0	0.0	0.0
8	0.0	0.0	0.0	14.1	6.3	1.7	0.0	6.8	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	2.6	8.2	1.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	22.4	4.8	0.0	4.4	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.7	0.0	7.9	0.0	0.0	0.0	19.9
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	6.8	13.5	0.0	22.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	9.8	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	3.0	4.9	4.5	0.0	56.3	0.0	0.0	0.0	0.6
16	0.0	0.0	0.0	0.0	0.9	0.0	4.6	1.0	0.0	0.0	0.0	13.5
17	0.0	0.0	16.6	0.0	1.1	12.7	5.8	0.0	0.0	0.0	0.0	1.3
18	0.0	0.0	0.0	0.0	1.2	44.0	51.0	0.0	0.0	0.8	0.0	2.0
19	0.0	0.0	6.3	0.0	0.0	0.0	11.6	0.9	0.0	0.0	0.0	15.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.4	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	1.3	0.0	14.4	0.0	20.0	0.0	46.9	17.4	0.0
22	0.0	0.0	0.0	0.0	0.0	41.8	1.1	1.7	7.7	0.0	0.0	5.4
23	0.0	0.0	29.3	11.6	8.4	0.0	29.9	0.0	0.0	0.0	0.0	10.6
24	0.0	0.0	5.4	10.4	0.0	0.0	10.4	9.1	0.0	0.0	0.0	0.5
25	0.0	0.0	0.0	0.0	2.2	24.2	2.9	0.0	0.0	0.0	0.0	4.9
26	0.0	0.0	0.0	0.0	0.9	1.1	29.1	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.6	0.0	3.9	0.0	12.8	0.0	0.0	0.0	0.0
28	0.0	0.0	22.7	22.8	0.0	10.6	0.0	4.3	0.0	0.0	0.0	0.0
29	0.0		0.0	3.0	0.0	6.3	7.4	0.0	13.3	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	9.0	0.0	0.0	27.1	0.0	0.0	0.0
31	0.0		0.0		13.3		31.4	15.2		0.0		0.0

Data 2.2.1 Generated Rainfalls for Gap Filling

Country: Lao PDR **Station:** Xieng Khouang
Hymos Code: 190302 **Year:** 1993

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	5.1	1.5	0.0	0.0	9.1	17.1	50.7	1.3	0.0
2	0.0	0.0	0.0	7.0	0.0	14.2	2.0	0.0	0.0	8.9	0.0	0.0
3	0.0	0.0	1.7	16.6	0.0	8.8	0.0	0.0	0.0	1.1	0.0	0.0
4	0.0	0.0	0.0	0.0	3.5	25.6	1.0	8.3	2.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	5.6	5.2	9.5	0.0	12.5	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	79.7	5.8	15.2	0.0	0.0	0.0	0.0	0.7
7	0.0	0.0	0.0	26.0	0.0	0.9	2.8	2.6	0.0	1.5	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	7.9	21.2	74.9	15.6	1.4	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	29.2	14.4	0.0	3.4
10	0.0	0.0	0.0	0.0	0.0	1.4	17.8	0.0	1.3	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	4.1	0.0	32.1	5.9	4.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	6.7	0.0	3.1	0.0	0.0	11.6	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	3.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	9.1	6.9	48.2	0.0
15	0.0	0.0	0.0	1.6	0.0	0.0	26.3	0.0	1.2	10.2	0.0	0.0
16	0.0	0.0	0.0	1.3	0.0	13.8	0.0	0.0	0.0	3.1	0.0	0.0
17	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0
18	0.0	0.0	0.9	12.2	6.2	0.0	0.0	0.0	2.1	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	4.1	27.5	28.6	10.6	0.0	0.0	0.0
20	0.0	10.3	0.0	33.9	0.0	11.7	0.0	3.2	3.9	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	1.9	0.0	0.0	0.9	4.8	2.0	0.0	0.0	0.7	0.0
23	0.0	4.3	3.6	0.0	0.0	0.0	5.1	7.6	0.6	0.0	0.0	0.0
24	0.0	4.2	0.0	0.0	6.5	0.0	1.7	7.3	17.3	3.6	0.0	0.0
25	0.0	0.0	0.0	0.0	9.7	60.5	0.0	2.6	0.0	2.1	0.0	0.0
26	0.0	0.0	0.0	16.7	0.0	0.0	5.2	1.9	0.0	2.9	0.0	0.0
27	0.0	0.0	0.0	2.9	0.0	2.3	0.0	2.1	0.0	15.1	0.0	0.0
28	0.0	0.0	0.0	17.3	0.8	3.3	21.7	10.6	0.0	7.6	0.0	0.0
29	0.0		0.0	1.7	0.0	8.2	3.1	6.9	8.4	1.1	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	21.6	1.1	0.0	0.0	0.0
31	0.0		0.0		0.0		15.5	0.0		13.2		9.9

Data 2.3.1 Generated Rainfalls for Gap Filling

Country: **Lao PDR** **Station:** **Ban Lao Ngam**
Hymos Code: **150604** **Year:** **1994**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	8.8	0.0	11.6	4.0	97.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	17.6	44.7	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0
4	0.0	0.0	0.0	7.5	0.0	0.0	12.7	12.2	3.8	5.6	0.0	0.0
5	0.0	0.0	0.0	11.6	0.0	0.0	2.1	0.0	0.0	1.6	0.0	0.0
6	0.0	0.0	0.0	10.5	0.0	1.2	14.7	38.0	22.7	1.9	0.0	0.0
7	0.0	0.0	0.0	0.0	45.6	0.0	1.9	23.5	37.8	28.7	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	6.4	43.9	1.4	0.0	1.8	0.0	0.0
9	0.0	0.0	0.0	0.0	17.6	6.9	0.0	36.3	0.0	1.1	0.0	0.0
10	0.0	0.0	0.0	2.1	0.0	0.0	1.0	26.6	0.0	25.1	7.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	3.7	38.0	0.0	9.7	0.0	0.0
12	0.0	0.0	9.7	0.0	3.3	0.0	0.0	1.6	0.0	60.7	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.5	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	18.0	0.0	0.0
15	0.0	0.0	0.0	0.0	13.0	0.0	0.0	26.8	0.0	6.8	0.0	0.0
16	24.5	0.0	0.0	0.0	16.6	0.0	0.0	0.0	96.3	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	30.4	0.0	21.3	0.0	2.3	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	4.8	71.5	4.1	0.0	4.2	1.5	0.0	0.0
19	0.0	0.0	0.0	0.0	1.2	27.1	0.0	9.9	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	12.8	0.0	166.5	6.3	68.7	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	7.5	0.0	10.8	6.9	1.9	0.0	0.0
22	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	37.2	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	62.6	1.2	0.0	29.7	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.4	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	4.9	9.8	27.8	0.0	3.2	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	6.2	5.5	5.1	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	18.8	1.5	3.8	0.0	11.9	0.0	0.0	0.0
29	0.0		0.0	0.0	28.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		1.5	0.0	2.6	20.6	0.0	18.8	8.9	0.0	0.0	0.0
31	0.0		0.0		0.0		3.7	22.6		12.2		0.0

Data 2.4.1 Generated Rainfalls for Gap Filling

Country: **Lao PDR** **Station:** **Nape**
Hymos Code: **180501** **Year:** **1995**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	12.3	5.8	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	1.5	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	10.8	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	20.2	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	9.8	0.0	78.6	2.2	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	4.8	0.0	0.0	4.3	0.0	120.3	0.0	0.0	0.0
10	0.0	0.0	0.0	4.9	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	21.8	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	36.6	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	22.0	1.9	0.0	4.5	0.0	10.7	0.0
15	0.0	0.0	0.0	0.0	0.0	15.8	0.0	6.0	19.3	0.0	8.9	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0
17	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
18	0.0	0.0	5.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	2.5	0.0	0.0	19.1	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	22.0	9.6	35.7	30.3	29.5	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	2.0	14.9	3.5	12.3	5.1	0.0	1.7	0.0	0.0
23	0.0	0.0	0.0	0.0	90.4	0.0	117.5	1.8	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	23.1	8.1	2.6	10.1	0.0	0.0	0.0	0.0
25	0.0	0.0	3.6	0.0	72.8	0.0	21.4	40.2	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	10.9	0.0	106.1	29.4	0.0	0.0	5.3	0.0
27	0.0	0.0	0.0	0.0	4.0	0.0	2.7	56.3	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	18.4	0.0	0.0	115.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	16.9	0.0	0.0	0.0	0.0	0.0
31	0.0		9.3		0.0		0.0	12.8		0.0		0.0

Data 3.1.1 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.6	0.0	5.0	0.0	0.0	0.0	0.7	0.0	0.0
5	0.0	0.0	0.0	7.9	0.0	17.6	0.0	0.0	7.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	13.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	7.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	4.5	0.0	40.9	1.0	23.6	0.0	0.0	0.0
9	0.0	0.0	0.0	2.6	0.0	0.0	2.3	0.0	0.0	5.1	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	15.7	0.0	13.2	13.6	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	15.9	0.0	0.0	2.7	0.0	18.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.0	16.7	0.0	10.9	0.0
16	0.0	0.0	0.0	0.0	0.0	1.7	15.3	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	1.0	0.0	0.0	0.0	1.9	0.0	66.0	1.4	0.0	0.0
18	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.1	9.1	0.0	0.0	17.1
19	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.9	0.0	0.0	10.8	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	20.7	4.3	23.9	16.7	25.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.7	9.1	1.6	7.1	3.1	0.0	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	45.6	0.0	52.9	0.7	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	5.1	1.1	8.5	31.4	0.0	0.0	0.0
25	0.0	0.0	1.8	0.0	0.0	0.0	0.0	33.8	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0	2.9	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.2	0.0	7.1	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	2.4	53.6	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	2.2	0.0	9.4	5.2	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	10.8		108.0		0.0

Data 3.1.2 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1994

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.3	0.0	0.0	0.0
2	0.0	0.0	0.0	0.6	3.5	0.0	3.6	22.8	3.6	0.0	6.6	0.0
3	0.0	0.0	0.0	0.0	5.8	0.0	0.0	13.2	1.3	0.0	0.0	0.0
4	0.0	0.0	2.7	0.0	0.0	0.0	0.0	19.1	35.8	0.0	0.0	0.0
5	0.0	0.0	0.0	35.2	0.0	0.0	0.0	5.6	0.0	1.5	0.0	0.0
6	0.0	0.0	0.0	3.7	0.0	0.0	0.7	11.4	18.3	5.5	0.0	0.0
7	0.0	0.0	0.0	0.0	1.9	0.0	5.2	0.0	5.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	17.1	0.0	0.0	1.0	4.4	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	10.4	0.0	4.7	0.0
11	0.0	0.0	0.0	33.1	0.0	6.8	0.0	6.7	24.3	0.0	14.0	0.0
12	0.0	0.0	0.0	0.0	1.2	1.7	0.0	41.4	10.9	28.3	0.0	0.0
13	0.0	0.0	0.0	0.0	27.9	0.0	0.0	0.6	0.9	4.8	0.0	0.0
14	0.0	0.0	0.0	0.0	41.5	0.0	9.6	1.1	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	5.7	23.4	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	21.1	6.4	1.0	0.0	3.7	0.0
19	0.0	0.0	0.0	0.0	0.0	9.1	0.0	1.9	77.0	0.0	11.5	0.0
20	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	10.9	0.0	13.7	0.0	16.8	0.0	0.0	0.0
22	5.9	0.0	0.0	0.0	0.0	0.0	16.9	0.0	18.9	0.0	0.0	0.0
23	3.5	0.0	0.9	0.0	0.0	0.0	4.3	10.9	3.4	7.5	0.0	0.0
24	0.0	0.0	0.0	1.0	0.0	0.0	10.0	1.4	5.5	20.6	7.6	0.0
25	0.0	0.0	0.0	0.0	0.0	1.3	0.0	11.7	9.2	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
27	0.0	0.0	8.3	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	32.8	0.0	3.3	0.0
29	0.0		0.0	0.0	4.1	85.1	0.0	0.0	4.7	0.0	0.0	0.0
30	0.0		45.5	0.0	0.0	11.4	0.0	0.0	2.4	7.3	0.0	0.0
31	0.0		0.0		0.0		0.0	19.3		0.0		0.0

Data 3.1.3 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1995

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.5	0.0	0.0	8.3	34.8	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	3.6	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	2.0	32.3	1.6	4.8	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.7	0.0	0.0
7	38.5	0.0	0.0	0.0	0.0	0.0	47.3	1.6	0.0	0.0	0.0	0.0
8	0.0	9.7	0.0	0.0	9.5	13.7	15.5	5.0	0.0	0.0	0.0	0.0
9	0.0	10.2	0.0	0.0	33.7	0.0	19.6	21.9	7.9	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	6.9	48.8	4.6	39.7	19.3	0.0	0.0
11	0.0	0.0	0.0	0.0	6.1	15.9	8.8	0.0	45.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	7.1	26.5	2.1	0.0	2.2	16.5	0.0	0.0
13	0.0	14.1	0.0	0.0	0.0	3.0	0.0	0.0	51.8	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.2	0.0	0.0
15	0.0	0.0	0.0	1.0	0.0	81.5	0.0	9.4	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	22.6	0.8	5.1	0.0	71.4	1.3	0.0	0.0
17	0.0	0.0	0.0	25.6	0.0	0.0	4.2	14.0	7.5	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.7	0.0	9.6	0.0	11.2	0.0	6.1	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	4.8	0.0	4.2	0.0	30.3	0.0	0.0
21	4.7	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	5.3	16.5	0.0
22	0.0	0.0	0.0	0.0	31.3	5.2	0.0	8.0	0.0	0.0	3.2	0.0
23	0.0	0.0	0.0	0.0	32.4	0.0	0.0	5.9	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	1.2	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	27.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	6.3	0.0	4.7	0.9	0.0	0.0	0.0	0.0
28	0.0	0.0	99.1	0.0	21.0	0.0	0.0	4.9	0.0	3.3	0.0	0.0
29	0.0		0.0	0.0	0.0	0.8	0.0	0.0	23.9	2.8	0.0	0.0
30	0.0		46.5	0.0	35.6	0.0	0.0	7.4	29.5	19.4	0.0	0.0
31	0.0		0.0		0.0		1.1	4.6		0.0		0.0

Data 3.1.4 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1997

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	8.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	2.1	21.9	1.6	21.9	0.0	0.0
3	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	1.8	0.0	0.0
4	0.0	0.0	0.0	0.0	39.1	0.0	10.7	0.0	2.5	0.0	0.0	0.0
5	0.0	0.8	0.0	1.9	0.0	0.0	0.0	0.0	17.9	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	8.4	0.0	0.0	13.6	64.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	5.8	0.0	3.6	0.0	0.0	0.0	0.0	12.4	0.0
9	0.0	2.9	0.0	0.0	35.4	0.0	0.0	0.0	2.5	4.6	3.3	0.0
10	0.0	0.0	0.0	0.0	14.0	0.0	25.4	0.8	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	15.9	0.0	27.0	8.7	0.0	0.0	0.0
12	0.0	0.0	0.0	29.6	0.0	0.0	0.0	18.4	33.9	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	3.1	0.0	1.6	0.0	0.0	15.1	0.0	0.0	0.0
15	0.0	0.0	1.7	0.0	20.5	0.0	0.0	0.0	2.9	3.9	0.0	0.0
16	0.0	13.1	0.0	0.0	6.7	8.0	0.0	0.0	0.0	1.8	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	41.3	0.0	0.0
18	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	30.2	0.0	0.0	12.6	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	10.5	11.5	0.0	0.0
22	0.0	0.0	0.0	0.0	3.8	5.0	5.9	0.0	0.0	47.0	0.0	0.0
23	0.0	0.0	0.0	0.0	6.2	0.0	0.0	1.4	0.0	15.8	0.0	0.0
24	0.0	0.0	0.0	0.0	39.6	0.0	0.0	26.9	1.1	0.0	2.6	0.0
25	0.0	0.0	0.0	26.6	0.0	0.0	8.0	0.0	33.2	0.0	1.0	0.0
26	5.3	0.0	0.0	0.0	1.6	7.6	26.3	0.0	19.6	10.6	0.0	0.0
27	1.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	3.0	110.3	0.0	0.0
28	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	43.0	27.5	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	4.2	0.0	0.0	7.4	0.0	0.0	0.0	0.0
31	0.0		0.0		6.9		0.0	0.0		0.8		0.0

Data 3.1.5 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1998

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	8.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	2.6	11.4	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	13.4	0.0	4.4	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	3.5	0.0	0.0	11.4	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	5.4	0.0	0.0	2.8	13.2	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	12.2	0.0	0.0	13.2	33.0	15.5	0.0	0.0
8	0.0	0.0	0.0	0.0	33.5	0.0	2.0	0.7	10.9	2.5	0.0	0.0
9	0.0	0.0	0.0	3.6	0.0	0.0	7.0	0.0	18.5	5.1	28.6	0.0
10	0.0	0.0	0.0	7.6	0.0	15.4	3.3	1.6	5.6	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	28.1	0.8	4.2	0.0	13.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	3.6	1.5	2.2	0.0	0.0	23.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.9	0.0	9.3	0.0	25.6	0.0	0.0
14	0.0	0.0	0.0	0.0	7.3	0.0	0.0	1.3	14.8	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	16.6	8.3	0.0	6.1	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	2.1	0.0	17.6	9.2	0.0	13.1	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	33.8	0.0	0.0	0.0	0.0	0.0	4.2	0.0
19	0.0	0.0	0.0	0.0	9.3	40.8	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	1.1	0.0	0.0	7.9	0.0	6.9	0.0	0.0
21	0.0	0.0	0.0	7.0	3.2	0.0	0.0	7.7	0.0	2.7	0.0	0.0
22	0.0	0.0	0.0	0.0	27.0	33.6	0.0	1.0	0.0	31.4	0.0	0.0
23	0.0	0.0	0.0	0.0	1.3	0.0	4.7	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	12.2	0.9	0.0	0.0
25	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	43.9	0.0	0.0	0.0	29.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.9	0.0	0.0	0.0
29	0.0		0.0	0.0	12.6	0.0	5.9	0.0	0.0	5.1	0.0	0.0
30	0.0		0.0	0.0	29.5	108.2	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	3.7		0.0		0.0

Data 3.1.6 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Sisophon
Hymos Code: 130202 **Year:** 1999

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.5	0.0	21.2	0.0	0.0	7.8	0.0	0.3
2	0.0	0.0	0.0	0.0	0.0	15.1	6.6	0.0	0.0	21.3	0.0	0.0
3	2.3	0.0	0.0	0.0	0.0	16.2	0.0	0.0	34.3	1.1	0.0	0.0
4	0.0	0.0	0.0	0.0	6.3	18.6	5.4	0.0	18.8	9.7	0.0	0.0
5	0.0	0.0	0.0	34.4	0.0	0.0	6.3	28.4	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	5.6	0.0	6.8	7.6	22.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	13.9	0.0	4.6	14.5	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	31.9	0.0	15.7	0.0	9.2	0.0	0.0	0.0
9	0.0	4.5	0.0	0.0	0.0	2.6	0.0	19.2	2.6	4.0	0.0	0.0
10	0.0	45.8	0.0	0.9	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	6.0	0.0	0.0	3.5	0.0	40.4	0.0	0.0
15	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.8	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.8	8.3	0.0	0.0
18	0.0	0.0	0.0	0.6	6.1	0.0	2.5	31.8	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	18.5	0.0	0.0	8.9	10.7	2.7	0.0	0.0
20	0.0	0.0	0.0	0.9	35.2	21.0	0.0	1.7	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	31.6	0.0	0.0	53.2	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7	0.0	14.8	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0
24	0.0	0.0	2.1	0.0	0.0	14.5	7.2	4.4	0.0	5.3	0.0	0.0
25	0.0	0.0	17.5	0.0	2.7	5.6	0.0	0.0	0.0	0.0	5.9	0.0
26	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.0	0.0
28	0.0	0.0	0.0	0.0	1.7	0.0	0.0	12.1	36.4	0.0	0.0	0.0
29	0.0		114.7	0.0	0.0	0.0	4.8	11.1	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	57.9	35.8	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	9.0		0.0		0.0

Data 3.1.7 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Sisophon
Hymos Code: 130202 Year: 2000

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	8.1	1.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	9.7	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	19.9	3.7	4.3	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	6.4	26.1	0.6	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.8	0.0	5.4	9.6	12.8	0.0	55.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	40.2	6.5	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	22.9	0.0	0.0	0.0	2.5	0.0	0.0
9	0.0	0.0	0.0	0.0	6.9	0.0	1.4	0.0	0.0	24.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.9	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	3.3	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	1.2	0.0	2.3	7.4	1.3	32.0	0.0	0.0
13	0.0	0.0	0.0	0.0	30.8	0.0	6.4	44.5	43.8	0.0	10.6	0.0
14	0.0	0.0	0.0	0.0	22.4	6.5	0.0	0.0	51.4	0.0	1.7	0.0
15	0.0	1.3	0.0	0.0	0.0	8.2	0.0	5.9	5.6	0.0	10.3	0.0
16	0.0	0.0	0.0	0.0	0.0	1.7	5.3	0.6	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	34.7	0.0	0.0	3.9	0.0	1.4	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	7.0	0.0	0.0
20	0.0	0.0	0.0	0.7	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.0	1.3	0.0	0.0
22	0.0	0.0	0.0	0.7	0.0	0.0	2.7	12.1	0.0	0.0	1.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	28.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	5.1	31.6	20.9	0.0	1.1	0.0	0.0	0.0
26	0.0	43.2	0.0	0.0	0.0	19.2	1.5	0.0	0.0	51.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.1	0.0	0.0	0.0	0.0
28	0.0	0.0	109.1	0.0	0.0	0.0	44.3	5.6	0.0	5.1	3.2	0.0
29	0.0		0.0	0.0	0.0	0.0	19.1	13.7	0.0	0.0	3.2	0.0
30	0.0		0.0	0.0	0.0	7.7	0.0	0.0	9.3	0.0	0.0	4.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0

Data 3.2.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Battambang
Hymos Code: 130305 Year: 1992

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	6.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	21.9	0.0	0.0
3	0.0	0.0	0.0	0.0	12.1	0.0	0.0	18.0	2.6	1.7	0.0	0.0
4	0.0	0.0	0.0	0.0	42.5	0.0	10.7	1.8	0.0	0.0	0.0	7.0
5	0.0	1.0	0.0	3.0	4.9	0.0	0.0	20.0	0.0	0.0	4.9	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	32.9	6.4	15.1	0.0	2.0	0.0	0.0	0.0
8	0.0	0.0	0.0	7.3	0.0	0.0	8.6	0.6	4.1	0.0	15.9	0.0
9	0.0	2.9	0.0	0.0	25.8	15.2	0.0	1.9	0.0	4.2	4.1	8.7
10	0.0	0.0	0.0	0.0	11.3	2.7	23.8	0.0	28.3	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	7.4	31.0	0.0	4.3	0.0	0.0	26.8	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	21.8	3.4	36.4	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	4.2	0.0	0.0	12.9	5.8	10.9	0.0	0.9	0.0
15	0.0	0.0	1.6	15.3	15.9	2.8	14.9	8.2	2.1	3.6	32.4	0.0
16	0.0	22.1	0.0	0.0	5.8	0.0	30.6	22.8	23.6	1.8	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	2.2	7.5	3.5	42.5	0.0	0.0
18	0.0	5.5	0.0	0.0	0.0	0.0	0.0	25.4	0.7	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	8.6	0.8	0.0	0.0
20	0.0	0.0	0.0	0.0	22.4	0.0	0.0	11.0	17.4	13.3	0.0	0.0
21	0.0	0.0	20.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	3.5	2.9	5.3	0.0	26.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	5.4	0.0	0.7	1.3	4.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	43.6	0.0	13.7	25.6	0.0	11.9	3.3	0.0
25	0.0	0.0	0.0	28.2	0.0	0.0	0.0	0.0	26.2	0.7	0.8	0.0
26	0.0	0.0	0.0	0.0	1.3	4.9	0.0	0.0	14.6	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	2.2	0.0	0.0	0.0
28	0.0	26.1	0.0	0.0	0.0	0.0	21.5	0.0	0.0	90.7	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	26.2	0.0	30.2	0.0	0.0
30	0.0		0.0	0.0	3.9	0.0	28.2	6.1	0.0	8.3	0.0	0.0
31	0.0		0.0		6.0		1.1	55.6		0.0		0.0

Data 3.2.2 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Battambang
Hymos Code: 130305 Year: 1996

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	6.7	0.0	0.0	4.2	0.0	2.1	0.0	24.1	0.0	0.0
2	0.0	0.0	2.9	0.0	0.0	0.0	14.3	0.0	59.5	5.2	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.2	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	84.6	0.0	0.0
5	0.0	41.9	0.0	0.0	0.0	0.0	0.0	0.0	32.5	0.0	0.0	0.0
6	0.0	3.3	0.0	0.0	1.6	23.6	3.2	0.0	16.1	10.7	0.0	0.0
7	0.0	0.0	1.2	0.0	12.6	21.4	9.7	0.0	7.8	10.4	3.4	0.0
8	0.0	42.0	0.0	14.5	24.1	0.0	2.1	0.0	18.3	1.8	0.0	0.0
9	0.0	0.0	0.0	1.1	0.0	0.0	0.0	14.9	0.0	2.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	16.7	21.9	4.4	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	3.5	13.3	1.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.5	16.4	10.1	2.6	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	9.0	0.0	0.0	28.3	16.4	12.1	0.0	0.0
14	0.0	0.0	0.0	0.0	1.2	3.3	7.1	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0
16	0.0	0.0	0.0	0.0	5.7	2.0	0.0	0.0	0.0	75.5	0.0	0.0
17	0.0	0.0	0.0	0.0	8.4	0.7	0.0	2.8	4.8	1.1	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	6.5	0.0	43.4	0.0	31.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	23.0	0.0	0.0	3.1	31.1	0.0	0.0	0.0
21	0.0	8.8	0.0	0.0	1.1	0.0	12.5	0.0	0.7	7.2	0.0	0.0
22	0.0	0.0	0.0	25.5	0.0	0.0	0.0	0.0	19.9	11.3	0.0	0.0
23	0.0	0.0	0.0	0.0	5.5	0.0	12.8	3.0	0.8	0.0	0.0	0.0
24	0.0	0.0	0.0	3.2	12.7	0.0	0.0	0.0	3.3	4.2	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	30.1	0.7	3.2	0.9	0.0	13.9	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	41.1	0.0	27.9	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.9	23.8	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	44.3	10.4	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0
30	0.0		0.0	0.0	6.4	0.0	0.0	17.7	0.0	8.5	0.0	0.0
31	0.0		0.0		45.7		27.8	0.0		30.8		0.0

Data 3.2.3 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Battambang
Hymos Code: 130305 Year: 1997

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	2.4	0.0	42.5	7.2	7.1	0.0	0.0
2	0.0	0.0	0.0	81.5	0.0	0.0	29.5	0.0	4.2	0.0	0.0	0.0
3	0.0	0.0	0.0	12.7	0.0	0.0	13.3	0.0	1.6	0.0	0.0	0.0
4	0.0	0.0	0.0	8.8	0.0	1.0	0.9	1.9	8.8	1.6	4.9	0.0
5	0.0	0.0	0.0	0.0	0.0	11.1	12.3	0.0	21.1	26.0	5.2	0.0
6	0.0	0.0	0.0	2.0	0.0	2.3	16.1	2.2	31.0	4.3	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	2.1	2.2	10.8	4.6	29.8	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.9	44.7	15.6	5.0	2.8	0.0	0.0
9	0.0	0.0	13.9	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	7.2	0.9	0.0	0.0	15.7	0.0	0.0
11	0.0	0.0	0.0	58.9	0.0	12.4	5.6	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	1.1	0.0	0.0	8.2	8.8	4.3	0.0	0.0	0.0	0.0
14	0.0	1.0	0.0	0.0	0.0	6.5	18.5	3.2	0.0	23.1	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	6.7	0.0	20.3	0.0	0.0	0.0	0.0
18	0.0	0.0	0.6	0.0	0.0	0.0	5.2	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9	0.0	16.8	0.0
21	0.0	0.0	0.0	0.0	17.5	4.6	18.8	6.5	57.0	1.1	0.0	0.0
22	0.0	0.0	0.0	0.9	6.0	0.0	5.6	8.3	1.1	1.8	0.0	0.0
23	0.0	0.0	53.1	0.0	0.0	0.8	0.0	0.0	0.0	22.9	0.0	0.0
24	0.0	1.5	0.0	0.0	0.0	0.8	0.0	0.0	8.6	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	33.4	0.0	0.0
26	0.0	0.0	0.0	10.6	0.0	0.0	13.6	0.0	11.9	13.3	0.0	4.7
27	0.0	0.0	0.0	1.8	0.0	0.0	2.7	13.4	6.9	12.0	0.0	4.6
28	0.0	0.0	31.3	0.0	0.0	0.0	1.8	2.4	58.4	8.2	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.8	0.0	6.1	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	3.5	6.1	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		16.7		0.0

Data 3.2.4 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Battambang
Hymos Code: 130305 Year: 1998

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	11.7	3.2	0.9	0.0	0.0	4.3
2	0.0	0.0	0.0	0.0	0.0	31.8	0.0	0.0	4.2	0.8	0.0	7.4
3	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	20.0	2.4	0.0	6.0
4	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.9	1.2	0.0	2.3
5	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	4.1	0.0	0.0
6	0.0	0.0	0.0	0.0	9.4	0.0	20.9	0.8	12.5	81.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.7	0.0	0.0	35.0	0.0
10	0.0	0.0	0.0	9.2	0.0	12.0	0.0	0.0	3.6	19.5	0.0	0.0
11	0.0	0.0	0.0	0.0	21.0	0.7	0.0	30.1	9.4	32.0	0.0	0.0
12	0.0	0.0	0.0	0.0	3.3	1.2	0.0	2.3	1.3	0.0	17.4	0.0
13	0.0	0.0	0.0	0.0	9.0	2.9	12.7	0.0	5.5	0.0	4.9	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	19.7	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	13.2	0.0	65.5	0.0	6.7	0.0	0.0
16	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	51.6	27.0	0.0	0.0
17	0.0	0.0	0.0	0.0	13.8	6.3	3.7	11.5	2.8	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	24.8	0.0	13.3	0.0	11.6	0.0	5.3	0.0
19	0.0	0.0	0.0	0.0	7.8	34.1	0.0	0.0	3.7	0.0	1.3	0.0
20	0.0	0.0	19.7	0.0	0.9	0.0	0.0	6.5	6.5	5.9	0.7	0.0
21	0.0	0.0	0.0	8.6	2.9	0.0	5.8	6.3	9.1	2.6	0.0	0.0
22	0.0	0.0	0.0	0.0	20.3	30.3	8.7	1.0	4.6	33.1	0.0	0.0
23	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	23.3	17.8	0.0	1.0	0.0	0.0
25	0.0	0.0	0.0	1.6	0.0	0.0	7.9	0.0	1.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	36.1	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.7	3.7	0.0	3.4	0.0
28	0.0	0.0	0.0	0.0	4.3	0.0	0.0	4.1	0.7	0.0	18.5	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	10.2	0.0
30	0.0		0.0	0.0	0.0	62.0	4.2	33.2	1.5	3.7	1.2	0.0
31	0.0		0.0		8.1		30.4	0.0		0.0		0.0

Data 3.2.5 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Battambang
Hymos Code: 130305 Year: 1999

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	5.2	0.0	3.0	53.2	0.0	5.0	0.0
2	0.0	0.0	0.0	0.0	0.0	26.6	1.4	9.3	2.6	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	2.2	0.0	11.8	0.0	39.9	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	23.5	3.1	22.3	0.0	4.3	0.0	0.0	0.0
5	0.0	0.0	0.0	28.6	5.1	0.0	0.0	0.0	21.9	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	29.7	0.0	2.7	1.1	46.9	0.0	0.0	0.0
7	0.0	0.0	0.0	14.9	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.9	1.1	0.0	0.0	1.8	44.9	10.7	0.0	0.0	0.0
9	0.0	0.0	0.0	10.0	5.0	0.0	0.0	54.3	0.0	0.0	0.0	8.3
10	0.0	0.0	0.0	0.0	0.0	12.4	4.4	3.8	0.0	29.4	0.0	0.0
11	0.0	14.2	0.9	0.0	8.8	0.0	3.6	0.0	3.2	14.4	0.0	0.0
12	0.0	0.0	0.0	0.0	3.2	0.0	3.2	0.0	5.9	4.6	0.0	0.0
13	0.0	0.0	0.0	20.9	0.0	10.7	0.0	5.9	20.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	1.6	0.7	5.0	64.8	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	1.2	6.8	1.5	10.6	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	3.9	3.5	1.0	3.9	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	60.1	22.0	0.0	15.0	7.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	7.6	0.0	5.7	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	103.4	0.0	0.0	1.7	3.6	11.5	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	4.6	0.0	2.3	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	4.7	2.1	6.5	8.6	0.0	0.0	0.0
23	0.0	0.0	0.0	22.9	6.1	6.2	0.0	0.9	3.4	0.0	0.0	0.0
24	0.0	1.4	0.0	2.8	0.0	20.7	0.0	0.0	3.9	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	2.1	7.1	0.0	6.4	19.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.5	1.0	0.0	0.0	0.0
27	0.0	0.0	0.0	1.4	0.0	2.4	3.6	8.8	0.7	5.7	0.0	0.0
28	0.0	0.0	0.0	10.1	0.0	1.3	0.0	0.0	77.9	24.8	0.0	0.0
29	0.0		40.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	14.8	0.0	2.5	0.0	3.5	0.0	4.7	11.3	0.0
31	0.0		0.0		0.0		22.1	6.1		2.2		0.0

Data 3.2.6 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Battambang
Hymos Code: 130305 **Year:** 2000

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.3	0.0	17.8	6.9	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	12.6	8.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	4.0	0.0	1.4	0.0	14.9	0.0	0.0	0.0
4	0.0	0.0	0.0	3.1	23.8	1.2	0.0	1.8	4.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	4.8	0.0	0.0	6.0	2.4	0.0	33.4	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.1	5.5	0.7	0.0	0.0
7	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	14.8	0.0	0.0	8.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	30.5	23.2	0.0	0.0	5.3	0.0	14.1	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.9	19.0	0.0	0.0
11	0.0	0.0	0.0	0.0	5.4	0.0	0.0	4.6	38.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	6.2	0.0	0.0	58.3	1.7	15.9	0.0	0.0
13	0.0	24.7	0.0	0.0	0.0	0.0	30.5	1.6	44.1	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	3.0	2.9	27.2	3.2	31.6	0.0	0.0
15	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	4.4	13.7	0.0	0.0
16	0.0	0.0	0.0	2.1	17.3	0.0	4.4	2.8	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	15.9	0.0	0.0
18	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	31.7	13.8	0.0	0.0
19	0.0	0.0	0.0	1.1	0.0	6.6	0.0	0.0	49.9	0.0	0.0	0.0
20	0.0	0.0	0.0	4.1	0.0	2.7	0.0	0.0	3.1	0.0	0.0	0.0
21	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	21.2	0.0
22	0.0	0.0	0.0	0.0	25.8	3.1	32.9	0.0	56.7	9.6	4.0	0.0
23	0.0	0.0	0.0	0.0	23.9	0.0	8.3	0.0	2.7	2.7	0.0	0.0
24	0.0	0.0	0.0	1.9	0.0	0.0	0.0	8.9	3.8	7.4	0.0	0.0
25	0.0	0.0	0.0	29.4	3.8	0.0	0.0	60.3	1.4	6.8	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	18.7	16.7	1.7	1.1	15.0	0.0
27	0.0	0.0	0.0	0.0	5.5	0.0	4.1	0.0	4.0	24.6	4.1	0.0
28	0.0	0.0	43.9	0.0	16.2	0.0	0.0	0.0	31.6	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.7	0.0	65.7	0.0	0.0	0.0	0.0
30	0.0		23.9	0.0	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.9	0.0		0.0		0.0

Data 3.3.1 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Maung Russey
Hymos Code: 120303 **Year:** 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	18.4	0.0	0.0	0.0	35.6	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	28.0	6.8	0.0	0.0	26.8	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	43.3	0.0	0.0	0.0
6	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	37.4	73.1	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	23.5	0.0	0.0	0.0	12.9	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	21.5	7.1	0.0	0.0
9	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	44.3	38.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	27.1	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	47.5	0.0	0.0
13	0.0	0.0	0.0	0.0	41.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0
14	0.0	0.0	0.0	0.0	30.4	9.3	20.6	0.0	0.0	0.0	4.2	0.0
15	0.0	0.0	0.0	0.0	0.0	11.8	36.7	10.2	0.0	0.0	16.2	0.0
16	0.0	0.0	0.0	0.0	0.0	3.6	0.0	2.2	49.8	0.0	0.0	0.0
17	0.0	0.0	0.0	63.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	9.7	0.0
20	0.0	0.0	0.0	4.1	0.0	0.0	0.0	20.7	23.3	78.8	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	39.2	0.0	0.0	0.0
22	0.0	0.0	0.0	4.1	0.0	0.0	4.6	17.6	30.6	0.0	3.3	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.8	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	10.7	0.0	41.8	0.0	0.0	0.0	0.0	0.0
26	0.0	27.0	0.0	0.0	0.0	0.0	3.3	0.0	2.5	68.1	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0
28	0.0	0.0	44.2	0.0	0.0	0.0	76.7	0.0	4.3	10.7	6.1	0.0
29	0.0		0.0	0.0	0.0	0.0	37.6	0.0	3.6	13.4	6.1	0.0
30	0.0		0.0	0.0	0.0	11.0	0.0	0.0	0.0	38.6	0.0	7.4
31	0.0		0.0		0.0		0.0	0.0		42.5		2.5

Data 3.3.2 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Maung Russey
Hymos Code: 120303 Year: 1992

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	2.4	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.1	5.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.8	0.0	0.0
4	0.0	0.0	0.0	9.0	14.2	0.0	0.0	0.0	14.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.7	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	27.4	35.9	5.3	0.0
7	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	3.8	11.1	0.0	0.0
8	0.0	0.0	0.0	0.0	24.5	0.0	0.0	0.0	5.4	6.7	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	37.3	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0
13	0.0	0.0	0.0	3.1	0.0	27.8	0.0	13.6	38.4	0.0	18.8	0.0
14	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	3.9	3.0	7.3
15	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0	0.0	15.9	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	9.3	11.7	34.8	14.7	0.0	0.0
17	0.0	0.0	0.0	0.0	18.5	0.0	4.7	0.0	12.5	0.0	0.0	0.0
18	0.0	0.0	0.0	81.1	39.3	11.6	0.0	7.1	7.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	29.0	31.0	0.0	5.3	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	25.9	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	38.8	23.1	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	21.6	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	29.8	0.0	0.0	20.2	31.4	0.0	0.0	0.0
25	0.0	0.0	0.0	18.4	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	27.8	0.0	27.2	0.0	28.0	0.0	0.0	5.6
27	0.0	0.0	0.0	0.0	15.9	0.0	0.0	0.0	5.7	13.4	0.0	0.0
28	0.0	0.0	0.0	0.0	14.7	0.0	41.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	6.7	0.0	0.0	2.6	0.0	34.6	0.0	16.4
30	0.0		0.0	0.0	0.0	9.4	20.3	0.0	0.0	92.9	13.9	0.0
31	0.0		0.0		0.0		4.9	2.4		37.9		0.0

Data 3.4.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kompomg Kdei
Hymos Code: 130405 Year: 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.0	0.0	30.6	0.0	27.2	0.0	17.6	1.3
2	0.0	0.0	0.0	0.0	0.0	16.2	7.5	0.0	1.8	0.0	22.9	0.0
3	1.6	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	18.0	0.0
4	0.0	0.0	0.0	0.0	6.3	20.0	5.8	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	54.3	0.0	0.0	7.0	0.0	10.5	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	5.5	0.0	7.8	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	14.4	0.0	4.8	0.0	19.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	35.6	0.0	21.2	7.2	11.1	0.0	0.0	0.0
9	0.0	2.8	0.0	0.0	1.0	3.3	0.0	0.0	3.1	3.8	0.0	0.0
10	0.0	0.0	0.0	1.5	9.2	0.0	0.0	0.0	5.3	0.0	12.3	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	63.3	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	1.1	3.5	0.0	0.0	0.0	0.8	0.0	13.7	0.0
16	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	18.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	51.4	0.0	0.0	0.0	0.0	9.7	0.0	0.0
18	0.0	0.0	0.0	0.9	0.0	0.0	3.6	0.0	0.0	15.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0
20	0.0	0.0	0.0	1.6	0.0	22.7	0.0	0.0	9.6	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
22	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	2.1	17.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	20.5	0.0
24	0.0	0.0	4.9	0.0	0.0	15.5	8.3	0.0	1.1	6.4	0.0	0.0
25	0.0	0.0	16.9	0.0	0.0	5.9	3.2	0.0	12.7	0.0	15.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.4	40.7	1.2	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	1.1	26.9	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		79.7	0.0	0.0	0.0	5.0	0.0	12.7	14.3	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	93.8	0.0	26.4	27.9	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		51.9		0.0

Data 3.4.2 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Kompomg Kdei
Hymos Code: 130405 **Year:** 1992

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	1.2	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.7	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.9	0.0	5.2	0.0	0.0	33.0	0.7	0.0	0.0
5	0.0	0.0	0.0	18.5	0.0	19.0	0.0	0.0	0.0	2.0	0.0	0.0
6	0.0	0.0	0.0	34.1	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	4.4	0.0	58.6	1.6	25.4	0.0	0.0	0.0
9	0.0	0.0	0.0	8.3	0.0	0.0	3.3	0.0	0.0	6.1	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	21.2	0.0	15.3	15.6	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	35.5	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	17.1	1.3	0.0	0.0	0.9	31.8	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	22.8	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	11.9	0.0
17	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
18	0.0	0.0	4.4	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.6	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	36.9	4.2	25.5	22.9	27.9	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	1.2	9.2	1.7	8.1	6.1	0.0	1.0	0.0	0.0
23	0.0	0.0	0.0	0.0	47.8	0.0	83.1	1.1	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	5.3	1.9	10.5	32.5	0.0	0.0	0.0
25	0.0	0.0	3.1	0.0	0.0	0.0	15.3	33.3	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	76.1	27.8	0.0	0.0	12.3	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	2.0	48.7	0.0	8.4	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
29	0.0		0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0
30	0.0		0.0	0.0	10.5	0.0	0.0	22.0	0.0	3.7	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0

Data 3.4.3 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Kompomg Kdei
Hymos Code: 130405 **Year:** 1993

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	0.0	14.1	0.0
2	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	17.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	9.9	14.1	0.0	0.0
5	0.0	0.0	15.7	0.0	0.0	0.0	0.0	21.5	5.8	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	36.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	7.0	15.8	0.0	1.3	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	70.1	6.2	0.0	2.4	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	19.0	7.2	2.9	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	23.1	22.7	2.7	23.5	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.6	0.0	0.0	19.4	0.0
12	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.8	0.0
13	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	1.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	14.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.9	0.0	0.0	1.4
18	0.0	0.0	0.0	6.9	15.5	0.0	0.0	0.0	1.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	1.3	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.1	12.3	0.9	3.7	0.0	0.0	0.0
22	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5	0.0	0.0	0.0
24	0.0	0.0	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	19.3	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	5.2	6.5	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	10.4	0.0	0.0	64.1	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	29.9	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		1.1		0.0

Data 3.4.4 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompomg Kdei**
Hymos Code: **130405** **Year:** **1994**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	8.3	0.0	6.7	58.9	49.6	11.9	0.0
2	0.0	0.0	0.0	0.0	0.0	28.9	2.4	13.2	4.5	7.7	0.0	0.0
3	0.0	0.0	0.0	0.0	1.6	0.0	14.8	0.0	37.2	1.1	0.0	0.0
4	0.0	0.0	0.0	0.0	33.8	5.5	28.2	0.0	8.2	3.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	29.6	15.1	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.2	7.7	0.0	0.0
7	0.0	0.0	0.0	26.4	0.0	0.0	2.9	0.0	0.0	12.5	0.0	0.0
8	0.0	0.0	0.0	1.1	0.0	0.0	3.1	0.0	16.9	1.9	0.0	0.0
9	0.0	0.0	0.0	19.1	0.0	0.0	39.7	0.0	10.1	24.5	0.0	5.5
10	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	21.0	0.0	0.0	0.0
11	0.0	11.0	1.1	0.0	10.7	0.0	0.0	5.6	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	2.2	0.0	0.0	1.3	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	34.8	0.0	15.1	2.7	0.0	0.0	19.4	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	17.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.2	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	38.1	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	9.8	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	37.4	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
24	0.0	1.0	0.0	3.5	0.0	0.0	69.8	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	9.0	0.0	5.9	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
28	0.0	0.0	0.0	19.3	0.0	0.0	0.0	0.0	0.0	27.4	0.0	0.0
29	0.0		0.0	0.0	0.0	1.1	0.0	0.0	21.9	0.0	0.0	0.0
30	0.0		31.0	26.3	0.0	0.0	0.0	6.0	1.5	6.8	20.0	0.0
31	0.0		0.0		0.0		28.0	9.4		2.3		0.0

Data 3.4.5 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompomg Kdei**
Hymos Code: **130405** **Year:** **1995**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	9.3	0.0	0.0	7.1	0.0	0.0	0.9	26.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	7.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	14.4	7.4	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0	5.8	65.0	0.0	0.0
5	0.0	33.0	0.0	0.0	0.0	0.0	16.5	99.1	0.0	0.0	0.0	0.0
6	0.0	1.5	0.0	0.0	1.1	0.0	0.0	0.0	0.0	13.6	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	9.3	0.0
8	0.0	33.2	0.0	25.9	0.0	14.6	0.0	0.0	0.0	1.9	0.0	0.0
9	0.0	0.0	0.0	1.2	27.5	5.3	0.0	0.0	9.4	2.7	0.0	0.0
10	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	2.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	5.8	8.8	99.8	23.7	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.1	0.0	0.0	11.9
16	0.0	0.0	0.0	0.0	0.0	4.1	0.0	28.7	22.1	59.6	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	9.0	1.1	0.0	0.0
18	0.0	0.0	0.0	0.0	9.8	0.0	1.3	4.3	4.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	65.4	66.2	39.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0
21	0.0	5.8	0.0	0.0	0.0	0.0	0.0	2.0	0.9	9.7	0.0	0.0
22	0.0	0.0	0.0	40.8	0.0	0.0	3.4	30.0	27.4	14.3	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	16.1	0.0	1.1	0.0	0.0	0.0
24	0.0	0.0	0.0	4.1	0.0	0.0	0.0	29.6	6.2	4.4	0.0	0.0
25	0.0	0.0	0.0	1.4	0.0	35.3	1.4	0.0	1.2	0.0	22.9	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	61.1	30.0	35.9	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	31.6	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	13.2	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	3.9	0.0	11.2	0.0	0.0
30	0.0		0.0	0.0	7.4	0.0	0.0	0.0	0.0	11.2	0.0	0.0
31	0.0		0.0		43.3		0.0	6.6		32.9		0.0

Data 3.4.6 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kompomg Kdei
Hymos Code: 130405 Year: 2000

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	86.6	13.0	1.6	0.0	9.2	8.0	0.0
2	0.0	0.0	0.0	0.0	0.0	1.4	22.2	0.0	0.0	0.7	17.1	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.0	9.8	0.0
4	0.0	0.0	0.0	23.6	0.0	0.0	4.7	8.4	1.1	0.6	0.0	0.0
5	0.0	0.0	13.0	0.0	0.0	13.1	12.0	7.3	2.3	4.5	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	8.7	93.7	0.0	2.7	6.8	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	2.5	82.3	0.0	26.9	3.9	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	25.5	1.8	0.0	0.0
9	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	13.7	3.2	1.7	0.0	0.0	0.0
11	0.0	0.0	0.0	25.5	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0
13	0.0	0.0	0.0	44.4	7.7	0.0	36.8	0.0	0.0	23.1	0.0	0.0
14	0.0	0.0	0.0	13.5	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	70.7	5.8	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.2	21.2	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	7.9	0.0	0.0	0.0
19	0.0	0.0	9.8	0.0	0.0	0.0	13.7	7.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	1.1	0.0	12.7	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	19.7	12.1	0.0	0.8	26.6	0.0	0.0	6.4	0.0	0.0
23	0.0	0.0	1.3	0.0	0.0	7.9	26.3	0.0	0.0	1.8	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	28.2	0.0	0.0
26	0.0	0.0	0.8	0.0	0.0	0.0	7.6	0.0	0.9	0.0	16.0	0.0
27	0.0	3.6	0.0	0.0	0.0	73.2	3.2	9.5	0.8	0.0	0.0	0.0
28	0.0	0.0	0.0	1.3	0.0	0.0	12.4	16.0	0.0	6.7	0.0	0.0
29	0.0		0.0	0.0	0.0	22.6	3.4	7.4	0.0	24.9	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	8.9	22.0	0.0	35.2	0.0	0.0
31	0.0		0.0		0.0		17.6	0.0		8.8		0.0

Data 3.5.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kompong Chhnang
Hymos Code: 120401 Year: 1993

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.1	81.2	0.0	0.0
2	0.0	0.0	0.0	1.8	7.4	0.0	6.8	33.1	5.8	9.9	16.6	0.0
3	0.0	0.0	0.0	0.0	10.4	0.0	0.0	21.0	2.1	6.8	11.1	0.0
4	0.0	0.0	2.6	0.0	0.0	0.0	0.0	28.6	40.1	9.6	37.2	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	14.7	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	1.3	18.5	21.8	0.0	27.6	0.0
7	0.0	0.0	0.0	0.0	3.9	0.0	9.8	0.0	7.5	2.4	0.0	0.0
8	0.0	0.0	0.0	0.0	21.8	0.0	0.0	2.3	7.1	4.8	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	36.8	0.0	0.0
10	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	13.1	0.0	13.2	0.0
11	0.0	0.0	0.0	50.7	0.0	0.0	0.0	11.9	28.2	0.0	27.7	0.0
12	0.0	0.0	0.0	0.0	2.4	0.0	0.0	61.0	13.6	38.7	0.0	0.0
13	0.0	0.0	0.0	0.0	30.4	0.0	0.0	1.5	1.5	7.5	0.0	0.0
14	0.0	0.0	0.0	0.0	61.6	0.0	17.8	2.5	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	10.8	33.9	0.0	0.0	12.8	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	38.7	11.5	1.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	13.3	0.0	4.4	103.6	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	2.2	6.8	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	20.2	0.0	0.0	0.0
22	4.3	0.0	0.0	0.0	0.0	25.8	0.0	0.0	22.5	0.0	0.0	0.0
23	2.6	0.0	0.9	0.0	0.0	2.8	0.0	17.9	5.5	10.7	0.0	0.0
24	0.0	0.0	0.0	3.1	0.0	31.6	0.0	3.2	9.0	28.5	18.4	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	16.3	19.0	11.8	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.0	0.0	10.3	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	3.9	10.4	0.0	0.0
31	0.0		0.0		0.0		0.0	28.8		0.0		0.0

Data 3.6.1 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Tralach**
Hymos Code: **110405** **Year:** **1991**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	1.9	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	14.3	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	25.5	0.0	5.4	0.0	0.0	0.0
5	0.0	42.6	0.0	0.0	0.0	0.0	15.2	51.8	0.0	9.4	0.0	0.0
6	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	22.3	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	5.6	0.0
8	0.0	0.0	0.0	19.4	0.0	18.0	0.0	0.0	24.6	0.0	0.0	0.0
9	0.0	0.0	0.0	1.6	29.1	8.3	0.0	19.5	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	20.1	0.0	0.0	7.5	0.0	8.1	0.0	0.0
11	0.0	0.0	0.0	0.0	1.4	0.0	0.0	2.6	0.0	1.2	0.0	0.0
12	0.0	0.0	0.0	0.0	22.8	0.0	0.0	14.4	4.7	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	22.7	15.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	8.8	10.1	0.0	0.0	0.0	18.1	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
16	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	53.7	4.7	0.0
17	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	13.8	0.0
18	0.0	0.0	0.0	0.0	14.4	0.0	1.5	5.3	0.0	40.4	8.2	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	49.2	45.4	0.0	24.1	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	14.7	3.1	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	34.1	10.8	0.0	0.0	30.2	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	38.0	0.0	0.0
24	0.0	0.0	0.0	4.9	0.0	0.0	19.4	29.8	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.0	5.6	12.6	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.1	0.0	2.2	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	13.6	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	18.8	5.0	24.7	11.9	0.0	0.0
30	0.0		0.0	0.0	11.8	0.0	8.4	0.0	27.4	0.0	0.0	0.0
31	0.0		0.0		66.3		0.0	7.0		0.0		0.0

Data 3.6.2 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Tralach**
Hymos Code: **110405** **Year:** **1992**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	61.4	13.0	0.0	0.0	10.2	5.5	0.0
2	0.0	0.0	0.0	0.0	0.0	3.1	18.4	3.6	0.0	1.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.5	0.0	0.0
4	0.0	0.0	0.0	17.3	0.0	0.0	0.0	8.7	2.2	1.0	5.8	0.0
5	0.0	0.0	11.5	0.0	0.0	16.5	0.0	7.6	3.2	7.2	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	8.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	6.2	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
9	0.0	0.0	0.0	3.4	0.0	0.0	10.9	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	28.1	0.0	0.0
11	0.0	0.0	0.0	19.0	0.0	0.0	1.6	0.0	41.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	6.7	5.5	9.5	10.2	0.0	0.0
13	0.0	0.0	0.0	37.9	12.3	0.0	0.0	30.2	5.3	21.4	0.0	0.0
14	0.0	0.0	0.0	8.6	0.0	0.0	0.0	19.8	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	52.7	0.0	29.6	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	8.2	0.0	0.0	0.0
19	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	2.9	0.0	0.0	11.3	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	11.6	0.0	0.0	16.6	9.3	24.6	0.0	0.0	0.0
22	0.0	0.0	23.4	7.5	0.0	2.1	0.0	2.6	0.0	7.6	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	2.8	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	9.1	0.0
27	0.0	0.0	0.0	0.0	0.0	54.1	0.0	9.8	1.8	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	9.1	0.0	0.0	16.4	0.0	7.8	0.0	0.0
29	0.0		0.0	0.0	0.0	25.0	0.0	7.6	0.0	22.8	10.8	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	22.3	0.0	30.1	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		9.8		0.0

Data 3.6.3 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Tralach**
Hymos Code: **110405** **Year:** **1993**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	15.1	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	12.3	0.0	0.0	62.4	2.5	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	63.8	0.0	0.0	0.0
5	0.0	0.0	0.0	67.8	0.0	9.4	0.0	3.5	2.7	4.8	0.0	0.0
6	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	18.7	0.0	4.6	15.9	0.0	5.0	0.0
8	0.0	0.0	0.0	0.0	13.9	0.0	7.4	14.4	7.7	0.0	51.1	0.0
9	0.0	0.0	0.0	0.0	33.7	0.0	14.0	0.0	45.3	0.0	1.9	0.0
10	0.0	15.7	0.0	0.0	0.0	0.0	19.8	0.0	31.1	26.6	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	11.2	8.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
13	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	20.3	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	9.4	7.7	18.8	4.1	0.0	0.0
17	0.0	0.0	0.0	0.0	16.3	0.0	2.7	7.6	3.5	2.6	7.9	0.0
18	0.0	0.0	0.0	0.0	0.0	13.0	14.2	0.0	0.0	0.0	13.2	0.0
19	0.0	0.0	0.0	0.0	0.0	26.1	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	25.0	0.0	6.2	0.0	0.0	8.9	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	7.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4	0.0	2.0	0.0	0.0
24	2.1	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	20.7	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.3	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.6	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.1	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	7.9	16.4	9.6	0.0	6.1	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0

Data 3.6.4 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Tralach**
Hymos Code: **110405** **Year:** **1994**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	21.1	50.1	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	17.1	7.1	0.0
3	0.0	0.0	0.0	0.0	0.0	16.4	0.0	9.2	0.0	5.9	3.2	0.0
4	0.0	0.0	0.0	4.1	0.0	17.9	0.0	14.3	4.8	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	10.4	6.3	0.0	3.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	8.2	10.2	0.0	2.8	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	10.4	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	9.5	0.0	7.3	7.4	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	7.4	0.0	0.0	0.0	8.2	18.4	6.9	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	3.9	8.5	0.0	23.0	11.2	18.5
12	0.0	0.0	0.0	0.0	0.0	14.7	3.3	0.0	0.0	1.4	0.0	0.0
13	0.0	0.0	0.0	0.0	10.2	0.0	6.9	0.0	0.0	9.4	10.3	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	1.6	11.2	5.3	0.0	6.0	0.0
15	0.0	0.0	0.0	0.0	7.6	0.0	62.7	52.4	12.9	25.3	0.0	0.0
16	0.0	0.0	0.0	0.0	1.7	0.0	0.0	2.5	3.0	0.0	5.5	0.0
17	0.0	0.0	0.0	0.0	0.0	18.3	0.0	0.0	8.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	39.3	0.0	0.0	12.3	1.4	0.0	0.0
19	0.0	0.0	0.0	0.0	10.9	0.0	0.0	2.3	23.5	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	3.1	0.0	0.0	4.5	1.8	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	77.4	19.9	23.0	21.2	0.0	54.5	15.8	0.0
22	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	12.4	0.0	0.0	6.9
23	0.0	0.0	0.0	0.0	0.0	55.6	0.0	24.5	0.0	0.0	0.0	11.4
24	0.0	0.0	0.0	0.0	18.1	5.3	0.0	0.0	0.0	0.0	0.0	0.5
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	8.2	0.0	2.7	0.0	0.0	3.9	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	43.2	18.3	17.6	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	10.6	38.2	30.8	11.7	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		43.2		0.0

Data 3.6.5 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kompong Tralach
Hymos Code: 110405 Year: 1995

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	11.7	0.0	0.0	5.9	68.4	27.3	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	21.5	0.0	0.0	19.5	0.0	0.0
3	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	11.0	10.3	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	2.9	0.0	25.6	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	7.5	0.0	0.0	2.8	2.1	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	2.6	0.0	0.0	0.0
10	0.0	0.0	0.0	3.6	0.0	22.7	0.0	0.0	14.8	0.0	10.6	0.0
11	0.0	0.0	0.0	0.0	0.0	8.6	5.3	0.0	4.1	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	7.3	0.0	3.1	18.2	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	7.6	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	29.0	0.0	3.9	20.8	21.8	18.2	0.0
15	0.0	0.0	0.0	0.0	15.9	46.1	0.0	19.3	3.7	10.7	1.6	0.0
16	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	2.1	0.0
17	0.0	0.0	0.0	0.0	0.0	24.6	14.5	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.0	0.0	2.3	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	14.4	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	4.7	0.0	0.0	56.0	0.0	55.4	0.0	0.0
21	0.0	0.0	0.0	0.0	2.1	0.0	0.0	9.3	0.0	3.2	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	22.8	0.0	0.0	2.0	0.0	0.0	0.0
23	0.0	0.0	0.0	4.0	0.0	12.7	19.5	0.0	11.0	29.5	9.9	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	50.7	26.3	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	2.1	0.0	22.6	33.5	21.4	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	1.2	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	4.4	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	23.5	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0
31	0.0		24.7		24.4		5.3	16.9		16.4		0.0

Data 3.7.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Pochentong
Hymos Code: 110475 Year: 1995

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	5.6	0.0	5.0	0.0	0.0	10.3	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.3	1.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	1.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	87.8	21.4	0.0	0.0
5	0.0	0.0	0.0	63.3	0.0	0.0	0.0	0.0	1.0	0.0	40.1	0.0
6	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0
7	0.0	0.0	0.0	0.0	0.0	9.3	0.0	1.3	11.1	1.0	0.0	0.0
8	0.0	0.0	0.0	0.0	6.4	0.0	3.2	9.0	3.9	1.6	0.0	0.0
9	0.0	0.0	0.0	0.0	21.3	0.0	9.4	0.0	45.4	21.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	17.2	0.0	29.2	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	17.0	2.9	78.0	0.0	6.1	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	9.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	7.4	0.0	8.1	0.0	24.9	10.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	56.2	0.0	39.9	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	34.9	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.0	14.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	8.0	0.0	1.0	3.9	1.5	0.0	5.9	0.0
18	0.0	0.0	0.0	0.0	0.0	5.3	9.7	0.0	0.0	15.1	16.6	0.0
19	0.0	0.0	0.0	0.0	2.2	15.6	0.0	0.0	1.3	15.8	0.9	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	1.9	0.0	1.1	0.0
21	0.0	0.0	0.0	0.0	10.4	0.0	0.0	13.6	23.2	25.1	1.3	0.0
22	0.0	0.0	0.0	0.0	0.0	2.5	30.2	0.0	18.9	0.0	9.4	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	5.0	21.2	8.6	0.0	0.0	0.0
24	1.2	0.0	0.0	0.0	0.0	5.2	0.7	1.1	25.7	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	4.6	19.2	22.0	9.5	9.9	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	15.8	0.6	0.0	2.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	6.5	15.9	0.8	1.9	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	0.0	0.0
29	0.0		0.9	0.0	0.0	0.0	0.0	15.7	3.9	7.5	0.0	0.0
30	0.0		0.0	0.0	15.7	2.5	12.4	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		3.3		0.0	0.0		17.2		0.0

Data 3.7.2 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Pochentong
Hymos Code: 110475 Year: 1996

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	15.8	20.5	2.5	0.0	69.5	0.0	0.0
2	0.0	0.0	20.2	0.0	0.0	0.0	1.9	6.7	0.0	17.8	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	18.8	60.3	0.0	0.0
4	0.0	0.0	0.0	0.0	20.5	0.0	5.4	0.0	5.1	15.3	1.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	21.9	4.1	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.7	66.0	0.0	0.0
7	0.0	0.0	0.0	0.0	7.8	3.3	10.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	22.3	0.0	2.4	23.2	1.9	0.7	0.0	11.9	0.0	0.0
10	0.0	0.0	0.0	0.0	5.0	9.5	0.0	11.1	2.3	0.0	0.0	0.0
11	0.0	0.0	15.9	0.0	0.0	0.0	16.4	0.8	0.0	0.0	0.0	0.0
12	0.0	0.0	51.8	0.0	0.0	4.7	13.8	0.0	0.0	0.7	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	1.2	0.0	0.0	0.0
14	0.0	0.0	0.0	14.6	0.0	5.7	0.0	11.4	10.9	3.2	0.0	0.0
15	0.0	0.0	0.0	7.0	5.9	0.0	0.0	17.6	35.9	0.0	0.0	0.0
16	0.0	0.0	0.0	4.5	0.0	0.0	0.0	29.8	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	0.0	2.7	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	4.0	53.8	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.7	0.0	17.2	1.1	0.0
21	0.0	0.0	0.0	6.7	0.7	0.0	0.0	8.3	0.0	3.6	0.0	0.0
22	0.0	0.0	0.0	6.7	0.0	0.0	5.9	0.7	26.2	6.3	0.0	0.0
23	0.0	0.0	0.0	0.0	1.3	0.0	1.4	9.4	16.7	21.6	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	76.2	6.3	0.0	9.7
25	0.0	0.0	0.0	1.6	0.0	0.0	10.1	1.1	2.9	2.2	0.0	0.0
26	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	7.3	19.8	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0		0.0	3.8	0.0	0.0	3.9	23.1	15.6	0.0	15.5	0.0
30	0.0		0.0	0.0	2.7	0.0	5.7	1.4	0.0	3.2	0.0	0.0
31	0.0		0.0		0.0		1.3	25.1		56.0		0.0

Data 3.7.3 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Pochentong
Hymos Code: 110475 Year: 1997

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.0	6.3	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	1.4	18.5	0.0	21.3	0.0	0.0
3	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	2.3	1.4	0.0	0.0
4	0.0	0.0	0.0	0.0	44.2	0.0	8.6	0.0	0.0	0.0	3.6	2.8
5	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	64.0	5.9	0.0	3.5	10.6	68.4	0.0	0.0	0.0
7	0.0	0.0	0.0	3.8	0.0	5.6	12.7	10.8	1.7	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	4.3	0.0	17.5	0.0
9	0.0	0.0	0.0	0.0	23.7	12.6	0.0	1.4	0.0	3.2	3.6	3.6
10	0.0	0.0	0.0	0.0	9.7	2.5	24.6	0.0	33.1	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	37.3	0.0	3.9	0.0	0.0	31.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	2.1	33.2	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	1.2	10.6	5.0	12.1	0.0	0.8	0.0
15	0.0	0.0	0.0	0.0	14.0	0.0	12.5	7.2	1.9	2.8	40.3	0.0
16	0.0	5.4	0.0	0.0	4.7	4.7	33.7	20.9	27.3	1.5	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.3	1.5	6.5	3.1	37.3	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	0.6	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	9.3	0.7	0.0	0.0
20	0.0	0.0	0.0	0.0	20.3	0.0	0.0	9.8	19.8	12.6	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	2.7	2.7	3.9	0.0	30.8	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	4.4	0.0	0.7	1.0	4.9	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	45.3	0.0	11.4	23.6	0.0	11.2	2.8	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.6	0.8	0.0
26	0.0	0.0	0.0	0.0	1.1	4.3	0.0	0.0	16.4	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	4.3	3.9	1.9	0.0	0.0	0.0
28	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.5	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	50.3	24.2	0.0	29.9	0.0	0.0
30	0.0		0.0	0.0	3.0	0.0	0.0	5.3	0.0	7.6	0.0	0.0
31	0.0		0.0		4.9		0.0	0.0		0.0		0.0

Data 3.7.4 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Pochentong
Hymos Code: 110475 Year: 1998

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.8	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	25.4	1.6	0.0	4.4	0.7	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	1.9	0.0	0.0
4	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.8	1.0	0.0	0.0
5	0.0	0.0	0.0	0.0	3.8	8.8	0.0	0.0	0.0	3.6	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	2.8	18.4	0.7	13.9	60.6	0.0	0.0
7	0.0	0.0	0.0	0.0	8.5	5.9	15.6	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	31.3	12.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	5.1	0.0	3.9	0.0	0.6	0.0	0.0	45.7	0.0
10	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	3.8	18.9	0.0	0.0
11	0.0	0.0	0.0	0.0	18.9	0.0	0.0	27.7	10.3	31.9	0.0	0.0
12	0.0	0.0	0.0	0.0	2.2	0.0	0.0	1.6	1.1	0.0	19.5	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	5.8	0.0	4.5	0.0
14	0.0	0.0	0.0	0.0	5.1	18.4	4.3	0.0	0.0	19.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	0.0	6.1	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.7	26.7	0.0	0.0
17	0.0	0.0	5.2	0.0	12.0	5.5	2.2	10.2	2.5	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	22.7	0.0	11.0	0.0	12.8	0.0	4.9	0.0
19	0.0	0.0	0.0	0.0	6.5	28.1	0.0	0.0	3.8	0.0	1.2	0.0
20	0.0	0.0	0.0	0.0	0.9	0.0	0.0	5.7	7.0	5.3	0.6	0.0
21	0.0	0.0	0.0	9.6	2.0	0.0	4.3	5.5	9.9	2.1	0.0	0.0
22	0.0	0.0	0.0	0.0	18.2	23.7	6.8	0.8	4.8	33.0	0.0	0.0
23	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	20.8	16.2	0.0	0.9	0.0	0.0
25	0.0	0.0	0.0	1.3	0.0	0.0	6.1	0.0	1.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	46.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.7	3.9	0.0	2.9	0.0
28	0.0	0.0	0.0	0.0	3.4	0.0	0.0	3.5	0.7	0.0	20.9	0.0
29	0.0		0.0	0.0	0.0	11.9	0.0	0.0	0.0	3.6	10.5	0.0
30	0.0		0.0	0.0	0.0	0.0	3.0	30.4	1.3	2.8	0.0	0.0
31	0.0		0.0		6.7		33.5	0.0		0.0		0.0

Data 3.7.5 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Pochentong
Hymos Code: 110475 Year: 1999

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.1	0.0	21.6	5.1	22.4	0.0	0.0	0.8
2	0.0	0.0	0.0	0.0	0.0	9.9	4.5	0.0	1.1	0.0	0.0	0.0
3	1.4	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	4.5	12.7	3.4	0.0	0.0	0.0	3.2	0.0
5	0.0	0.0	0.0	43.5	0.0	0.0	4.2	25.1	6.3	39.6	0.0	0.0
6	0.0	0.0	0.0	0.0	4.0	0.0	4.7	5.4	0.0	5.7	0.0	0.0
7	0.0	0.0	0.0	0.0	9.6	0.0	2.8	11.5	14.0	26.0	0.0	0.0
8	0.0	0.0	0.0	0.0	28.1	0.0	14.4	0.0	6.8	1.5	0.0	0.0
9	0.0	1.4	0.0	0.0	0.0	1.8	0.0	15.9	1.7	0.0	0.0	0.0
10	0.0	0.0	0.0	1.1	0.0	0.0	0.0	6.6	0.0	28.3	4.8	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.0	45.8	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	7.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.8	0.0	12.5	0.0	0.0
14	0.0	0.0	0.0	0.0	4.2	4.1	0.0	2.0	3.1	0.0	36.0	0.0
15	0.0	0.0	0.0	0.8	0.0	3.8	0.0	0.6	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.9	0.0	16.7	12.9	43.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	2.2	0.0	3.6	0.0	0.0	0.0	0.7
18	0.0	0.0	0.0	0.7	4.3	22.0	1.5	25.4	36.1	0.0	2.7	0.0
19	0.0	0.0	0.0	0.0	12.6	0.0	0.0	6.5	0.0	2.1	0.0	0.0
20	0.0	0.0	0.0	1.1	23.6	14.7	0.0	1.2	5.5	42.6	0.0	0.0
21	0.0	0.0	0.0	0.0	21.2	1.6	6.9	54.7	1.0	16.5	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	19.2	6.4	39.4	1.3	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	2.1	39.8	5.3	6.4	12.3	0.0
24	0.0	0.0	0.0	0.0	0.0	9.4	0.0	2.9	0.8	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	1.7	3.0	0.0	0.0	8.0	13.5	7.2	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.7	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	1.2	0.0	9.4	0.0	0.0	2.8	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	1.1	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0
31	0.0		0.0		0.0		74.2	0.0		0.0		0.0

Data 3.8.1 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Speu**
Hymos Code: **110404** **Year:** **1997**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.9	0.0	0.0	7.4	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	17.2	0.0	0.0	0.0
4	0.0	0.0	0.0	4.3	30.6	0.0	5.2	0.0	6.3	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	1.0	0.0	0.0
7	20.5	0.0	0.0	0.0	0.0	0.0	49.3	0.0	0.0	0.0	0.0	0.0
8	21.0	0.0	0.0	0.0	12.0	15.2	19.7	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	37.8	0.0	0.0	0.0	7.5	0.0	20.8	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	21.6	0.0	0.0
11	0.0	0.0	0.0	0.0	8.6	0.0	0.0	5.4	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	9.7	0.0	0.0	57.5	0.0	18.5	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	5.1	34.1	0.0	0.0
15	0.0	0.0	0.0	2.4	0.0	0.0	0.0	8.2	6.4	16.1	0.0	0.0
16	0.0	0.0	0.0	3.2	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	18.5	0.0	0.0
18	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	31.6	0.0	0.0	0.0
19	0.0	0.0	0.0	1.9	0.0	11.0	0.0	0.0	49.1	6.7	0.0	0.0
20	0.0	0.0	0.0	5.9	0.0	5.9	0.0	0.0	5.0	34.2	0.0	0.0
21	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	27.5	0.0
22	0.0	0.0	0.0	0.0	33.6	6.4	0.0	0.0	0.0	0.0	8.9	0.0
23	0.0	0.0	0.0	0.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	2.9	0.0	0.0	6.0	9.1	6.0	0.0	0.0	0.0
25	0.0	0.0	0.0	28.4	6.4	0.0	0.0	59.7	2.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	22.2	14.8	2.8	0.0	21.8	0.0
27	0.0	0.0	0.0	0.0	8.7	0.0	5.1	0.0	6.0	0.0	9.0	0.0
28	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	31.5	4.3	0.0	0.0
29	0.0		0.0	0.0	0.0	0.8	0.0	65.4	0.0	3.6	0.0	0.0
30	0.0		0.0	0.0	41.1	0.0	0.0	0.0	0.0	21.7	0.0	0.0
31	0.0		5.0		0.0		1.4	0.0		0.0		0.0

Data 3.8.2 Generated Rainfalls for Gap Filling

Country: **Cambodia** **Station:** **Kompong Speu**
Hymos Code: **110404** **Year:** **1998**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	2.0	0.0	28.3	0.0	21.5	8.6	15.7	1.7
2	0.0	0.0	0.0	0.0	0.0	16.6	7.5	0.0	2.1	23.9	20.7	0.0
3	3.3	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	1.5	16.0	0.0
4	0.0	0.0	0.0	0.0	8.8	20.0	5.9	0.0	0.0	10.7	0.0	0.0
5	0.0	0.0	0.0	43.8	0.0	0.0	7.0	0.0	8.2	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	8.1	0.0	7.7	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	16.1	0.0	4.9	0.0	15.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	34.6	0.0	20.0	4.2	0.0	0.0	0.0	0.0
9	0.0	8.3	0.0	0.0	0.0	3.8	0.0	0.0	0.0	5.1	0.0	0.0
10	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	4.7	0.0	10.7	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	1.4	40.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	4.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	34.1	0.0	0.0
15	0.0	0.0	0.0	1.8	5.7	0.0	0.0	0.0	0.0	19.7	12.0	0.0
16	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	14.1	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	68.5	0.0	0.0	0.0	0.0	9.1	0.0	1.1
18	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	30.7	14.8	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	54.3	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	2.4	0.0	22.3	16.5	0.0	7.4	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0
24	0.0	0.0	0.0	0.0	0.0	15.9	8.3	0.0	0.0	5.8	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	6.8	0.0	3.8	0.0	0.0	13.4	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	0.0	37.8	1.6	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	5.1	0.0	0.0	13.7	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	57.2	0.0	0.0	27.9	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		53.1		0.0

Data 3.8.3 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kompong Speu
Hymos Code: 110404 Year: 1999

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	1.5	8.9	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.7	6.2	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	14.8	0.0	0.0	21.7	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	1.5	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	15.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	17.3	0.0	0.0
8	0.0	0.0	0.0	0.0	37.3	0.0	2.4	0.0	0.0	3.4	0.0	0.0
9	0.0	0.0	0.0	6.7	0.0	0.0	7.9	0.7	0.0	5.5	39.9	0.0
10	0.0	0.0	0.0	11.3	0.0	16.9	3.6	0.0	5.5	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	27.6	0.8	4.4	28.3	11.9	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	5.9	1.9	2.6	2.9	0.0	25.8	24.1	0.0
13	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	28.8	10.2	0.0
14	0.0	0.0	0.0	0.0	9.8	0.0	0.0	0.0	13.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	18.1	9.6	65.1	6.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	27.7	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	19.3	10.6	0.0	11.0	0.0	88.6	0.0	0.0
18	0.0	0.0	0.0	0.0	31.7	0.0	0.0	0.0	0.0	13.0	10.7	0.0
19	0.0	0.0	0.0	0.0	11.8	38.1	0.0	0.0	5.6	36.3	2.2	0.0
20	0.0	0.0	0.0	0.0	1.3	0.0	0.0	7.1	8.9	0.0	0.9	0.0
21	0.0	0.0	0.0	10.7	5.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	26.7	35.0	0.0	0.0	6.6	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	1.6	0.0	5.0	7.4	2.2	13.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	2.6	0.0	0.0	0.0	5.2	1.9	11.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	46.7	3.8	1.9	0.9	40.9	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	5.7	7.5	8.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	54.3	0.0	0.0	25.3	25.1	0.0
29	0.0		0.0	0.0	14.9	0.0	0.0	0.0	37.7	0.0	16.8	0.0
30	0.0		0.0	0.0	28.6	57.6	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		14.5		0.0

Data 3.9.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 1995

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	2.5	18.4	0.0	0.9	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	5.2	1.0	0.0	0.0
3	4.4	0.0	0.0	0.0	0.0	19.0	0.0	8.5	22.3	3.4	0.0	0.0
4	0.0	0.0	0.0	0.0	6.9	22.0	0.0	20.7	0.9	1.6	0.0	0.0
5	0.0	0.0	0.0	0.0	9.7	19.5	0.0	6.8	0.0	5.7	0.0	0.0
6	0.0	0.0	0.0	0.0	17.6	5.9	0.0	0.0	14.4	85.7	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	13.0	0.0	23.6	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	26.9	3.4	1.1	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	9.2	0.0	8.4	11.8	0.0	0.0	0.0	37.8	0.0
10	0.0	0.0	0.0	15.7	0.0	0.0	5.8	3.3	0.0	21.5	0.0	0.0
11	0.0	0.0	0.0	0.0	36.2	0.0	7.5	0.0	0.0	32.9	0.0	0.0
12	0.0	0.0	0.0	0.0	7.8	0.0	3.7	0.0	0.0	0.0	17.9	0.0
13	0.0	0.0	0.0	0.0	17.1	0.0	0.0	17.1	0.0	0.0	7.1	0.0
14	0.0	0.0	0.0	0.0	0.0	41.8	0.0	2.4	0.0	21.7	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	8.6	0.0	0.0
16	0.0	0.0	1.3	0.0	0.0	0.0	31.2	0.0	66.6	28.5	0.0	0.0
17	0.0	0.0	0.0	0.0	24.9	12.0	7.5	23.5	3.6	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	41.9	0.0	20.3	2.0	13.4	0.0	7.5	0.0
19	0.0	0.0	0.0	0.0	15.0	55.3	9.4	16.3	4.6	0.0	2.2	0.0
20	0.0	0.0	17.5	0.0	1.0	6.0	8.5	0.0	7.8	7.7	1.2	0.0
21	0.0	0.0	0.0	14.9	6.3	12.1	10.9	0.0	10.6	3.7	0.0	0.0
22	0.0	0.0	1.1	0.0	35.0	0.0	14.8	0.0	5.6	33.8	0.0	0.0
23	0.0	0.0	0.0	0.0	1.3	0.0	0.0	15.3	1.5	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	30.9	0.0	0.0	1.3	0.0	0.0
25	0.0	0.0	0.0	2.5	0.0	0.0	13.7	10.5	1.2	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	1.2	0.0	38.8	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.7	4.6	0.0	5.5	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	18.8	0.0
29	0.0		0.0	0.0	19.1	0.0	0.0	40.2	48.0	5.7	12.2	0.0
30	0.0		0.0	0.0	37.6	123.0	0.0	66.1	1.7	5.3	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		0.0		0.0

Data 3.9.2 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 1996

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	59.9	0.0	0.0	46.8	9.1	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	20.5	0.0	0.0	20.4	1.6	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	15.2	0.0	0.0	1.8	4.6	0.0	2.3	7.1	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	19.1	0.0	0.0	27.5	7.4	0.0
6	0.0	0.0	0.0	3.1	0.0	0.0	23.5	5.5	0.0	6.2	0.0	0.0
7	0.0	0.0	0.0	4.1	0.0	0.0	4.3	22.4	0.0	0.0	0.0	0.0
8	6.3	0.0	0.0	0.0	0.0	0.0	71.6	30.3	0.0	0.0	0.0	0.0
9	0.0	0.0	12.4	0.0	0.0	0.0	10.8	11.5	15.3	6.1	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	13.6	1.6	22.8	45.4	0.0	0.0	0.0
11	0.0	0.0	0.0	53.8	0.0	23.3	10.6	94.7	6.0	3.1	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	6.3	2.8	4.5	7.7	62.4	0.0	0.0
13	0.0	0.0	1.4	0.0	0.0	0.0	14.9	0.0	9.0	6.5	0.0	0.0
14	0.0	0.8	0.0	0.0	0.0	0.0	26.0	0.0	48.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	9.8	0.9	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.1	1.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	8.8	0.0	0.0
18	0.0	0.0	0.8	0.0	0.0	12.8	10.0	1.6	21.9	2.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	43.9	23.7	2.2	0.0	19.4	0.0	0.0
20	0.0	11.1	0.0	0.0	0.0	1.3	20.9	141.0	0.0	0.0	17.5	0.0
21	0.0	0.0	0.0	0.0	30.7	0.0	0.0	0.0	0.0	1.5	0.0	0.0
22	0.0	0.0	0.0	1.2	11.9	6.2	0.0	0.0	0.0	2.5	0.0	0.0
23	0.0	0.0	70.2	0.0	7.7	0.0	2.1	27.1	1.3	24.7	0.0	0.0
24	0.0	1.3	0.0	0.0	0.0	0.0	2.0	8.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	108.8	32.8	1.3	0.0	34.2	0.0	0.0
26	0.0	0.0	0.0	17.6	0.0	25.7	0.0	0.9	0.0	15.5	0.0	7.3
27	0.0	0.0	0.0	2.8	0.0	19.4	0.0	26.9	0.0	14.2	0.0	7.1
28	0.0	0.0	31.9	0.0	0.0	18.1	0.0	6.7	0.0	10.2	0.0	0.0
29	0.0		0.0	0.0	0.0	24.1	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	1.4	0.0	13.9	8.5	0.0	0.0	0.0
31	0.0		0.0		0.0		1.4	28.4		18.8		0.0

Data 3.9.3 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 1997

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	13.8	0.0	0.0	64.3	0.0	8.9	8.8	0.0
2	0.0	0.0	0.0	0.0	0.0	5.3	0.0	25.2	12.6	5.4	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	44.8	3.1	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	6.5	0.0
5	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	4.1	18.1	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0
8	59.5	0.0	4.4	0.0	0.0	0.0	73.6	0.0	0.0	0.0	0.0	0.0
9	8.3	0.0	0.0	0.0	0.0	0.0	22.3	0.0	2.1	5.6	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0	2.1	0.0	0.0	0.0
11	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	1.2	12.6	0.0
12	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	103.6	1.5	0.0
13	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	48.5	0.0	0.0
14	0.0	1.4	0.0	0.0	0.9	84.7	0.0	0.0	0.0	9.6	0.0	0.0
15	0.0	0.0	0.0	13.1	11.6	4.7	0.0	0.0	0.0	1.2	0.0	0.0
16	0.0	0.0	0.9	0.0	20.1	3.2	0.0	0.0	37.0	5.3	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	29.6	0.0	0.0	45.9	0.0	0.0	6.6
18	0.0	0.0	0.0	6.0	22.0	6.1	0.0	0.0	1.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.7	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	1.1	16.2	0.8	2.7	0.0	0.0	0.0
22	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0
24	0.0	0.0	22.4	0.0	0.0	0.0	0.0	2.9	0.0	0.0	20.2	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.7	18.5	0.0	0.0
26	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.8	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	65.6	0.0	0.0	0.0	55.9	0.0	0.0	0.0	0.0	0.0
29	0.0		3.3	0.0	0.0	0.0	6.6	0.0	5.1	10.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	31.3	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		17.8	0.0		1.5		0.0

Data 3.9.4 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 1998

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	2.6	0.0	0.0	0.0	0.0	32.6	80.5	0.0	0.0	1.1
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	0.0	0.0	0.0	1.6
5	0.0	36.5	0.0	0.0	0.0	0.0	0.0	0.0	35.3	0.0	0.0	0.0
6	0.0	2.5	0.0	0.0	2.4	0.0	6.4	0.0	0.0	12.9	0.0	0.0
7	0.0	0.0	1.6	0.0	22.9	0.0	16.0	0.0	0.0	12.6	5.5	0.0
8	0.0	37.1	0.0	22.8	40.8	19.5	4.0	0.0	0.0	2.6	0.0	0.0
9	0.0	0.0	0.0	1.5	0.0	5.7	41.7	0.0	6.2	3.7	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	29.5	0.0	0.7	0.0	0.0	0.0
11	3.5	0.0	0.0	0.0	0.0	0.0	20.3	0.0	2.0	0.0	0.0	0.0
12	0.9	0.0	0.0	0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0
13	5.1	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	14.3	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	6.3	0.0	121.1	18.6	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	4.3	0.0	0.0	20.7
16	0.0	0.0	0.0	0.0	0.0	4.0	0.0	44.4	17.2	77.3	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.8	0.0	8.2	5.9	1.5	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	31.9	0.0	0.0	3.3	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	12.7	10.4	0.0	0.0	34.2	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	39.2	12.9	0.0	0.0	33.8	0.0	0.0	0.0
21	0.0	5.7	0.0	0.0	1.4	11.6	0.0	2.1	0.8	9.2	0.0	0.0
22	0.0	0.0	0.0	36.0	0.0	57.3	4.0	46.4	22.2	13.5	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.8	19.8	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	5.5	0.0	22.2	0.0	45.8	0.0	6.1	0.0	0.0
25	0.0	0.0	0.0	1.8	0.0	0.0	1.2	0.0	0.0	0.0	15.3	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	65.8	55.9	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.4	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	12.5	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	20.7	10.5	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	33.7	23.6	10.6	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		31.8		0.0

Data 3.9.5 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 1999

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	8.8	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	1.4	23.7	0.0	0.0
3	0.0	0.0	0.0	0.0	22.1	0.0	13.9	34.3	0.0	2.4	0.0	0.0
4	0.0	0.0	0.0	0.0	68.3	0.0	0.0	4.0	2.2	0.0	0.0	11.2
5	0.0	0.7	0.0	5.0	10.0	0.0	26.0	37.3	15.2	0.0	7.1	0.0
6	0.0	0.0	0.0	58.3	0.0	0.0	9.5	0.0	75.4	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	55.0	0.0	22.4	0.0	2.4	0.0	0.0	0.0
8	0.0	0.0	0.0	13.0	0.0	5.0	14.7	0.0	5.1	0.0	16.8	0.0
9	0.0	2.3	0.0	1.6	43.4	28.4	6.2	0.0	0.0	6.1	6.2	14.4
10	0.0	0.0	0.0	1.7	20.8	5.3	0.0	1.2	31.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	19.8	45.9	0.0	0.0	0.0	0.0
12	0.0	0.0	6.7	42.1	0.0	8.3	4.6	32.1	0.0	0.0	0.0	0.0
13	0.0	16.5	39.4	0.0	0.0	40.5	6.8	0.0	5.3	0.0	0.0	0.0
14	0.0	0.0	2.8	8.3	0.0	0.0	19.8	0.0	0.0	0.0	1.5	0.0
15	0.0	0.0	0.0	23.7	0.0	0.0	22.1	0.0	0.0	5.3	28.2	0.0
16	0.0	12.2	0.0	0.0	0.0	10.1	48.6	0.0	0.0	2.5	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	5.1	4.4	0.0	0.0	36.4	0.0	0.0
18	0.6	3.8	0.0	0.0	0.0	40.9	45.3	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	12.5	1.9	22.7	0.0	0.0	0.0	0.0
21	0.0	0.0	17.9	0.0	0.0	0.0	52.8	0.0	8.8	12.7	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.2	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	17.3	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.8	0.9	0.0	5.3	0.0
25	0.0	0.0	0.0	39.0	0.0	0.0	13.3	0.0	28.8	0.0	1.4	0.0
26	2.4	0.0	0.0	0.0	1.8	9.4	39.0	0.0	16.7	11.7	0.0	0.0
27	0.5	0.0	0.0	0.0	0.0	0.0	10.9	11.0	2.7	113.6	0.0	0.0
28	0.0	13.9	0.0	0.0	0.0	0.0	29.1	14.0	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		0.0		0.0	0.0		1.1		0.0

Data 3.9.6 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kampot
Hymos Code: 100401 Year: 2000

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	1.7	13.0	12.9	14.1	24.5	58.9	6.4	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	15.9	0.0	0.0
3	0.0	0.0	1.6	0.0	0.0	0.0	15.3	0.0	7.6	2.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	1.5	12.8	0.0	25.6	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	13.7	0.0	0.0	9.9	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	19.1	0.0	13.4	0.0	0.0	0.9
7	0.0	0.0	0.0	31.6	0.0	0.0	4.6	3.9	5.2	3.1	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	24.1	127.3	0.0	2.9	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.8	0.0	14.1
10	0.0	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	13.9	32.3	9.2	0.0	2.2	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.4	5.2	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	1.9	14.4	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	26.3	7.7	0.0	12.8	0.0	72.9	0.0
15	0.0	0.0	0.0	1.7	0.0	15.7	28.1	0.0	1.6	0.0	0.0	0.0
16	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0
17	0.0	0.0	0.0	2.3	0.0	17.7	0.0	0.0	0.0	0.0	13.9	0.0
18	0.0	0.0	0.8	0.0	11.1	0.8	0.0	0.0	3.0	63.4	8.3	0.0
19	0.0	0.0	0.0	1.3	0.0	0.0	0.0	54.9	15.0	14.0	0.0	0.0
20	0.0	12.5	0.0	0.0	0.0	0.0	10.6	5.3	5.3	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	1.9	0.0	0.0	0.0	0.0	2.7	0.0	0.0	1.8	0.0
23	0.0	4.0	0.0	0.0	0.0	51.8	0.0	11.8	0.7	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	39.0	0.0	11.2	24.8	6.9	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	13.1	3.8	0.0	4.6	0.0	0.0
26	0.0	0.0	0.0	20.0	0.0	9.9	8.9	2.4	0.0	5.7	0.0	0.0
27	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.8	0.0	26.0	0.0	0.0
28	0.0	0.0	0.0	20.8	0.0	0.0	0.0	16.5	0.0	13.7	0.0	0.0
29	0.0		0.0	1.8	48.4	0.0	0.0	10.6	11.7	2.1	0.0	0.0
30	0.0		0.0	0.0	1.5	6.4	20.0	33.7	1.4	0.0	0.0	0.0
31	0.0		0.0		10.4		19.4	0.0		22.9		29.0

Data 3.10.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kratie
Hymos Code: 100401 Year: 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	22.3	0.0	0.0	1.4	1.9	5.7	2.0	0.0
2	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	5.2	0.6	0.0	0.0
3	0.0	0.0	0.0	0.0	32.9	12.6	0.0	29.3	0.8	0.9	0.0	0.0
4	0.0	0.0	0.0	16.4	5.4	47.6	4.2	0.0	0.0	0.6	2.3	0.0
5	0.0	0.0	11.5	0.0	7.8	0.0	11.7	0.0	0.0	3.4	0.0	0.0
6	0.0	0.0	0.0	0.0	6.9	0.0	77.0	18.0	2.0	3.8	0.0	0.0
7	0.0	0.0	0.0	0.0	1.3	0.0	70.0	17.4	23.3	2.9	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	1.9	10.4	13.4	21.9	1.5	0.0	0.0
9	0.0	0.0	0.0	2.3	20.6	5.3	0.0	2.5	17.5	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	10.6	76.4	13.5	0.0	1.4	0.0	0.0	0.0
11	0.0	0.0	0.0	18.1	65.3	12.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	1.3	14.4	0.0	5.1	6.2	5.7	0.0	0.0
13	0.0	0.0	0.0	37.4	0.0	22.3	39.0	31.1	3.5	18.8	0.0	0.0
14	0.0	0.0	0.0	7.9	0.7	10.7	20.6	19.8	55.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	8.3	0.0	5.3	30.4	57.3	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.9	0.0	0.7	10.1	11.8	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	22.8	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	8.1	0.0	0.0	0.0	13.5	0.0	3.3	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	1.9	0.0	12.4	10.8	30.5	0.0	0.0	0.0
21	0.0	0.0	0.0	10.7	0.0	0.0	0.0	8.8	22.0	0.0	0.0	0.0
22	0.0	0.0	19.3	6.8	0.0	1.1	28.0	1.3	0.0	3.5	0.0	0.0
23	0.0	0.0	1.5	0.0	0.0	8.4	27.7	2.2	0.0	1.5	0.0	0.0
24	0.0	0.0	14.6	0.0	0.0	0.0	6.4	17.8	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	28.4	1.8	0.0	24.2	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	7.0	31.0	0.8	0.0	5.6	0.0
27	0.0	0.0	0.0	0.0	0.0	62.8	2.0	0.0	0.8	0.0	0.0	0.0
28	0.0	0.0	0.0	1.2	6.9	0.0	12.1	0.0	0.0	3.7	0.0	0.0
29	0.0		0.0	0.0	5.8	25.6	2.2	0.0	0.0	20.7	0.0	0.0
30	0.0		0.0	0.0	0.0	22.6	8.4	0.0	0.0	32.5	0.0	0.0
31	0.0		0.0		5.5		17.8	7.8		5.3		0.0

Data 3.10.2 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Kratie
Hymos Code: 100401 Year: 1995

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
1	0.0	0.0	0.0	6.2	0.0	9.6	0.7	16.8	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	24.4	10.7	0.0	1.3	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	4.8	64.6	14.4	24.4	1.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	41.3	2.6	0.0	20.5	0.0	0.0
5	0.0	0.0	0.0	84.4	0.0	0.0	30.6	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	4.0	0.0	0.0	17.6	32.7	9.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	17.1	8.2	0.0	12.3	1.0	1.9	0.0
8	6.5	0.0	0.0	0.0	11.7	0.0	0.0	0.0	4.6	1.6	45.3	0.0
9	19.8	0.0	0.0	0.0	35.9	0.0	0.0	11.9	45.4	20.7	0.8	0.0
10	2.5	0.0	0.0	0.0	0.0	0.0	0.0	19.8	30.2	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.9	0.0	4.4	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	10.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	13.3	0.0	0.0	17.3	26.1	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	2.1	0.0	0.0	1.2	53.8	0.7	0.0	0.0
15	0.0	0.0	0.0	0.0	23.5	0.0	4.2	12.2	0.9	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	15.4	2.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.4	4.3	0.0
18	0.0	0.0	0.0	0.0	0.0	10.3	0.0	4.8	0.0	0.0	11.5	0.0
19	0.0	0.0	0.0	0.0	4.8	27.2	1.8	13.6	1.7	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77.2	2.5	4.6	0.0	0.0
21	0.0	0.0	0.0	0.0	18.4	0.0	7.9	0.0	24.4	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	5.2	39.7	6.5	20.2	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	15.7	7.8	0.0	9.7	0.0	0.0	0.0
24	0.7	0.0	0.0	0.0	0.0	0.0	0.8	0.0	26.9	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	29.1	0.0	10.6	0.0	0.0	0.0
26	0.0	0.0	0.0	12.6	0.0	0.0	0.7	4.8	2.7	65.6	0.0	0.0
27	0.0	0.0	0.0	7.5	0.0	46.9	9.9	22.3	1.1	0.0	0.0	0.0
28	0.0	0.0	0.0	13.7	0.0	2.6	15.7	13.6	0.0	0.0	0.0	0.0
29	0.0		0.9	0.0	0.0	11.0	42.1	22.0	4.6	0.0	0.0	0.0
30	0.0		0.0	0.0	26.9	0.0	0.0	0.0	0.0	2.9	0.0	0.0
31	0.0		0.0		6.4		1.5	12.9		0.0		0.0

Data 3.11.1 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Stung Treng
Hymos Code: 130501 Year: 1993

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	24.5	0.0	4.7	0.0	0.0	0.0
2	0.0	0.0	0.0	1.1	6.5	0.0	0.0	0.0	4.0	0.0	2.7	0.0
3	0.0	0.0	0.0	0.0	9.8	0.0	5.2	0.0	1.6	0.0	0.0	0.0
4	0.0	0.0	5.8	0.0	0.0	0.0	11.8	0.0	32.6	0.0	0.0	0.0
5	0.0	0.0	0.0	80.5	0.0	62.6	0.0	0.0	0.0	1.2	0.0	0.0
6	0.0	0.0	0.0	5.6	3.6	5.0	0.7	0.0	16.5	3.1	0.0	0.0
7	0.0	0.0	0.0	1.2	0.0	1.6	5.5	2.5	5.1	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	100.2	0.0	1.6	4.9	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	20.4	9.4	0.0	4.8	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	5.9	0.0	34.7	9.4	0.0	0.0	0.0
11	0.0	0.0	0.0	72.1	8.2	0.0	0.0	0.0	22.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.8	19.2	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	12.0	24.9	0.0	1.1	2.6	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	3.1	37.6	4.0	2.1	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	1.9	9.4	0.0	6.7	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	6.3	2.8	0.0	0.0	1.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	15.8	0.0	42.2	0.0	81.9	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	45.6	0.0	0.0	31.2	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	18.5	5.8	15.2	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	23.9	1.0	17.1	0.0	0.0	0.0
23	0.0	0.0	0.5	0.0	0.0	0.0	4.4	16.5	3.9	4.4	0.0	0.0
24	0.0	0.0	0.0	1.6	0.0	0.0	12.5	2.3	6.1	13.5	0.0	0.0
25	0.0	0.0	0.0	0.0	2.1	1.7	0.0	17.6	8.3	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	10.2	10.7	18.6	0.0	0.0	0.0
27	0.0	0.0	9.5	0.0	7.2	105.0	5.3	30.3	9.6	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	27.0	20.1	2.7	4.5	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	7.4	0.0	12.4	5.8	0.0	0.0	0.0	0.0
30	0.0		19.6	0.0	15.6	0.0	0.8	1.4	0.0	4.3	0.0	0.0
31	0.0		0.0		0.0		2.2	28.4		0.0		0.0

Data 3.11.2 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Stung Treng
Hymos Code: 130501 **Year:** 1996

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	11.8	27.3	70.6	0.0	1.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	28.3	12.2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	11.3	3.9	18.8	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	1.0	0.0	0.0	20.5	2.7	0.0	0.7	0.0	0.0
5	0.0	0.0	0.0	13.1	0.0	0.0	8.8	35.3	6.3	1.5	0.0	0.0
6	0.0	0.0	0.0	34.3	19.2	0.0	0.0	24.5	14.1	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	11.7	0.0	0.0	86.7	1.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	8.0	0.0	50.6	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	3.7	0.0	0.0	2.5	16.6	59.0	2.9	0.0	0.0
10	0.0	0.0	0.0	3.9	0.0	0.0	0.0	86.6	3.4	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	28.8	4.6	14.4	16.7	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.6	21.7	162.4	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	4.1	10.0	36.8	26.4	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.7	11.6	3.1	0.0	6.3	0.0
15	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0	15.1	0.0	4.1	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	105.3	0.0	9.8	65.6	1.1	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	12.8	10.1	0.0	8.2	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	8.9	0.0	36.6	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	1.5	0.0	3.4	0.0	28.7	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	38.9	7.8	0.0	0.0	36.7	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	1.2	14.2	0.0	0.0	6.0	0.0	0.9	0.0	0.0
23	0.0	0.0	0.0	0.0	73.8	51.6	0.0	1.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	25.9	0.0	0.0	13.0	28.6	0.0	0.0	0.0
25	0.0	0.0	2.3	0.0	0.0	6.9	15.6	46.8	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	1.6	64.0	36.6	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	9.2	1.3	69.7	0.0	4.2	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	16.0	0.0	162.2	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	3.0	4.3	0.0	8.1	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	15.7	1.0	11.8	0.0	0.0	0.0	0.0	0.0
31	0.0		0.0		25.2		0.0	16.3		75.3		0.0

Data 3.11.3 Generated Rainfalls for Gap Filling

Country: Cambodia **Station:** Stung Treng
Hymos Code: 130501 **Year:** 1997

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	9.0	6.3	4.3	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	19.4	18.3	0.0	66.8	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	21.4	0.0	1.5	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	12.2	0.0	27.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	36.8	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	2.4	0.0	4.2	21.2	19.3	7.3	0.0	0.0
7	0.0	0.0	0.0	0.0	22.1	0.0	12.2	9.8	10.0	7.0	0.0	0.0
8	0.0	0.0	0.0	22.4	39.9	20.0	2.6	2.6	21.8	1.4	0.5	0.0
9	0.0	0.0	0.0	1.2	0.0	6.6	31.7	24.6	0.0	1.8	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	4.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	16.3	0.0	4.6	41.6	19.7	8.2	0.0	0.0
14	0.0	0.0	0.0	0.0	1.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	67.6	0.0	4.8	0.0	0.0	0.0	0.0	5.5
16	0.0	0.0	0.0	0.0	10.8	4.3	3.9	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	15.3	1.0	63.4	6.1	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	12.1	11.3	0.0	96.2	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	38.2	13.8	12.1	6.4	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	1.5	12.5	0.0	1.9	0.0	4.9	0.0	0.0
22	0.0	0.0	0.0	45.6	0.0	56.4	2.6	39.7	0.0	7.7	0.0	0.0
23	0.0	0.0	0.0	0.0	10.4	1.0	16.4	6.7	1.3	0.0	0.0	0.0
24	0.0	0.0	0.0	2.8	22.3	22.5	0.0	0.0	5.3	0.0	0.0	0.0
25	0.0	0.0	0.0	1.4	0.0	0.0	0.8	6.6	1.4	2.1	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	16.5	52.5	0.0	32.0	1.1	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	10.8	4.3	1.4	27.7	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	17.7	0.0	7.5	46.5	7.0	0.0	0.0
29	0.0		0.0	0.0	0.0	7.7	0.0	0.0	0.0	5.8	0.0	0.0
30	0.0		0.0	0.0	11.9	12.7	0.0	28.5	0.0	0.0	0.0	0.0
31	0.0		0.0		63.5		33.7	0.0		0.0		0.0

Data 3.11.4 Generated Rainfalls for Gap Filling

Country: Cambodia Station: Stung Treng
Hymos Code: 130501 Year: 1998

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.7	1.1	1.5	4.3	0.0	1.2	13.3	0.0	0.0
2	0.0	0.0	0.0	0.8	7.1	14.9	0.0	0.0	34.9	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	12.7	24.3	17.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	1.2	14.8	3.7	0.9	4.2	6.8	0.0	0.0
5	0.0	0.0	0.0	0.0	0.9	7.7	0.0	26.6	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	47.9	21.5	43.4	13.5	14.8	55.5	0.0	0.0
7	0.0	0.0	23.2	0.0	10.6	0.0	1.3	3.6	0.0	2.0	7.9	0.0
8	0.0	0.0	0.0	0.0	9.0	40.0	9.5	4.2	8.2	1.4	0.0	2.4
9	0.0	0.0	0.0	0.0	59.6	3.1	10.8	19.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	3.9	0.0	15.8	0.0	7.8	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	2.0	0.0	2.3	6.6	2.2	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	3.3	0.0	4.2	2.7	29.0	7.5	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	4.2	0.0	26.8	0.0	22.2	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	4.8	0.0	0.0	1.8	0.0	0.0	0.0	0.0
17	38.6	0.0	0.0	26.1	6.6	4.0	0.0	14.6	0.0	0.0	0.8	0.0
18	0.0	0.0	12.8	0.0	32.1	0.0	0.0	28.9	0.0	0.0	0.0	0.0
19	12.8	0.0	15.8	0.0	0.0	0.0	0.0	9.9	4.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	20.0	17.9	0.0	5.3	0.0	0.0
21	0.0	0.0	13.5	0.0	0.0	13.6	16.4	0.0	11.2	13.6	0.0	0.0
22	0.0	0.0	0.0	0.0	27.5	1.6	28.9	6.9	0.0	1.1	0.0	0.0
23	0.0	0.0	0.0	0.0	29.3	11.6	10.7	21.7	14.6	0.0	1.0	0.0
24	0.0	0.0	0.0	0.0	9.0	6.3	20.7	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	15.2	0.0	0.0	37.9	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.8	18.4	0.0	0.0	0.0	1.7	0.0	0.0
27	0.0	13.5	0.0	0.0	1.5	0.0	0.0	13.9	0.0	0.0	0.0	0.0
28	0.0	0.0	12.8	0.0	18.2	0.0	26.3	5.8	0.0	0.0	0.0	0.0
29	0.0		0.0	0.0	0.0	0.0	0.0	29.8	0.0	0.0	0.0	0.0
30	0.0		0.0	0.0	30.5	0.0	2.1	54.7	0.0	7.0	0.0	0.0
31	0.0		0.0		0.0		0.0	38.8		0.0		0.0

Data 4.1.1 Generated Rainfalls for Gap Filling

Country: Vietnam Station: Kontum
Hymos Code: 140704 Year: 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	0.0	0.0	0.0	25.4	0.0	4.3	0.0	0.0	0.0
2	0.0	0.0	0.0	0.8	4.5	0.0	0.0	0.0	2.7	0.0	6.1	0.0
3	0.0	0.0	0.0	0.0	7.0	0.0	4.2	0.0	1.1	0.0	3.3	0.0
4	0.0	0.0	3.3	0.0	0.0	0.0	10.9	0.0	27.5	0.0	44.7	0.0
5	0.0	0.0	0.0	31.6	0.0	53.9	1.1	0.0	0.0	1.3	5.1	0.0
6	0.0	0.0	0.0	5.2	2.7	3.6	0.0	0.0	14.3	3.7	13.9	0.0
7	0.0	0.0	0.0	1.0	0.0	1.1	0.0	1.6	4.6	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	84.7	9.7	1.1	3.2	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	15.6	7.0	26.7	2.8	6.2	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	4.2	22.5	28.7	0.0	0.0	4.3	0.0
11	0.0	0.0	0.0	29.4	5.8	6.7	17.1	0.0	0.0	0.0	14.0	0.0
12	0.0	0.0	0.0	0.0	0.0	1.6	1.4	0.0	0.0	31.4	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	9.1	25.9	0.0	0.0	3.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	11.3	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	2.4	31.8	3.0	1.4	10.1	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	1.5	6.9	0.0	4.2	1.9	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	15.4	0.0	4.1	0.0
18	0.0	0.0	0.0	0.0	4.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	11.9	0.0	48.6	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	31.9	0.0	3.1	25.4	10.9	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
23	0.0	0.0	0.6	0.0	0.0	0.0	0.0	11.9	0.0	5.6	0.0	0.0
24	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.5	4.0	20.8	7.3	0.0
25	0.0	0.0	0.0	0.0	1.7	1.2	9.6	12.9	7.4	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	9.2	7.2	16.0	0.0	0.0	0.0
27	0.0	0.0	7.1	0.0	5.0	88.7	4.3	24.5	8.5	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	21.2	16.0	2.1	2.7	0.0	0.0	2.9	0.0
29	0.0		0.0	0.0	5.2	75.9	11.6	3.3	0.0	0.0	0.0	0.0
30	0.0		22.6	0.0	11.7	12.8	0.7	1.0	0.0	5.4	0.0	0.0
31	0.0		0.0		0.0		1.7	22.7		0.0		0.0

Data 4.2.1 Generated Rainfalls for Gap Filling

Country: **Vietnam** **Station:** **Buon Me Thuat**
Hymos Code: **120801** **Year:** **1991**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.0	0.0	0.0	3.7	0.8	1.2	3.3	0.0	0.8	0.0	0.0	0.0
2	0.0	0.0	0.0	0.6	4.5	10.9	0.0	0.0	31.3	0.0	0.8	0.0
3	0.0	0.0	0.0	0.0	1.0	9.2	20.8	12.9	0.0	0.0	2.5	0.0
4	0.0	0.0	0.0	0.0	0.0	10.8	2.5	0.7	2.5	8.5	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	5.5	0.0	19.8	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	15.9	37.7	10.3	12.2	95.9	0.0	0.0
7	0.0	0.0	27.4	0.0	0.0	0.0	1.1	2.1	0.0	1.9	27.9	0.0
8	0.0	0.0	0.0	0.0	0.0	30.3	7.7	2.4	6.3	1.3	0.0	2.8
9	0.0	0.0	0.0	0.0	0.0	2.5	8.9	14.3	0.0	0.0	0.0	3.0
10	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	6.0	33.0	0.0	3.4
11	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.3	6.2	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	2.8	1.7	25.5	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	19.9	0.0	12.0	0.0	0.0	46.2	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	23.1	0.0	19.0	18.6	0.0	0.0
15	0.0	0.0	0.0	0.0	4.2	16.4	0.0	0.7	4.5	4.7	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	53.1	0.0	1.2	0.0	19.9	0.0	0.0
17	7.9	0.0	0.0	17.4	0.0	3.1	0.0	11.1	0.0	6.9	1.1	0.0
18	0.0	0.0	7.2	15.3	0.0	0.0	0.0	21.4	1.2	17.6	0.0	0.0
19	3.9	0.0	10.2	0.0	49.2	0.0	0.0	7.6	2.4	1.2	0.0	0.0
20	1.4	0.0	0.0	0.0	7.6	0.0	16.9	13.5	3.5	0.0	0.0	0.0
21	0.0	0.0	7.9	0.0	1.3	9.9	13.7	18.4	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	1.3	25.0	5.4	7.6	0.0	0.0	0.0
23	0.0	0.0	0.0	13.7	0.0	8.4	8.8	16.3	0.0	72.1	1.4	0.0
24	0.0	0.0	0.0	0.0	0.0	4.4	17.6	0.0	10.7	0.0	0.8	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7	2.7	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	6.1	1.7	0.0	0.0
27	0.0	4.9	0.0	0.0	0.0	0.0	0.0	10.6	5.3	0.0	0.0	0.0
28	0.0	0.0	7.2	0.0	0.0	0.0	22.7	3.2	2.8	0.0	0.0	0.0
29	0.0		0.0	0.0	2.2	2.1	0.0	22.0	20.1	0.0	0.0	0.0
30	0.0		0.0	0.0	0.0	4.4	1.6	34.7	0.7	8.7	0.0	0.0
31	0.0		0.0		1.6		0.0	28.4		0.0		0.0